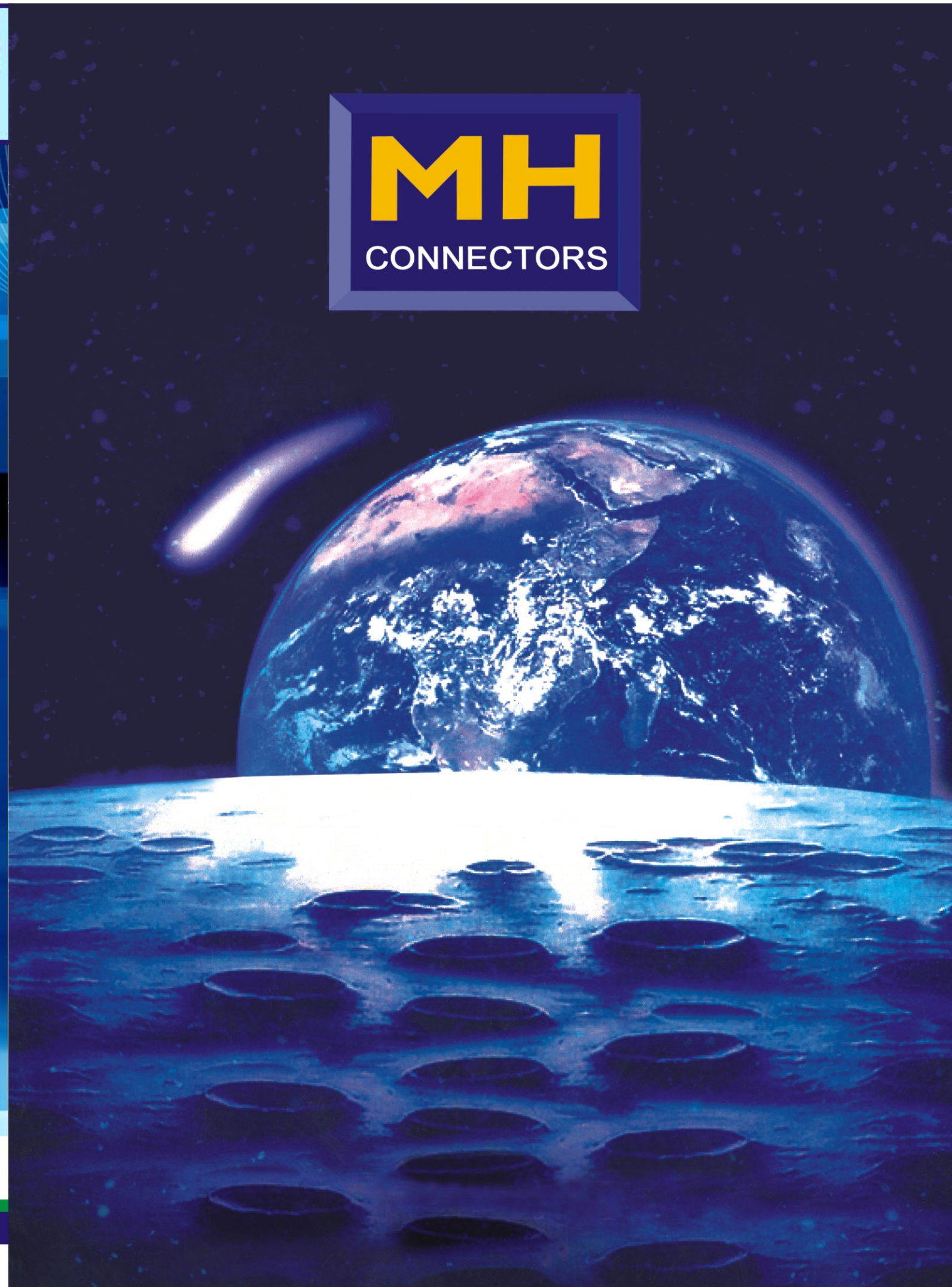




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Tel: (+39) 0536 811616 Fax: (+39) 0536 811500 E-mail bce@bce.it Web: www.bce.it

Company Information:

From its origins in 1985 MH Connectors has evolved into a globally recognised name in the electronic interconnect industry. The Company continues to build strongly upon its traditional reputation in the D-Subminiature market for connectors, hoods and accessories through the rapid growth in sales of leading-technology Bel Stewart and ALTW interconnect product ranges.

The start of 2011 saw the start of a new chapter in the MH Connectors story when it was acquired by the world-renowned connector specialist EDAC Group.

Since being acquired MH Connectors have enhanced their ability to offer 'The Complete Solution'. Through our extensive manufacturing resources in the Far-East including our flagship connector plant at Dougguan China we can now provide customers with full product development support from the initial concept stage through to a completed design including tooling, design validation and verification with samples, prototypes and pilot production.

MH Connectors is committed to providing our customers with the expertise, resources and flexibility required to ensure you experience even higher levels of service in the future including:

- Enhanced inventory levels at all distribution points
- Highly competitive price structures
- Fast response times
- Maximum flexibility to meet customer needs
- Further enhancements to product quality
- Access to engineering resources
- Extended product range offering

Quality Policy

MH Connectors Group is approved to ISO9001:2000 and is committed to a process of continual improvement in all operations.



MH Connectors Ltd



MH Connectors France



MH Connectors Asia Ltd

RoHS Compliant
Directive 2002/95/EC

All products manufactured and delivered by any of the subsidiaries within the MH Group meet or exceed any of current applicable requirements regarding presence of restricted substances included in EU Directive 2000/53/EC, 2003/11EC, WEEE(2002/96/EC) and RoHS (2002/95/EC).

"The Complete Solution"

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Plastic Hoods



Metalized Plastic Hoods



Full Metal Hoods



Metal+Plastic Hoods



Special Hoods & Covers



Sub-D Standard Connectors



Sub-D High Quality Connectors



Sub-D Filter Connectors



Sub-D Combo Connectors



DVI & HDMI Connectors & Housings



Modular Plugs & Jacks



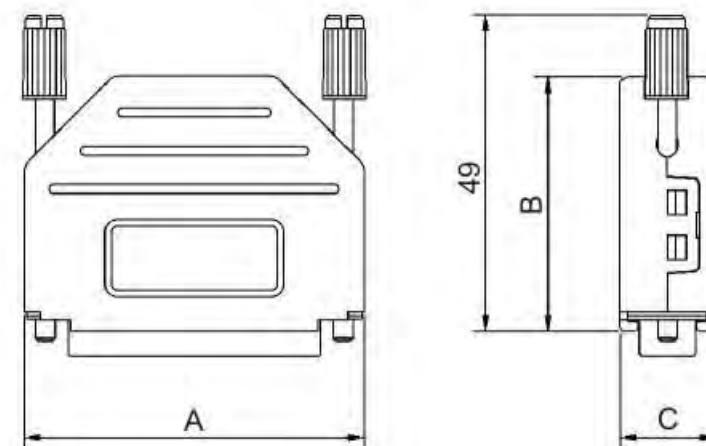
Accessories



Assembly Instructions - Sub-D Hoods

TECHNICAL SPECIFICATIONS

Material:	Polyamid, UL-recognised
Operating Temperature:	-55°C to +110°C
Cable Entry:	Top
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 11,5mm
Accessories:	See page 111-115
Assembly Instruction:	See page 117



Size MHDTPPK	Dim A	Dim B	Dim C
9-way	31,5	34,0	15,0
15-way	40,0	34,0	15,0
25-way	53,5	34,0	15,0
37-way	70,0	40,0	15,0
50-way	67,5	40,0	15,0

Features:

- Available in size 9-15-25-37-50-way
- Suitable for any common Sub-D connector
- Quick-snap locking system
- Standard Colour Black, other colour on request
- Company logo can be moulded on request

Ordering information: Standard-Black

Size:	P/N - Kitted:	Product Code:
9-way	6260-0101-01	MHDPPK-09-BK-K
15-way	6260-0101-02	MHDPPK-15-BK-K
25-way	6260-0101-03	MHDPPK-25-BK-K
37-way	6260-0101-04	MHDPPK-37-BK-K
50-way	6260-0101-05	MHDPPK-50-BK-K

Size:	P/N - BULK:	Product Code:
9-way	6261-0101-01	MHDPPK-09-BK
15-way	6261-0101-02	MHDPPK-15-BK
25-way	6261-0101-03	MHDPPK-25-BK
37-way	6261-0101-04	MHDPPK-37-BK
50-way	6261-0101-05	MHDPPK-50-BK

Ordering information:

Light Grey

Size:	P/N - Kitted:	Product Code:
9-way	6353-0101-01	MHDPPK09-LG-K
15-way	6353-0101-02	MHDPPK15-LG-K
25-way	6353-0101-03	MHDPPK25-LG-K
37-way	6353-0101-04	MHDPPK37-LG-K
50-way	6353-0101-05	MHDPPK50-LG-K

Size:	P/N - BULK:	Product Code:
9-way	6354-0101-01	MHDPPK09-LG
15-way	6354-0101-02	MHDPPK15-LG
25-way	6354-0101-03	MHDPPK25-LG
37-way	6354-0101-04	MHDPPK37-LG
50-way	6354-0101-05	MHDPPK50-LG

DEC Grey

Size:	P/N - Kitted:	Product Code:
9-way	6353-0102-01	MHDPPK09-DEC-K
15-way	6353-0102-02	MHDPPK15-DEC-K
25-way	6353-0102-03	MHDPPK25-DEC-K
37-way	6353-0102-04	MHDPPK37-DEC-K
50-way	6353-0102-05	MHDPPK50-DEC-K

Size:	P/N - BULK:	Product Code:
9-way	6354-0102-01	MHDPPK09-DEC
15-way	6354-0102-02	MHDPPK15-DEC
25-way	6354-0102-03	MHDPPK25-DEC
37-way	6354-0102-04	MHDPPK37-DEC
50-way	6354-0102-05	MHDPPK50-DEC

Red

Size:	P/N - Kitted:	Product Code:
9-way	6353-0103-01	MHDPPK09-R-K
15-way	6353-0103-02	MHDPPK15-R-K
25-way	6353-0103-03	MHDPPK25-R-K
37-way	6353-0103-04	MHDPPK37-R-K
50-way	6353-0103-05	MHDPPK50-R-K

Size:	P/N - BULK:	Product Code:
9-way	6354-0103-01	MHDPPK09-R
15-way	6354-0103-02	MHDPPK15-R
25-way	6354-0103-03	MHDPPK25-R
37-way	6354-0103-04	MHDPPK37-R
50-way	6354-0103-05	MHDPPK50-R

Blue

Size:	P/N - Kitted:	Product Code:
9-way	6353-0104-01	MHDPPK09-B-K
15-way	6353-0104-02	MHDPPK15-B-K
25-way	6353-0104-03	MHDPPK25-B-K
37-way	6353-0104-04	MHDPPK37-B-K
50-way	6353-0104-05	MHDPPK50-B-K

Size:	P/N - BULK:	Product Code:
9-way	6354-0104-01	MHDPPK09-B
15-way	6354-0104-02	MHDPPK15-B
25-way	6354-0104-03	MHDPPK25-B
37-way	6354-0104-04	MHDPPK37-B
50-way	6354-0104-05	MHDPPK50-B

Yellow

Size:	P/N - Kitted:	Product Code:
9-way	6353-0105-01	MHDPPK09-Y-K
15-way	6353-0105-02	MHDPPK15-Y-K
25-way	6353-0105-03	MHDPPK25-Y-K
37-way	6353-0105-04	MHDPPK37-Y-K
50-way	6353-0105-05	MHDPPK50-Y-K

Size:	P/N - BULK:	Product Code:
9-way	6354-0105-01	MHDPPK09-Y
15-way	6354-0105-02	MHDPPK15-Y
25-way	6354-0105-03	MHDPPK25-Y
37-way	6354-0105-04	MHDPPK37-Y
50-way	6354-0105-05	MHDPPK50-Y

Green

Size:	P/N - Kitted:	Product Code:
9-way	6353-0106-01	MHDPPK09-G-K
15-way	6353-0106-02	MHDPPK15-G-K
25-way	6353-0106-03	MHDPPK25-G-K
37-way	6353-0106-04	MHDPPK37-G-K
50-way	6353-0106-05	MHDPPK50-G-K

Size:	P/N - BULK:	Product Code:
9-way	6354-0106-01	MHDPPK09-G
15-way	6354-0106-02	MHDPPK15-G
25-way	6354-0106-03	MHDPPK25-G
37-way	6354-0106-04	MHDPPK37-G
50-way	6354-0106-05	MHDPPK50-G

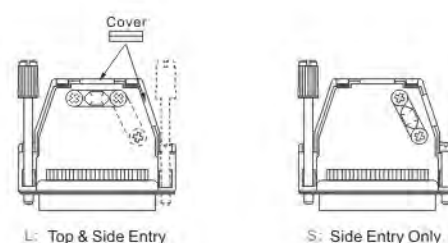
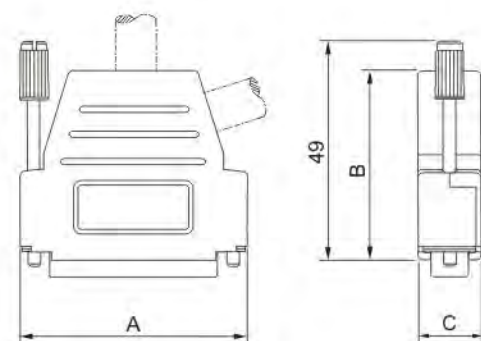
Light Grey

Size:	P/N - Kitted:	Product Code:
9-way	6353-0107-01	MHDPPK09-W-K
15-way	6353-0107-02	MHDPPK15-W-K
25-way	6353-0107-03	MHDPPK25-W-K
37-way	6353-0107-04	MHDPPK37-W-K
50-way	6353-0107-05	MHDPPK50-W-K

Size:	P/N - BULK:	Product Code:
9-way	6354-0107-01	MHDPPK09-W
15-way	6354-0107-02	MHDPPK15-W
25-way	6354-0107-03	MHDPPK25-W
37-way	6354-0107-04	MHDPPK37-W
50-way	6354-0107-05	MHDPPK50-W

TECHNICAL SPECIFICATIONS

Material: Polyamid UL-recognised
Operating Temperature: -55°C to +110°C
Cable Entry: Side and Top (L)
 Side Only (S)
 Top Only (T)
Thumbscrews: UNC 4-40 (standard)
 M2,5 or M3 on request
Cable Diameter: Up to 11,5 mm
Colour: Black
Accessories: See page 111-115
Assembly Instruction: See page 119



Size DSSK-T/P	Dim A	Dim B	Dim C
9-way	31,5	40,0	43,0*
15-way	40,0	40,0	-
25-way	53,5	43,0	-
37-way	71,3	40,0	-

* Top only

Ordering information:

Size:	P/N - Kitted:	Product Code:	L
9-way	6260-0107-01	MHDSSK-P-09-L-K	
15-way	6260-0107-02	MHDSSK-P-15-L-K	
25-way	6260-0107-03	MHDSSK-P-25-L-K	

Size:	P/N - Kitted:	Product Code:	S
37-way	6260-0107-14	MHDSSK-P-37-S-K	

Features:

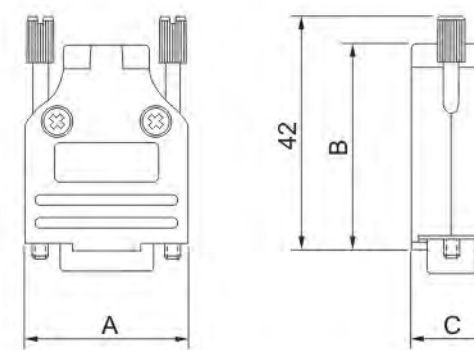
- Available in sizes 9-15-25-37
- Suitable for any common Sub-D connector
- Quick-snap locking system
- Re-openable
- Company logo available upon request
- Also available in Metalized Version, See page 15

Size:	P/N - BULK:	Product Code:	L
9-way	6261-0107-01	MHDSSK-P-09-L	
15-way	6261-0107-02	MHDSSK-P-15-L	
25-way	6261-0107-03	MHDSSK-P-25-L	

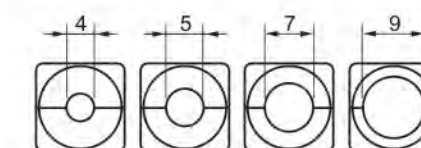
Size:	P/N - BULK:	Product Code:	S
37-way	6261-0107-14	MHDSSK-P-37-S	

TECHNICAL SPECIFICATIONS

Material: UL-recognised Plastic Material
Operating Temperature: -55°C to +110°C
Cable Entry: Top
Thumbscrews: UNC 4-40 (Standard)
 M2,5 or M3 on request
Cable O.D: Up to 13mm
Colour: Black
Accessories: See page 111-115
Assembly Instruction: See page 118



Grommet Sizes MHDTPPK 9-37:



Size MHDTPPK	Dim A	Dim B	Dim C
9-way	31,2	39,9	15,0
15-way	39,5	41,5	15,0
25-way	53,4	48,6	15,0
37-way	69,7	53,6	15,0

Features:

- Available in sizes 9-15-25-37
- Suitable for any common Sub-D connector
- Strain relief inserts ensure a secure termination
- Re-openable
- Also available in Metalized Version, See page 16

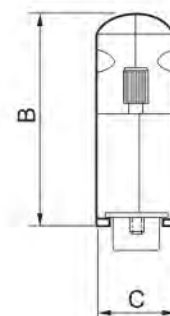
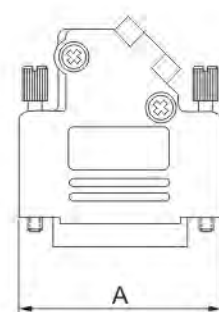
Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0108-01	MHDTPPK-9-BK-K
15-way	6560-0108-02	MHDTPPK-15-BK-K
25-way	6560-0108-03	MHDTPPK-25-BK-K
37-way	6560-0108-04	MHDTPPK-37-BK-K

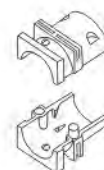
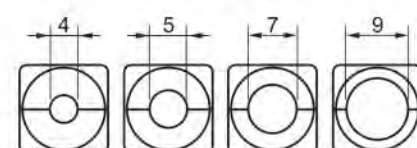
Size:	P/N - BULK:	Product Code:
9-way	6561-0108-01	MHDTPPK-9-BK
15-way	6561-0108-02	MHDTPPK-15-BK
25-way	6561-0108-03	MHDTPPK-25-BK
37-way	6561-0108-04	MHDTPPK-37-BK

TECHNICAL SPECIFICATIONS

Material:	UL-recognised Plastic Material
Operating Temperature:	-55°C to +110°C
Cable Entry:	Top
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Colour:	Black
Accessories:	See page 111-115
Assembly Instruction:	See page 118



Grommet Sizes MHD45PPK 9-37:



Size MHD45PPK	Dim A	Dim B	Dim C
9-way	31,0	36,3	15,0
15-way	39,5	40,3	15,0
25-way	53,2	40,3	15,0
37-way	69,7	40,3	15,0

Features:

- Available in sizes 9-15-25-37
- Suitable for any common Sub-D connector
- Strain relief inserts ensure a secure termination
- Re-openable
- Also available in Metalized Version, See page 17

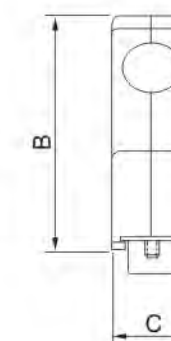
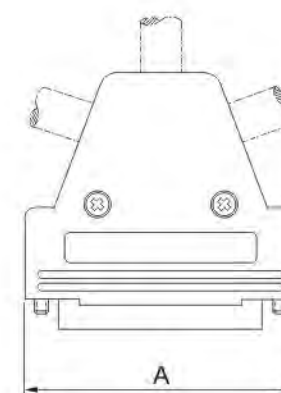
Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0107-11	MHD45PPK-9-BK-K
15-way	6560-0107-12	MHD45PPK-15-BK-K
25-way	6560-0107-13	MHD45PPK-25-BK-K
37-way	6560-0107-14	MHD45PPK-37-BK-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0107-11	MHD45PPK-9-BK
15-way	6561-0107-12	MHD45PPK-15-BK
25-way	6561-0107-13	MHD45PPK-25-BK
37-way	6561-0107-14	MHD45PPK-37-BK

TECHNICAL SPECIFICATIONS

Material:	UL-recognised Plastic Material
Operating Temperature:	-55°C to +110°C
Cable Entry:	Side / Top / Side
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 11,5mm
Colour:	Black



Size MHTRI-P	Dim A	Dim B	Dim C
9-way	31,0	45,2	15,0
15-way	40,3	45,2	15,0
25-way	53,5	45,2	15,0
37-way	70,0	45,2	15,0

Features:

- Available in sizes 9-15-25-37
- All sizes feature 3-Way Entry solution
- Re-openable
- Hood is supplied with 2 Blanking Plates and 2 Strain Relief Clamps. Extra Blanking Plates and/or Strain Reliefs are available on request.
- Also available in Metalized Version, See page 18

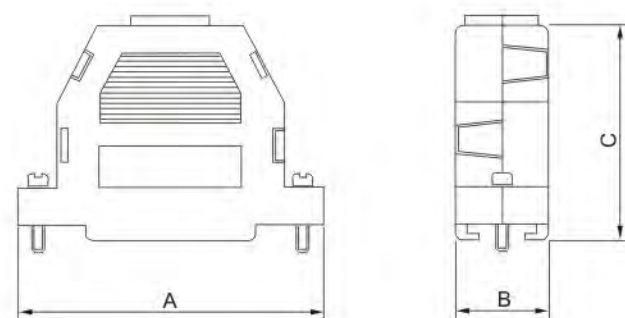
Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6550-0101-01	MHTRI-P-09-K
15-way	6550-0101-02	MHTRI-P-15-K
25-way	6550-0101-03	MHTRI-P-25-K
37-way	6550-0101-04	MHTRI-P-37-K

Size:	P/N - BULK:	Product Code:
9-way	On Request	
15-way	On Request	
25-way	On Request	
37-way	On Request	

TECHNICAL SPECIFICATIONS SN-Series

Material:	UL-recognised Plastic Material
Operating Temperature:	-55°C to +110°C
Cable Entry:	Top
Thumbscrews:	UNC 4-40
Cable O.D:	Up to 11,5mm
Colour:	Black or Light Grey



Size	A	B	C
9-way	30,5	15,5	39,2
15-way	40,1	15,5	39,6
25-way	53,6	16,0	43,0

Ordering information:

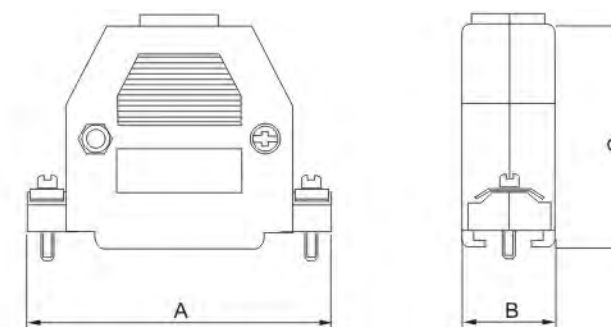
Size:	P/N - Kitted:	Product Code BLACK:
9-way	2360-0101-01	MHCCOV 9-SN-BK
15-way	2360-0101-02	MHCCOV15-SN-BK
25-way	2360-0101-03	MHCCOV25-SN-BK

Size:	P/N - Kitted:	Product Code LIGHT GREY:
9-way	2360-0101-11	MHCCOV 9-SN-LG
15-way	2360-0101-12	MHCCOV15-SN-LG
25-way	2360-0101-13	MHCCOV25-SN-LG

TECHNICAL SPECIFICATIONS SC-Series

Material:	UL Recognised Plastic Material
Operating Temperature:	-55°C to +110°C
Cable Entry:	Top
Thumbscrews:	UNC 4-40
Cable O.D:	Up to 11,5mm
Colour:	Black or Light Grey

Also available in Shielded version, See page 20



Size	A	B	C
9-way	31,0	16,0	40,2
15-way	39,6	17,4	38,0
25-way	55,0	16,5	44,5
37-way	69,0	24,0	52,5
50-way	69,5	19,5	44,5

Ordering information - SHORT Jackscrews:

Size:	P/N - Kitted:	Product Code BLACK:
9-way	2360-0102-01	MHCCOV 9-SC-BK
15-way	2360-0102-02	MHCCOV15-SC-BK
25-way	2360-0102-03	MHCCOV25-SC-BK
37-way	2360-0102-04	MHCCOV37-SC-BK
50-way	2360-0102-05	MHCCOV50-SC-BK

Size:	P/N - Kitted:	Product Code LIGHT GREY:
9-way	2360-0102-11	MHCCOV 9-SC-LG
15-way	2360-0102-12	MHCCOV15-SC-LG
25-way	2360-0102-13	MHCCOV25-SC-LG
37-way	2360-0102-14	MHCCOV37-SC-LG
50-way	2360-0102-15	MHCCOV50-SC-LG

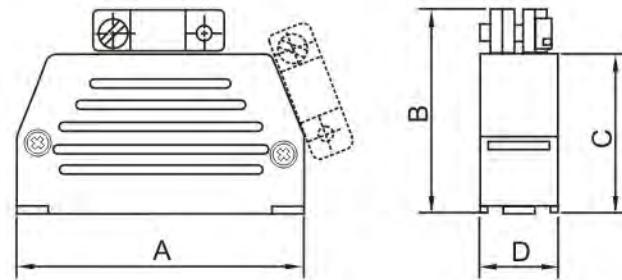
Ordering information - LONG Jackscrews:

Size:	P/N - Kitted:	Product Code BLACK:
9-way	2360-0102-21	MHCCOV 9-SCL-BK
15-way	2360-0102-22	MHCCOV15-SCL-BK
25-way	2360-0102-23	MHCCOV25-SCL-BK
37-way	2360-0102-24	MHCCOV37-SCL-BK
50-way	2360-0102-25	MHCCOV50-SCL-BK

Size:	P/N - Kitted:	Product Code LIGHT GREY:
9-way	2360-0102-31	MHCCOV 9-SCL-LG
15-way	2360-0102-32	MHCCOV15-SCL-LG
25-way	2360-0102-33	MHCCOV25-SCL-LG
37-way	2360-0102-34	MHCCOV37-SCL-LG
50-way	2360-0102-35	MHCCOV50-SCL-LG

TECHNICAL SPECIFICATIONS

Material: UL Recognised Plastic Material
Operating Temperature: -55°C to +110°C
Cable Entry: Top + Side Entry
Cable O.D: Up to 9mm
Colour: Black



Features:

- Suitable for sizes 9, 15, 25, 37 and 50-way
- Easy to re-open
- Slide-Lock system integrated inside hood with special spring and slide lever
- Hoods are supplied complete with Slide-Lock system
- Slide-Lock and Spring Lever also available as accessories - Please see page 112
- Hood without Slide-Lock delivered on request
- Metalized version available on special request

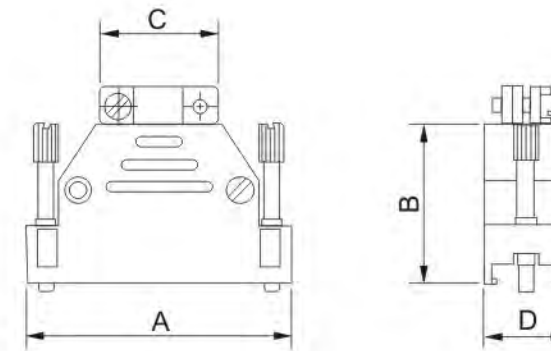
Size	A	B	C	D
9	32,2	28,6	22,1	15,0
15	39,8	34,1	26,1	15,0
25	54,2	38,3	30,3	15,0
37	70,7	46,2	38,2	15,0
50	68,0	46,2	38,2	18,0

Ordering information: Hood with Slide-Locks

Size:	P/N - Kitted:	Product Code:
9-way	2801-0101-01	MHED-DS09S-K
15-way	2801-0101-02	MHED-DS15S-K
25-way	2801-0101-03	MHED-DS25S-K
37-way	2801-0101-04	MHED-DS37S-K
50-way	2801-0101-05	MHED-DS50S-K

TECHNICAL SPECIFICATIONS

Material: UL Recognised Plastic Material
Operating Temperature: -55°C to +110°C
Cable Entry: Top Entry
Cable O.D: Up to 9mm
Colour: Black
Jackscrew: UNC 4-40
 Male or Female Version



Features:

- Suitable for sizes 9, 15, 25 and 37
- Easy to re-open
- Male or female Jackscrew

Size	A	B	C	D	E
9	31,4	24,0	14,5	38,0	18,2
15	42,0	30,0	14,5	38,0	18,2
25	55,5	36,0	25,1	38,0	18,2
37	69,8	38,0	39,2	38,0	18,2

Ordering information: Male Jackscrew

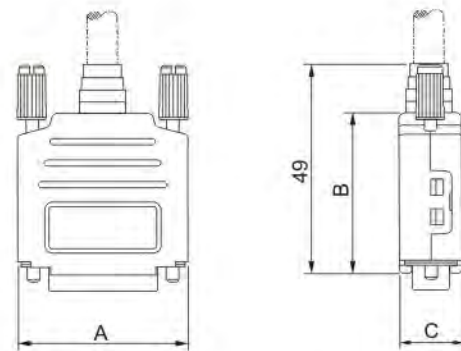
Size:	P/N - Kitted:	Product Code:
9-way, Male JS	2801-0102-01	MHED-D09T-K
15-way, Male JS	2801-0102-02	MHED-D15T-K
25-way, Male JS	2801-0102-03	MHED-D25T-K
37-way, Male JS	2801-0102-04	MHED-D37T-K

Ordering information: Female Jackscrew

Size:	P/N - Kitted:	Product Code:
9-way, Female JS	2801-0102-11	MHED-D09TF-K
15-way, Female JS	2801-0102-12	MHED-D15TF-K
25-way, Female JS	2801-0102-13	MHED-D25TF-K
37-way, Female JS	2801-0102-14	MHED-D37TF-K

TECHNICAL SPECIFICATIONS

Material:	UL Recognised Plastic Material
Plating:	Nickel over Copper
Operating Temperature:	-55°C to +110°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 11,5mm
Accessories:	See page 111-115
Assembly Instruction:	See page 119



Size	Dim A	Dim B	Dim C
9-way	32,5	38,0	15,0
15-way	41,0	38,0	15,0
25-way	54,5	40,0	15,0
37-way	71,0	40,0	15,0

Features:

- Available in sizes 9, 15, 25 and 37-way
- Suitable for any common Sub-D Connector
- Quick-Snap locking system
- Re-openable
- Company logo available upon request
- Recyclable

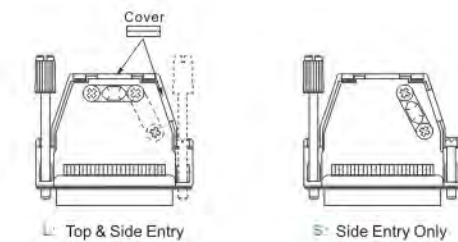
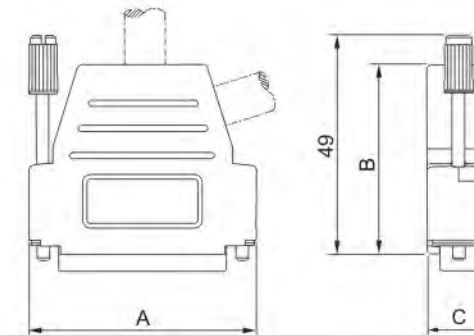
Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6260-0105-01	MHDPPK-M-09-K
15-way	6260-0105-02	MHDPPK-M-15-K
25-way	6260-0105-03	MHDPPK-M-25-K
37-way	6260-0105-04	MHDPPK-M-37-K

Size:	P/N - BULK:	Product Code:
9-way	6261-0105-01	MHDPPK-M-09
15-way	6261-0105-02	MHDPPK-M-15
25-way	6261-0105-03	MHDPPK-M-25
37-way	6261-0105-04	MHDPPK-M-37

TECHNICAL SPECIFICATIONS

Material:	UL Recognised Plastic Material
Plating:	Nickel over Copper
Operating Temperature:	-55°C to +110°C
Cable Entry:	Side and Top (L) Side Only (S) Top Only (T)
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 11,5mm
Accessories:	See page 111-115
Assembly Instruction:	See page 119



Size DSSK-T/P	Dim A	Dim B	Dim B	DimC
9-way	31,5	40,0	43,0*	15,0
15-way	40,0	40,0	-	15,0
25-way	53,5	43,0	-	15,0
37-way	71,3	40,0	-	15,0

* Top only

Features:

- Available in sizes 9-15-25-37
- Suitable for any common Sub-D connector
- Quick-snap locking system
- Re-openable
- Company logo available upon request
- Also available in Unshielded Version, See page 6
- Recyclable

Ordering information:

Size:	P/N - Kitted:	Product Code:	L
9-way	6260-0106-01	MHDSSK-M-09-L-K	
15-way	6260-0106-02	MHDSSK-M-15-L-K	
25-way	6260-0106-03	MHDSSK-M-25-L-K	

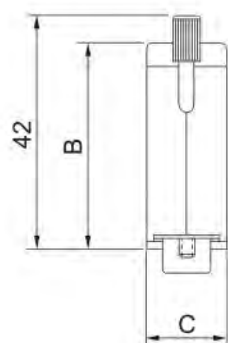
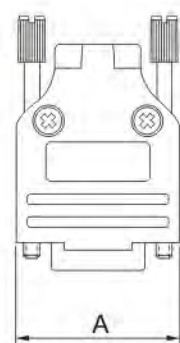
Size:	P/N - Kitted:	Product Code:	S
37-way	6260-0106-14	MHDSSK-M-37-S-K	

Size:	P/N - BULK:	Product Code:	L
9-way	6261-0106-01	MHDSSK-M-09-L	
15-way	6261-0106-02	MHDSSK-M-15-L	
25-way	6261-0106-03	MHDSSK-M-25-L	

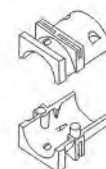
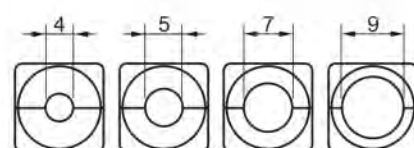
Size:	P/N - BULK:	Product Code:	S
37-way	6261-0106-14	MHDSSK-M-37-S	

TECHNICAL SPECIFICATIONS

Material:	UL Recognised Plastic Material
Plating:	Nickel over Copper
Operating Temperature:	-55°C to +110°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 120



Grommet Sizes MHDTPK 9-37:



Size MHDTPK	Dim A	Dim B	Dim C
9-way	31,2	39,9	15,0
15-way	39,5	41,5	15,0
25-way	53,4	48,6	15,0
37-way	69,7	53,6	15,0

Features:

- Available in sizes 9-15-25-37
- Suitable for any common Sub-D Connector
- Strain relief inserts ensure a secure termination
- Re-openable
- Company logo available upon request
- Also available in Unshielded Version, See page 7
- Recyclable

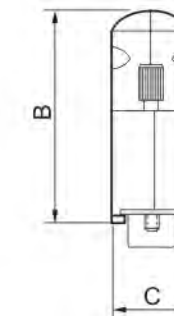
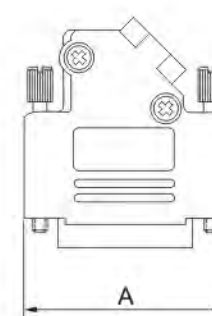
Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0145-01	MHDTPK-9-K
15-way	6560-0145-02	MHDTPK-15-K
25-way	6560-0145-03	MHDTPK-25-K
37-way	6560-0145-04	MHDTPK-37-K

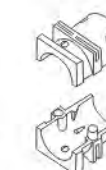
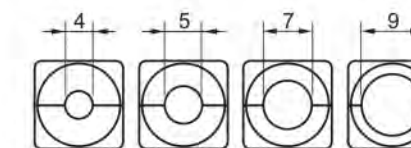
Size:	P/N - BULK:	Product Code:
9-way	6561-0145-01	MHDTPK-9
15-way	6561-0145-02	MHDTPK-15
25-way	6561-0145-03	MHDTPK-25
37-way	6561-0145-04	MHDTPK-37

TECHNICAL SPECIFICATIONS

Material:	UL Recognised Plastic Material
Plating:	Nickel over Copper
Operating Temperature:	-55°C to +110°C
Cable Entry:	Side Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 120



Grommet Sizes MHD45PK 9-37:



Size MHD45PK	Dim A	Dim B	Dim C
9-way	31,0	36,3	15,0
15-way	39,5	40,3	15,0
25-way	53,2	40,3	15,0
37-way	69,7	40,3	15,0

Features:

- Available in sizes 9-15-25-37
- Suitable for any common Sub-D Connector
- Strain relief inserts ensure a secure termination
- Re-openable
- Company logo available upon request
- Also available in Unshielded Version, See page 8
- Recyclable

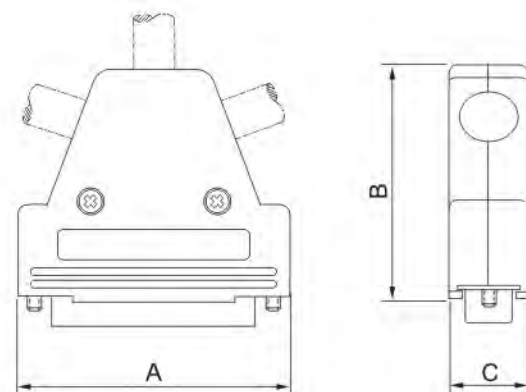
Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0146-11	MHD45PK-9-K
15-way	6560-0146-12	MHD45PK-15-K
25-way	6560-0146-13	MHD45PK-25-K
37-way	6560-0146-14	MHD45PK-37-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0146-11	MHD45PK-9
15-way	6561-0146-12	MHD45PK-15
25-way	6561-0146-13	MHD45PK-25
37-way	6561-0146-14	MHD45PK-37

TECHNICAL SPECIFICATIONS

Material:	UL Recognised Plastic Material
Plating:	Nickel over Copper
Operating Temperature:	-55°C to +110°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm



Size MHTRI-M	Dim A	Dim B	Dim C
9-way	31,0	45,2	15,0
15-way	40,3	45,2	15,0
25-way	53,5	45,2	15,0
37-way	70,0	45,2	15,0

Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6550-0100-01	MHTRI-M-09-K
15-way	6550-0100-02	MHTRI-M-15-K
25-way	6550-0100-03	MHTRI-M-25-K
37-way	6550-0100-04	MHTRI-M-37-K

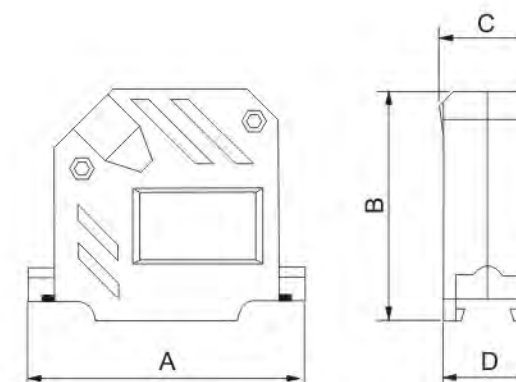
Features:

- Available in sizes 9-15-25-37
- All sizes feature 3-Way Entry solution
- Re-openable
- Hood is supplied with 2 Blanking Plates and 2 Strain Relief clamps. Extra Blanking Plates and/or Strain Reliefs are available on request.
- Also available in Unshielded Version, See page 9

TECHNICAL SPECIFICATIONS

Material:	UL Recognised Plastic Material
Plating:	Nickel over Copper
Operating Temperature:	-40°C to +120°C
Cable Entry:	Side Entry
Thumbscrews:	UNC 4-40
Cable O.D:	Up to 16,5mm*

* For specific values - see dimensions below.



Size	Dim A	Dim B	Dim C	Dim D
9-way	31,3	40,0	16,3	16,3
15-way	39,1	43,5	16,3	16,3
25-way	53,1	47,7	18,0	16,3
37-way	69,3	53,9	23,0	16,3

Ordering information:

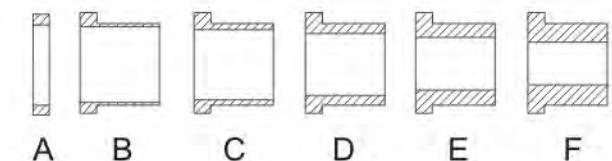
Size:	P/N - Kitted:	Product Code:	45° SIDE
9-way	1060-0106-11	MHC88E200000	
15-way	1060-0106-12	MHC88E210000	
25-way	1060-0106-13	MHC88E220000	
37-way	1060-0106-14	MHC88E230000	

Features:

- Available in sizes 9-15-25-37
- Re-openable
- Strain Relief / Compression Insert manufactured in Thermoplastic compound.
- Also available in Top Entry, See page 20



Compression Inserts - Inner Diameters:

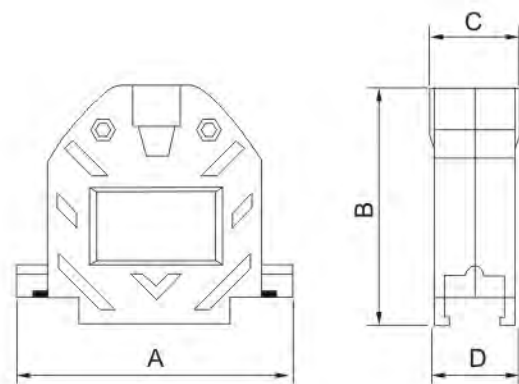


Size	A	B	C	D	E	F
9-way	8,10	8,00	7,25	6,50	5,30	-
15-way	8,10	8,00	7,25	6,50	5,30	-
25-way	11,40	10,40	9,40	7,60	5,80	-
37-way	16,50	15,75	14,50	12,70	10,80	8,90

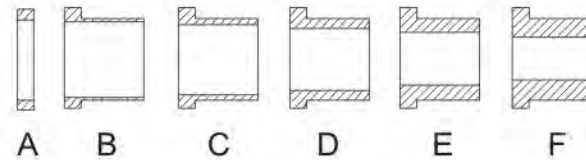
TECHNICAL SPECIFICATIONS

Material:	UL Recognised Plastic Material
Plating:	Nickel over Copper
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40
Cable O.D:	Up to 16,5mm*

* For specific values - see dimensions below.



Compression Inserts - Inner Diameters:



Size	Dim A	Dim B	Dim C	Dim D
9-way	31,3	40,0	16,3	16,3
15-way	39,1	43,5	16,3	16,3
25-way	53,1	47,7	18,0	16,3
37-way	69,3	53,9	23,0	16,3
50-way	67,2	50,8	23,9	19,6

Size	A	B	C	D	E	F
9-way	8,10	8,00	7,25	6,50	5,30	-
15-way	8,10	8,00	7,25	6,50	5,30	-
25-way	11,40	10,40	9,40	7,60	5,80	-
37-way	16,50	15,75	14,50	12,70	10,80	8,90
50-way	16,50	15,75	14,50	12,70	10,80	8,90

Ordering information:

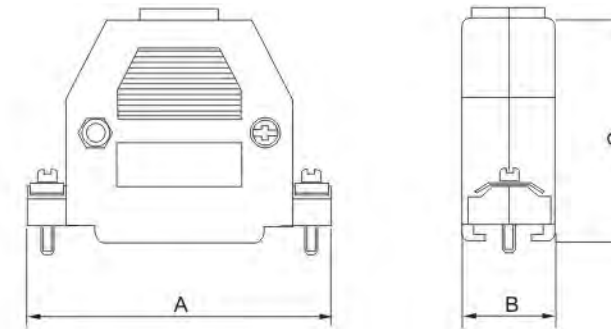
Size:	P/N - Kitted:	Product Code:	TOP
9-way	1060-0105-01	MHC88E300000	
15-way	1060-0105-02	MHC88E310000	
25-way	1060-0105-03	MHC88E320000	
37-way	1060-0105-04	MHC88E330000	
50-way	1060-0105-05	MHC88E340000	

Features:

- Available in sizes 9-15-25-37-50
- Re-openable
- Strain Relief / Compression Insert manufactured in Thermoplastic compound.
- Also available in Side Entry, See page 19

TECHNICAL SPECIFICATIONS

Material:	UL recognised Plastic Material
Plating:	Nickel over Copper
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Short)
Cable O.D:	Up to 13mm



Size	Dim A	Dim B	Dim C
9-way	31,0	16,0	40,2
15-way	39,6	17,4	38,0
25-way	55,0	16,5	44,5
37-way	69,0	24,0	52,5
50-way	69,5	19,5	44,5

Features:

- Available in sizes 9-15-25-37-50
- Re-openable
- Also available in Unshielded version, See page 11

Ordering information:

Short Jackscrews

Size:	P/N - Kitted:	Product Code:
9-way	2360-0105-01	MHCCOV 9-SC-MP
15-way	2360-0105-02	MHCCOV15-SC-MP
25-way	2360-0105-03	MHCCOV25-SC-MP
37-way	2360-0105-04	MHCCOV37-SC-MP
50-way	2360-0105-05	MHCCOV50-SC-MP

Long Jackscrews

Size:	P/N - Kitted:	Product Code:
9-way	2360-0105-11	MHCCOV 9-SCL-MP
15-way	2360-0105-12	MHCCOV15-SCL-MP
25-way	2360-0105-13	MHCCOV25-SCL-MP
37-way	2360-0105-14	MHCCOV37-SCL-MP
50-way	2360-0105-15	MHCCOV50-SCL-MP

TECHNICAL SPECIFICATIONS

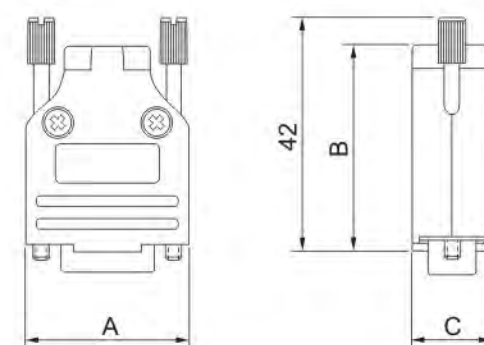
Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 124-126

Features:

- Available in sizes 9-15-25-37
- 360° EMI Shielding
- 3 versions of same concept
- Quick assembly
- Supports all types of cables
- Suitable for any common D-Sub connector

Types available:

- MHC: Crimp Version
- MHDM: Metalized Grommet Kit + Clamp
- MHEE: Metalized Cone + Clamp



Size:	Dim A	Dim B	Dim C
9-way	32,2	41,3	15,4
15-way	40,6	43,3	15,4
25-way	54,5	49,5	15,4
37-way	70,7	54,3	15,4

Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0135-01	MHC-9-K
15-way	6560-0135-02	MHC-15-K
25-way	6560-0135-03	MHC-25-K
37-way	6560-0135-04	MHC-37-K

Size:	P/N - Kitted:	Product Code:
9-way	6560-0136-01	MHDM-9-K
15-way	6560-0136-02	MHDM-15-K
25-way	6560-0136-03	MHDM-25-K
37-way	6560-0136-04	MHDM-37-K

Size:	P/N - Kitted:	Product Code:
9-way	6560-0137-01	MHEE-9-K
15-way	6560-0137-02	MHEE-15-K
25-way	6560-0137-03	MHEE-25-K
37-way	6560-0137-04	MHEE-37-K

MHC-Series	Size:	P/N:	Product Code:
	5,3mm	6522-0119-11	MHC-5,3
	6,0mm	6522-0119-12	MHC-6,0
	7,0mm	6522-0119-13	MHC-7,0
	7,5mm	6522-0119-14	MHC-7,5
	8,6mm	6522-0119-15	MHC-8,6

MHDM-Series	
	Included when ordering

MHEE-Series	
	Included when ordering

TECHNICAL SPECIFICATIONS

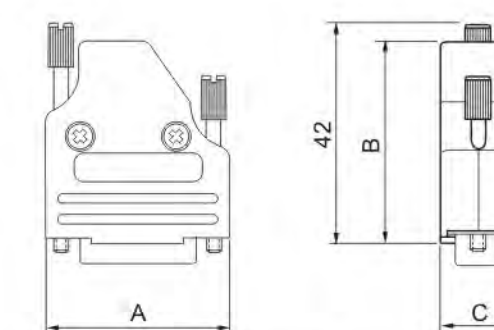
Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Side Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 124-126

Features:

- Available in sizes 9-15-25-37
- 360° EMI Shielding
- 3 versions of same concept
- Quick assembly
- Supports all types of cables
- Suitable for any common D-Sub connector

Types available:

- MHC35: Crimp Version
- MHDM35: Metalized Grommet Kit + Clamp
- MHEE35: Metalized Cone + Clamp



Size:	Dim A	Dim B	Dim C
9-way	43,0	32,0	15,5
15-way	43,0	40,4	15,5
25-way	48,0	54,0	15,5
37-way	53,0	70,5	15,5

Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0138-11	MHC35-9-K
15-way	6560-0138-12	MHC35-15-K
25-way	6560-0138-13	MHC35-25-K
37-way	6560-0138-14	MHC35-37-K

Size:	P/N - Kitted:	Product Code:
9-way	6560-0139-11	MHDM35-9-K
15-way	6560-0139-12	MHDM35-15-K
25-way	6560-0139-13	MHDM35-25-K
37-way	6560-0139-14	MHDM35-37-K

Size:	P/N - Kitted:	Product Code:
9-way	6560-0140-11	MHEE35-9-K
15-way	6560-0140-12	MHEE35-15-K
25-way	6560-0140-13	MHEE35-25-K
37-way	6560-0140-14	MHEE35-37-K

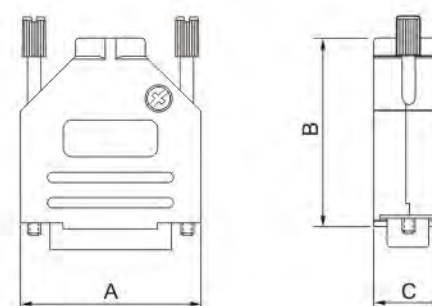
MHC35-Series	Size:	P/N:	Product Code:
	5,3mm	6522-0119-11	MHC-5,3
	6,0mm	6522-0119-12	MHC-6,0
	7,0mm	6522-0119-13	MHC-7,0
	7,5mm	6522-0119-14	MHC-7,5
	8,6mm	6522-0119-15	MHC-8,6

MHDM35-Series	
	Included when ordering

MHEE35-Series	
	Included when ordering

TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm (Size 9-37) Up to 17mm (Size 50)
Accessories:	See page 111-115
Assembly Instruction:	See page 122



Features:

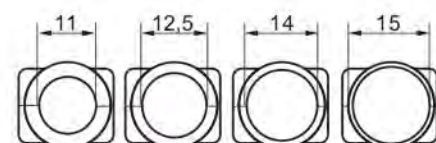
- Available in sizes 9-15-25-37-50*
- Excellent EMI Shielding
- Re-openable
- Strain relief inserts ensure a secure termination
- Full Metal Jackscrew as standard.
- Metalized (RAHI) grommets on request - See page 111

NEW: Size 50 now available

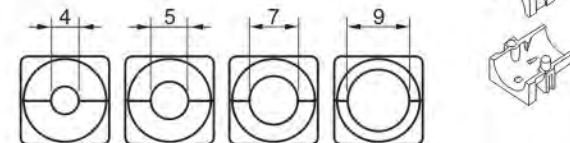


Size MHDTZK	Dim A	Dim B	Dim C
9-way	31,0	39,5	15,0
15-way	39,5	41,5	15,0
25-way	53,5	48,5	15,0
37-way	71,0	53,0	15,0
50-way	67,5	54,0	18,7

Grommet Sizes / DTZK50:



Grommet Sizes / DTZK09-37:



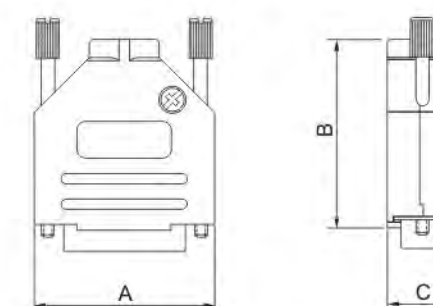
Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0105-01	MHDTZK-N-09-RA-K
15-way	6560-0105-02	MHDTZK-N-15-RA-K
25-way	6560-0105-03	MHDTZK-N-25-RA-K
37-way	6560-0105-04	MHDTZK-N-37-RA-K
50-way	6560-0105-05	MHDTZK-N-50-RA-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0105-01	MHDTZK-N-09-RA
15-way	6561-0105-02	MHDTZK-N-15-RA
25-way	6561-0105-03	MHDTZK-N-25-RA
37-way	6561-0105-04	MHDTZK-N-37-RA
50-way	6561-0105-05	MHDTZK-N-50-RA

TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm (Size 9-37) Up to 17mm (Size 50)
Accessories:	See page 111-115
Assembly Instruction:	See page 122



Features:

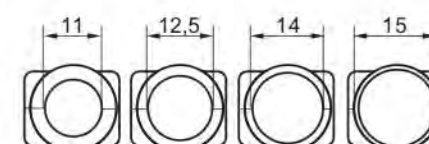
- Available in sizes 9-15-25-37-50*
- Excellent EMI Shielding
- Re-openable
- Strain relief inserts ensure a secure termination
- Jackscrew with Black Plastic Knob as standard. Grey Plastic Knob available on Request.
- Metalized (RAHI) grommets on request - See page 111

NEW: Size 50 now available

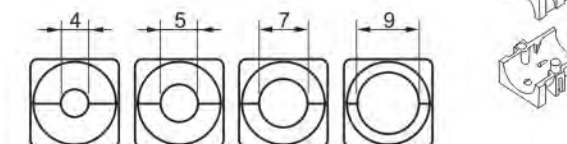


Size MHDTZK	Dim A	Dim B	Dim C
9-way	31,0	39,5	15,0
15-way	39,5	41,5	15,0
25-way	53,5	48,5	15,0
37-way	71,0	53,0	15,0
50-way	67,5	54,0	18,7

Grommet Sizes / DTZK50:



Grommet Sizes / DTZK09-37:



Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-3105-01	MHDTZK-N-09-RA-PCBK-K
15-way	6560-3105-02	MHDTZK-N-15-RA-PCBK-K
25-way	6560-3105-03	MHDTZK-N-25-RA-PCBK-K
37-way	6560-3105-04	MHDTZK-N-37-RA-PCBK-K
50-way	6560-3105-05	MHDTZK-N-50-RA-PCBK-K

Size:	P/N - BULK:	Product Code:
9-way	6561-3105-01	MHDTZK-N-09-RA-PCBK
15-way	6561-3105-02	MHDTZK-N-15-RA-PCBK
25-way	6561-3105-03	MHDTZK-N-25-RA-PCBK
37-way	6561-3105-04	MHDTZK-N-37-RA-PCBK
50-way	6561-3105-05	MHDTZK-N-50-RA-PCBK

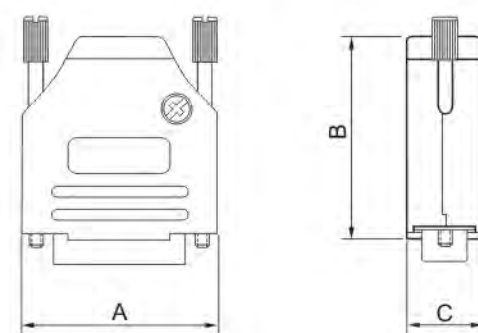
TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 122

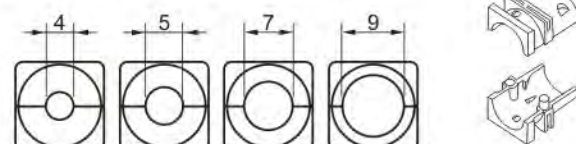


Features:

- Rapid Assembly (RA)
- Available in sizes 9-15-25-37
- Excellent EMI Shielding
- Re-openable
- Strain relief inserts ensure a secure termination
- Full Metal Jackscrew as standard
- Also available in Standard Assembly - See next page



Grommet Sizes / DTZK09-37:



Size MHDTZK	Dim A	Dim B	Dim C
9-way	31,2	39,9	15,0
15-way	39,5	41,5	15,0
25-way	53,4	48,6	15,0
37-way	69,7	53,6	15,0

Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0605-01	MHDTZK-9-RA-K
15-way	6560-0605-02	MHDTZK-15-RA-K
25-way	6560-0605-03	MHDTZK-25-RA-K
37-way	6560-0605-04	MHDTZK-37-RA-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0605-01	MHDTZK-9-RA
15-way	6561-0605-02	MHDTZK-15-RA
25-way	6561-0605-03	MHDTZK-25-RA
37-way	6561-0605-04	MHDTZK-37-RA

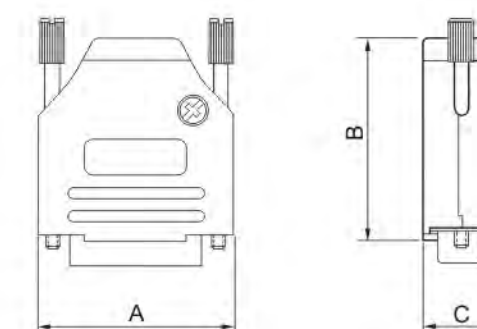
TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 121

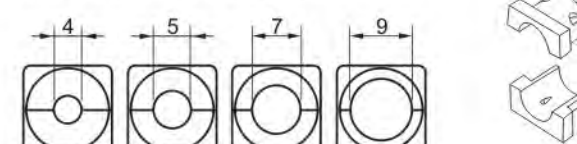


Features:

- Standard Assembly with C-Clip
- Available in sizes 9-15-25-37
- Excellent EMI Shielding
- Re-openable
- Strain relief inserts ensure a secure termination
- Full Metal Jackscrew as standard
- Also available in Rapid Assembly - See previous page



Grommet Sizes / DTZK09-37:



Size MHDTZK	Dim A	Dim B	Dim C
9-way	31,2	39,9	15,0
15-way	39,5	41,5	15,0
25-way	53,4	48,6	15,0
37-way	69,7	53,6	15,0

Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0805-01	MHDTZK-9-K
15-way	6560-0805-02	MHDTZK-15-K
25-way	6560-0805-03	MHDTZK-25-K
37-way	6560-0805-04	MHDTZK-37-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0805-01	MHDTZK-9
15-way	6561-0805-02	MHDTZK-15
25-way	6561-0805-03	MHDTZK-25
37-way	6561-0805-04	MHDTZK-37

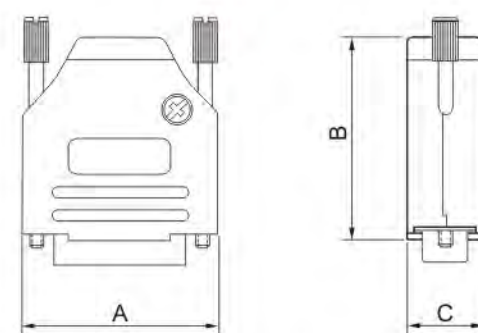
TECHNICAL SPECIFICATIONS

Material:	Zinc, Black
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 122

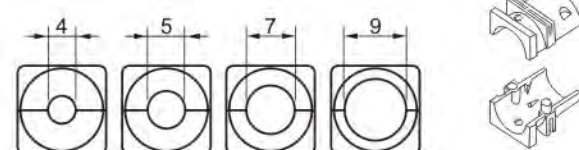


Features:

- Rapid Assembly (RA)
- Available in sizes 9-15-25-37
- Excellent EMI Shielding
- Re-openable
- Strain relief inserts ensure a secure termination
- Full Metal Jackscrew as standard
- Plastic Cap Jackscrew on request



Grommet Sizes / DTZK09-37:



Size MHDTZK	Dim A	Dim B	Dim C
9-way	31,2	39,9	15,0
15-way	39,5	41,5	15,0
25-way	53,4	48,6	15,0
37-way	69,7	53,6	15,0

Ordering information:

Rapid Assembly (RA) Style

Size:	P/N - Kitted:	Product Code:
9-way	6560-0115-01	MHDTZK-9-RA-BK-K
15-way	6560-0115-02	MHDTZK-15-RA-BK-K
25-way	6560-0115-03	MHDTZK-25-RA-BK-K
37-way	6560-0115-04	MHDTZK-37-RA-BK-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0115-01	MHDTZK-9-RA-BK
15-way	6561-0115-02	MHDTZK-15-RA-BK
25-way	6561-0115-03	MHDTZK-25-RA-BK
37-way	6561-0115-04	MHDTZK-37-RA-BK

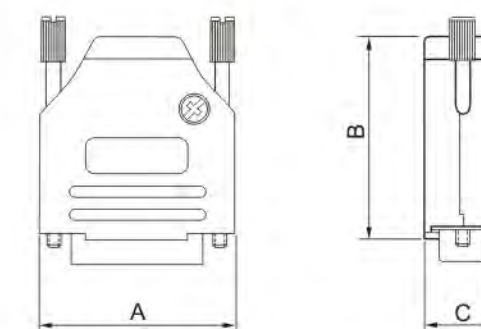
TECHNICAL SPECIFICATIONS

Material:	Zinc, Black
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 121

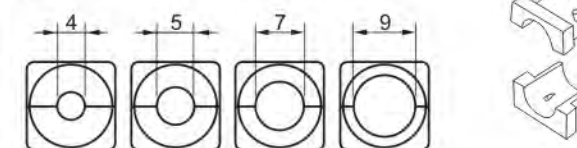


Features:

- Standard Assembly with C-Clip
- Available in sizes 9-15-25-37
- Excellent EMI Shielding
- Re-openable
- Strain relief inserts ensure a secure termination
- Full Metal Jackscrew as standard
- Plastic Cap Jackscrew on request



Grommet Sizes / DTZK09-37:



Size MHDTZK	Dim A	Dim B	Dim C
9-way	31,2	39,9	15,0
15-way	39,5	41,5	15,0
25-way	53,4	48,6	15,0
37-way	69,7	53,6	15,0

Ordering information:

Standard Assembly (C-Clip) Style

Size:	P/N - Kitted:	Product Code:
9-way	6560-0815-01	MHDTZK-9-BK-K
15-way	6560-0815-02	MHDTZK-15-BK-K
25-way	6560-0815-03	MHDTZK-25-BK-K
37-way	6560-0815-04	MHDTZK-37-BK-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0815-01	MHDTZK-9-BK
15-way	6561-0815-02	MHDTZK-15-BK
25-way	6561-0815-03	MHDTZK-25-BK
37-way	6561-0815-04	MHDTZK-37-BK

FULL METAL HOODS

MHD45ZK-SERIES

TECHNICAL SPECIFICATIONS

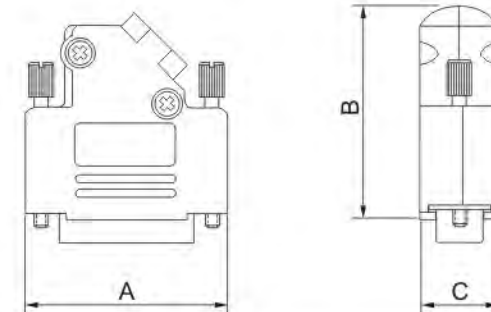
Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	45° Side Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D.:	Up to 13mm (Size 9-37) Up to 17mm (Size 50)
Accessories:	See page 111-115
Assembly Instruction:	See page 122



Features:

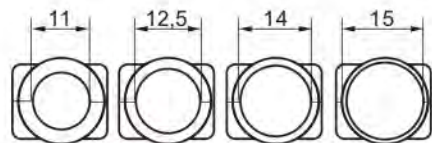
- Available in sizes 9-15-25-37-50
- Excellent EMI Shielding
- Re-openable
- Strain relief inserts ensure a secure termination
- Metalized (RAH) grommets on request. see page 111

NEW: Size 50 now available

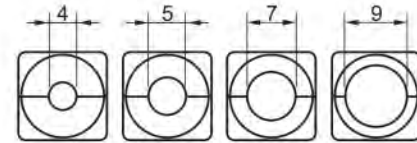


Size MHD45ZK	Dim A	Dim B	Dim C
9-way	31,0	36,3	14,5
15-way	39,5	40,3	14,5
25-way	53,2	40,3	14,5
37-way	69,7	40,3	14,5
50-way	67,4	44,9	17,4

Grommet Sizes / DTZK50:



Grommet Sizes / DTZK09-37:



Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0106-11	MHD45ZK-9-K
15-way	6560-0106-12	MHD45ZK-15-K
25-way	6560-0106-13	MHD45ZK-25-K
37-way	6560-0106-14	MHD45ZK-37-K
50-way	6560-0106-15	MHD45ZK-50-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0106-11	MHD45ZK-9
15-way	6561-0106-12	MHD45ZK-15
25-way	6561-0106-13	MHD45ZK-25
37-way	6561-0106-14	MHD45ZK-37
50-way	6561-0106-15	MHD45ZK-50

FULL METAL HOODS

MHD45ZK-BK-SERIES

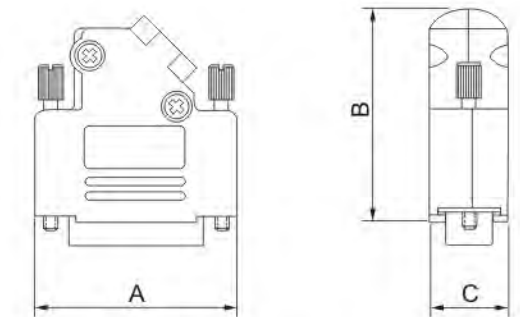
TECHNICAL SPECIFICATIONS

Material:	Zinc, Black
Operating Temperature:	-40°C to +120°C
Cable Entry:	45° Side Entry
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D.:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 122



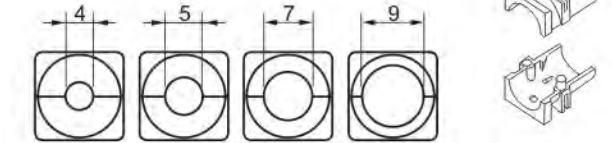
Features:

- Available in sizes 9-15-25-37
- Excellent EMI Shielding
- Strain relief inserts ensure a secure termination



Size MHD45ZK	Dim A	Dim B	Dim C
9-way	31,0	36,3	14,5
15-way	39,5	40,3	14,5
25-way	53,2	40,3	14,5
37-way	69,7	40,3	14,5

Grommet Sizes / D45ZK09-37:



Ordering information:

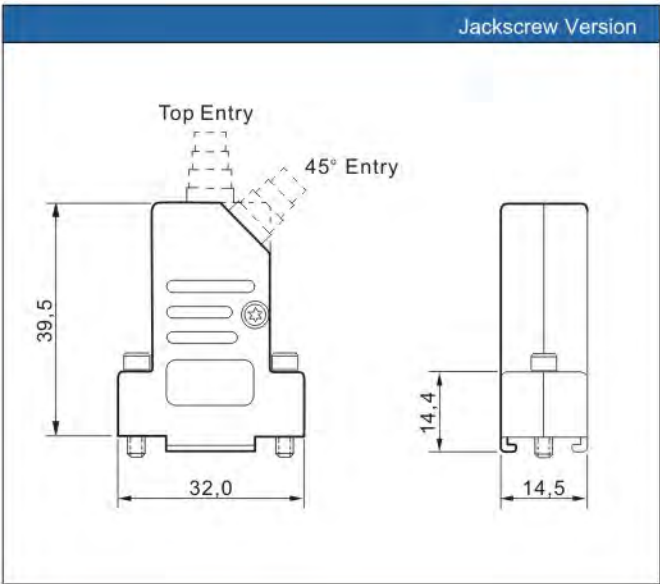
Size:	P/N - Kitted:	Product Code:
9-way	6560-0116-11	MHD45ZK-9-BK-K
15-way	6560-0116-12	MHD45ZK-15-BK-K
25-way	6560-0116-13	MHD45ZK-25-BK-K
37-way	6560-0116-14	MHD45ZK-37-BK-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0116-11	MHD45ZK-9-BK
15-way	6561-0116-12	MHD45ZK-15-BK
25-way	6561-0116-13	MHD45ZK-25-BK
37-way	6561-0116-14	MHD45ZK-37-BK

TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top or Side Entry
Jackscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable O.D:	Up to 11,5mm
Accessories:	See page 111-115
Assembly Instruction:	See page 129

- Features:
- Jackscrew Version
 - Available in size 9 only
 - Excellent EMI Shielding
 - Re-openable



Ordering information: MHDTSL-JSFR

Size:	P/N - Kitted:	Product Code:
9-way-TOP	6560-0237-31	MHDTSL09-JSFR-T-K
9-way-SIDE	6560-0238-31	MHDTSL09-JSFR-S-K

Size:	P/N - BULK:	Product Code:
9-way-TOP	6561-0237-31	MHDTSL09-JSFR-T
9-way-SIDE	6561-0238-31	MHDTSL09-JSFR-S

Ordering information: MHDTSL-JS

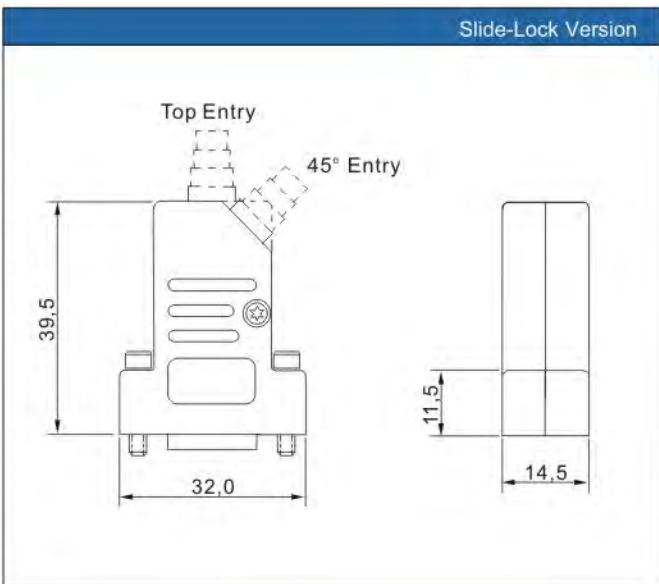
Size:	P/N - Kitted:	Product Code:
9-way-TOP	6560-0207-31	MHDTSL09-JS-T-K
9-way-SIDE	6560-0208-31	MHDTSL09-JS-S-K

Size:	P/N - BULK:	Product Code:
9-way-TOP	6561-0207-31	MHDTSL09-JS-T
9-way-SIDE	6561-0208-31	MHDTSL09-JS-S

TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top or Side Entry
Cable O.D:	Up to 11,5mm
Accessories:	See page 111-115
Assembly Instruction:	See page 129

- Features:
- Slide-Lock Version
 - Available in size 9 only
 - Excellent EMI Shielding
 - Re-openable



Ordering information: MHDTSL-SLFR

Size:	P/N - Kitted:	Product Code:
9-way-TOP	6560-0235-31	MHDTSL09-SLFR-T-K
9-way-SIDE	6560-0239-31	MHDTSL09-SLFR-S-K

Size:	P/N - BULK:	Product Code:
9-way-TOP	6561-0235-31	MHDTSL09-SLFR-T
9-way-SIDE	6561-0239-31	MHDTSL09-SLFR-S

Ordering information: MHDTSL-SL

Size:	P/N - Kitted:	Product Code:
9-way-TOP	6560-0205-31	MHDTSL09-SL-T-K
9-way-SIDE	6560-0209-31	MHDTSL09-SL-S-K

Size:	P/N - BULK:	Product Code:
9-way-TOP	6561-0205-31	MHDTSL09-SL-T
9-way-SIDE	6561-0209-31	MHDTSL09-SL-S

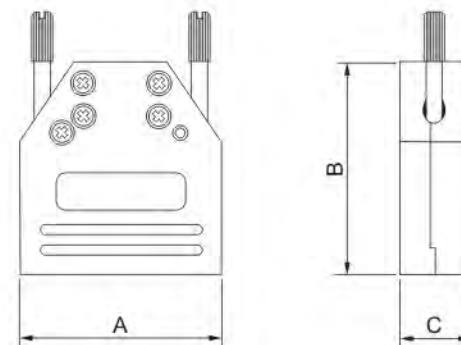
TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Jackscrews:	UNC 4-40 (Standard) Other thread on request
Cable O.D:	Up to 13mm



Features:

- Available in sizes 9-15-25-37-50
- Excellent EMI Shielding
- Re-openable
- Double strain relief for strong and secure cable clamping



Size MHDTZI	Dim A	Dim B	Dim C
9-way	34,0	45,0	14,6
15-way	43,0	45,0	14,6
25-way	56,5	45,0	14,6
37-way	73,0	45,0	14,6
50-way	71,0	45,0	17,4

Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0305-01	MHDTZI09-K
15-way	6560-0305-02	MHDTZI15-K
25-way	6560-0305-03	MHDTZI25-K
37-way	6560-0305-04	MHDTZI37-K
50-way	6560-0305-05	MHDTZI50-K

Size:	P/N - BULK:	Product Code:
9-way	6561-0305-01	MHDTZI09
15-way	6561-0305-02	MHDTZI15
25-way	6561-0305-03	MHDTZI25
37-way	6561-0305-04	MHDTZI37
50-way	6561-0305-05	MHDTZI50

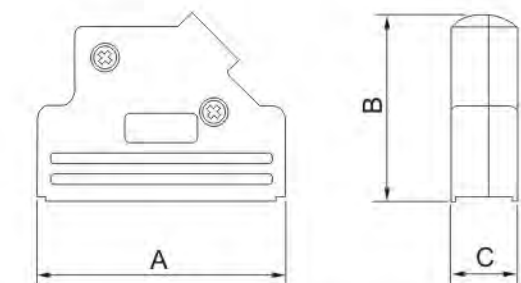
TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Side Entry
Cable O.D:	Up to 13mm
Accessories:	See page 111-115
Assembly Instruction:	See page 122



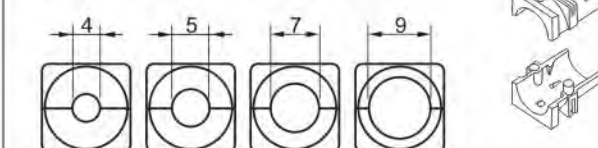
Features:

- Full Metal Slide-Lock System Hood
- Available in sizes 9-15-25-37
- Excellent EMI Shielding
- Re-openable
- Strain relief inserts ensure a secure termination
- Metalized (RAHI) grommets on request - See page 111



Size MHDVSL	Dim A	Dim B	Dim C
9-way	14,5	36,3	31,0
15-way	14,5	40,3	39,5
25-way	14,5	40,3	53,2
37-way	14,5	40,3	69,7

Grommet Sizes - MHDVSL09-37:



Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0206-31	MHDVSL-09-K
15-way	6560-0206-32	MHDVSL-15-K
25-way	6560-0206-33	MHDVSL-25-K
37-way	6560-0206-34	MHDVSL-37-K

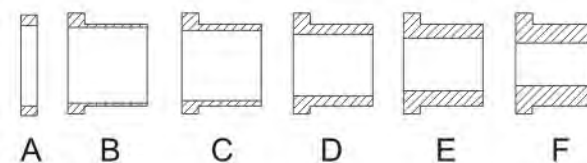
Size:	P/N - BULK:	Product Code:
9-way	6561-0206-31	MHDVSL-09
15-way	6561-0206-32	MHDVSL-15
25-way	6561-0206-33	MHDVSL-25
37-way	6561-0206-34	MHDVSL-37

TECHNICAL SPECIFICATIONS

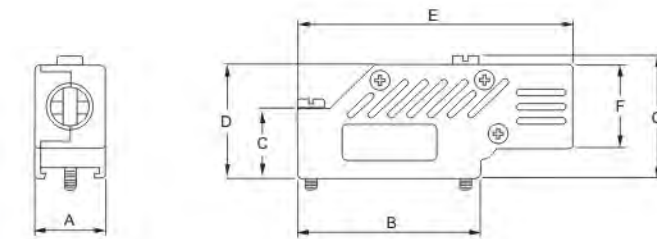
Material:	Zinc, Nickel Plated
Operating Temperature:	-25°C to +90°C
Cable Entry:	Side Entry
Jackscrews:	UNC 4-40
Cable O.D:	Up to 18,4mm
Type of grommets:	Compression Inserts



Compression Inserts - Inner Diameters:



Size	A	B	C	D	E	F
9/15	8,10	8,00	7,25	6,50	5,30	-
25	11,40	10,40	9,40	7,60	5,80	-
37/50	16,50	15,75	14,50	12,70	10,80	8,90



Size	A	B	C	D	E	F	G
9	15,0	30,8	15,0	24,4	50,8	18,0	26,2
15	15,2	39,4	15,0	24,4	59,3	18,0	26,4
25	15,8	53,3	23,1	34,5	72,4	24,3	35,0
37	15,8	69,9	23,1	40,9	89,7	30,7	42,9
50	18,0	67,1	-	40,9	86,9	30,7	42,9

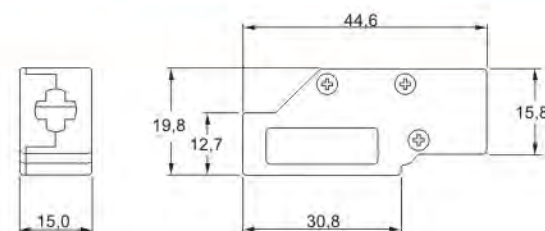
Features:

- Available in sizes 9, 15, 25 and 37-way
Size 50 on request
- Suitable for any common Sub-D connector
- Re-Openable
- Compression Inserts in Thermoplastic Compound

Order codes:

9-way	1060-0135-01	MHDCMR9-ULP
15-way	1060-0135-02	MHDCMR15-ULP
25-way	1060-0135-03	MHDCMR25-ULP
37-way	1060-0135-04	MHDCMR37-ULP
50-way	1060-0135-05	MHDCMR50-ULP

Slide Lock Version:



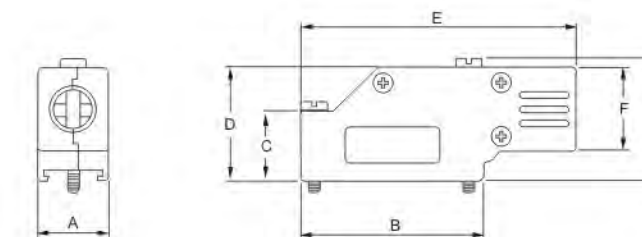
- Material as above ULP-version
- Available in size 9 only

Order codes:

9-way	1060-0135-11	MHDCMR09-SL
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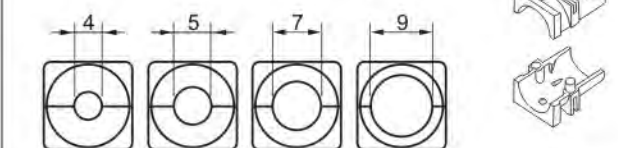
TECHNICAL SPECIFICATIONS

Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Side Entry
Jackscrews:	UNC 4-40
Cable O.D:	Up to 13mm
Type of grommets:	2 piece Plastic Ferrule Kit (RA)
Assembly Instruction:	See page 122



Size	A	B	C	D	E	F	G
9	15,0	30,8	15,0	24,4	50,8	18,0	26,2
25	15,8	53,3	23,1	34,5	72,4	24,3	36,6

Grommet Sizes - MHDCMR-RA:



Features:

- Available in sizes 9 and 25-way
Other sizes on request
- Suitable for any common Sub-D connector
- Re-Openable
- Metalized (RAH) grommets on request - See page 111

Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6560-0501-01	MHDCMR-09-RA-K
15-way	6560-0501-02	On request
25-way	6560-0501-03	MHDCMR-25-RA-K
37-way	6560-0501-04	On request

Size:	P/N - BULK:	Product Code:
9-way	6561-0501-01	MHDCMR-09-RA
15-way	6561-0501-02	On request
25-way	6561-0501-03	MHDCMR-25-RA
37-way	6561-0501-04	On request

FULL METAL HOODS

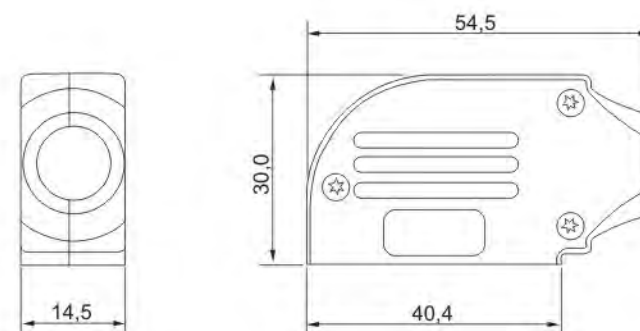
MHDSCK-SERIES

TECHNICAL SPECIFICATIONS

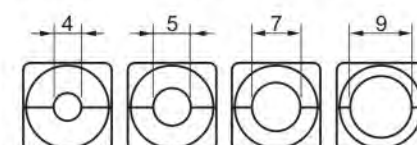
Material:	Zinc, Nickel Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Side Entry
Cable O.D:	Up to 13mm
Type of grommets:	2 piece Plastic Ferrule Kit
Assembly Instruction:	See page 122

Features:

- Mull Metal Slide Lock System Hood
- Available in size 15 only
- Suitable for any common Sub-D connector
- Re-Openable
- Perfect Solution for Ethernet Applications
- Metalized (RAHI) grommets on request - See page 111



Grommet Sizes - MHDSCK:



Ordering information:

Size:	P/N - Kitted:	Product Code:
15-way	6560-0406-32	DSCK-15-SL-K

Size:	P/N - BULK:	Product Code:
15-way	6561-0406-32	DSCK-15-SL

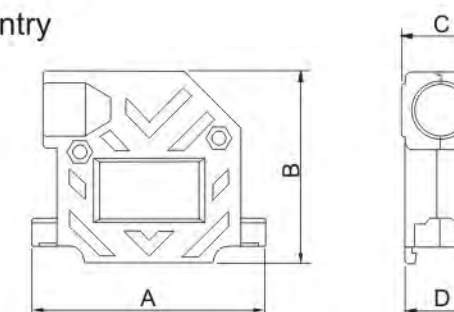
FULL METAL HOODS

MHC88E000-SERIES

TECHNICAL SPECIFICATIONS

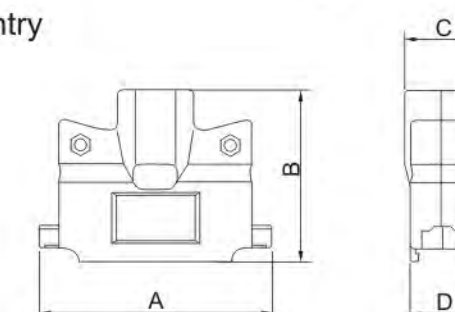
Material:	Zinc, Nickel Plated
Operating Temperature:	-25°C to +90°C
Cable Entry:	Side or Top Entry Flat Cable Entry
Jackscrews:	UNC 4-40

Side Entry



Size	Dim A	Dim B	Dim C	Dim D
25	53,1	43,6	18,0	16,3

Top Entry



Size	Dim A	Dim B	Dim C	Dim D
9	31,1	37,2	15,7	15,7
15	39,1	40,6	15,7	15,7
25	53,1	39,1	17,5	15,7
37	66,6	45,7	21,9	18,5
50	66,6	45,7	21,9	18,5

Ordering information:

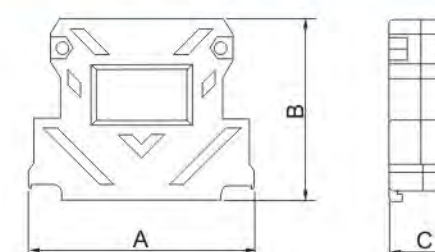
Side Entry

Size:	P/N - Kitted:	Product Code:
25-way	1060-0206-03	C88E420000

Top Entry

Size:	P/N - Kitted:	Product Code:
9-way	1060-0205-01	C88E000209
15-way	1060-0205-02	C88E000211
25-way	1060-0205-03	C88E000204
37-way	1060-0205-04	C88E000210
50-way	1060-0205-05	C88E000212

MHC88E - Flat Cable Entry Hood



Size:	Dim A	Dim B	Dim C
Flat - 25-way	55,5	45,7	17,5



Ordering information:

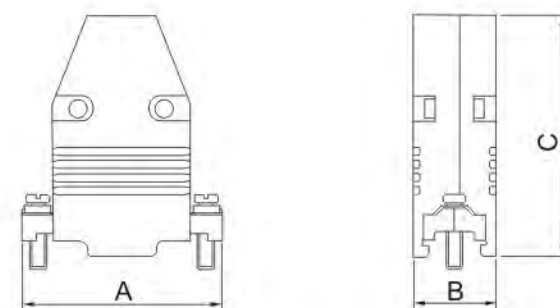
Size:	P/N - Kitted:	Product Code:
25-way	1060-0207-03	C88E520000

TECHNICAL SPECIFICATIONS

Material:	Zinc, Chrome Plated
Operating Temperature:	-40°C to +120°C
Cable Entry:	Top Entry
Cable O.D:	Up to 16mm
Jackscrews:	UNC 4-40 Short Jackscrews (ME-version) Long Jackscrews (MEL-version)

Features:

- Available in sizes 9, 15, 25, 37 and 50
- Suitable for any common Sub-D connector
- Re-Openable
- Available also with Long Jackscrews (MEL)



Size MHCCOV	Dim A	Dim B	Dim C
9-way	31,4	16,2	48,3
15-way	40,2	16,2	48,3
25-way	53,0	16,2	48,3
37-way	69,2	16,2	48,3
50-way	67,0	18,4	48,3

Ordering information: (Short Jackscrews)

Size:	P/N - Kitted:	Product Code:
9-way	2360-0106-01	MHCCOV 9-ME
15-way	2360-0106-02	MHCCOV15-ME
25-way	2360-0106-03	MHCCOV25-ME
37-way	2360-0106-04	MHCCOV37-ME
50-way	2360-0106-05	MHCCOV50-ME

(Long Jackscrews)

Size:	P/N - Kitted:	Product Code:
9-way	2360-0106-11	MHCCOV 9-MEL
15-way	2360-0106-12	MHCCOV15-MEL
25-way	2360-0106-13	MHCCOV25-MEL
37-way	2360-0106-14	MHCCOV37-MEL
50-way	2360-0106-15	MHCCOV50-MEL

TECHNICAL SPECIFICATIONS

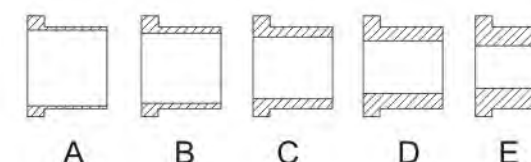
Material:	Zinc, Chrome Plated
Operating Temperature:	-25°C to +90°C
Cable Entry:	Top Entry
Cable O.D:	Up to 16mm*
Jackscrews:	UNC 4-40 Short Jackscrews (ME-version) Long Jackscrews (MEL-version)

* Cable Diameter Max 16mm if Compression Insert is not used.
Recommended diameters with Inserts - Please see table below.

Features:

- Available in sizes 9, 15, 25, 37 and 50
- Suitable for any common Sub-D connector
- Re-Openable
- Available also with Long Jackscrews (MEL)

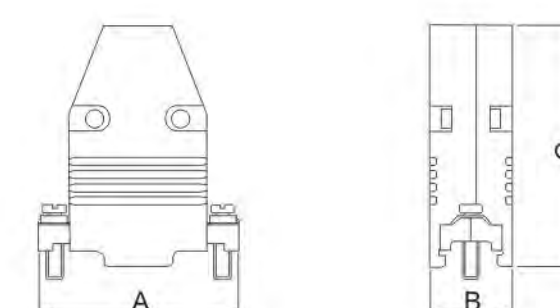
Compression Inserts - Inner Diameters:



Size	A	B	C	D	E
9/15	8,00	7,50	7,00	6,00	4,50
25	9,50	8,30	7,90	6,75	5,80
37/50	13,50	13,00	11,00	9,00	8,00

Ordering information: (Short Jackscrews)

Size:	P/N - Kitted:	Product Code:
9-way	2360-0107-01	MHCCOV 9-ME-RG
15-way	2360-0107-02	MHCCOV15-ME-RG
25-way	2360-0107-03	MHCCOV25-ME-RG
37-way	2360-0107-04	MHCCOV37-ME-RG
50-way	2360-0107-05	MHCCOV50-ME-RG



Size MHCCOV	Dim A	Dim B	Dim C
9-way	31,4	16,2	53,0
15-way	40,2	16,2	48,3
25-way	53,0	16,2	48,3
37-way	69,2	16,2	48,3
50-way	67,0	18,4	48,3

Ordering information: (Long Jackscrews)

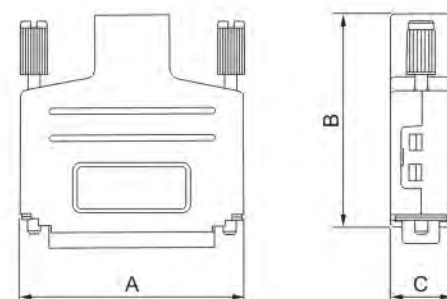
Size:	P/N - Kitted:	Product Code:
9-way	2360-0107-11	MHCCOV 9-MEL-RG
15-way	2360-0107-12	MHCCOV15-MEL-RG
25-way	2360-0107-13	MHCCOV25-MEL-RG
37-way	2360-0107-14	MHCCOV37-MEL-RG
50-way	2360-0107-15	MHCCOV50-MEL-RG

SHIELDED HOODS TOP ENTRY

DTK/DTPK I-SERIES

TECHNICAL SPECIFICATIONS

Material:	
Plastic Hood:	Polyamid - UL-recognised
Metal Hood:	Steel, Zinc plated
Operating Temperature:	-55°C to +110°C
Thumbscrews:	UNC 4-40 (Standard) M2,5 or M3 on request
Cable Entry:	Top Entry
Cable O.D.:	Up to 11,5mm
Accessories:	See page 111-115
Assembly Instruction:	See page 127-128



Features:

- Available in sizes 9-15-25-37
- Suitable for IDC connectors
- Quick-Snap locking system
- Crimping method ensures a 360° shielding

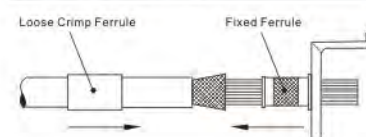
Ordering information:

Size:	P/N - Kitted:	Product Code:
9-way	6260-0120-xx	DTK09I-[size] + DTPK09I-JS
15-way	6260-0121-xx	DTK15I-[size] + DTPK15I-JS
25-way	6260-0122-xx	DTK25I-[size] + DTPK25I-JS
37-way	6260-0123-xx	DTK37I-[size] + DTPK37I-JS

Size DTK/DTPK	Dim A	Dim B	Dim C
9-way	35,0	54,0	19,0
15-way	43,0	54,0	19,0
25-way	54,0	53,0	18,0
37-way	74,0	54,0	19,0

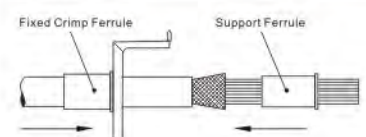
Code for correct ferrule:

Standard Crimp



Example: 6260-0120-01
DTK09I-5,3 + DTPK09I-JS

Reversed Crimp



Example: 6260-0120-10
DTK09I-R5,3 + DTPK09I-JS

Cable O.D	Size	Order Code xx	Suits Hood size
Up to 7 mm	5,3	-01	9-15-25-37
6,8-8,6 mm	6,0	-02	9-15-25-37
8,4-9,8 mm	7,0	-03	9-15-25-37
9,6-10,3 mm	7,5	-04	9-15-25-37
10,1-11,0 mm	8,6	-05	9-15-25-37
10,8-12,5 mm	10,5	-07	9-15-25-37

Cable O.D	Size	Order Code xx	Suits Hood size
Up to 5,1 mm	R5,3	-10	9-15-25-37
4,3-6,9 mm	R7,1	-12	9-15-25-37
6,1-8,8 mm	R9,0	-14	9-15-25-37
8,0-10,3 mm	R10,5	-15	9-15-25-37
9,5-11,5 mm	R11,7	-16	9-15-25-37

SPECIAL HOODS

Flat Cable Connector Hood

Material:	ABS Plastic Unshielded version (Standard) Shielded version on request
Sizes:	9-15-25-37
Screws:	UNC 4-40 locking screw

Ordering information:

Size:	Part Number:	Product Code:
9-way	1520-0101-01	MHDFCK09-P
15-way	1520-0101-02	MHDFCK15-P
25-way	1520-0101-03	MHDFCK25-P
37-way	1520-0101-04	MHDFCK37-P



DFCK

Flat Cable Grip Cap

Material:	ABS Plastic, Black
Sizes:	9-15-25
Each kit contains fastening bolts	

Ordering information:

Size:	Part Number:	Product Code:
9-way	1520-0201-01	MHDFCC09-P
15-way	1520-0201-02	MHDFCC15-P
25-way	1520-0201-03	MHDFCC25-P



DFCC

Drawn D-Connector Metal Cans

Material:	Steel, Zinc Plated
Sizes:	9-15-25-37

Ordering information:

Size:	Part Number:	Product Code:	Max Cable O.D:
9-way	2901-0101-01	DMCK09 - 5.5	5,3mm
9-way	2901-0101-11	DMCK09 - 7.2	7,1mm
9-way	2901-0101-21	DMCK09 - 9.5	9,3mm
15-way	2901-0101-02	DMCK15 - 7.2	7,1mm
15-way	2901-0101-12	DMCK15 - 9.5	9,3mm
25-way	2901-0101-03	DMCK25 - 7.2	7,1mm
25-way	2901-0101-13	DMCK25 - 9.5	9,3mm
25-way	2901-0101-23	DMCK25 - 10.8	10,5mm
37-way	2901-0101-04	DMCK37 - 10.8	10,5mm



DMCK

The drawn metal cans are normally used as a press fit shielding cover prior to overmoulding with PVC. The cable-to-can entry can be heat shrink sleeved to provide sealing against dust.

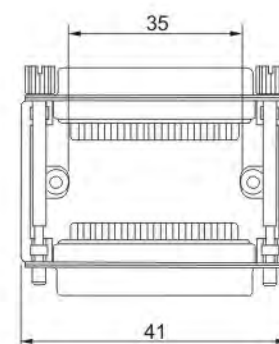
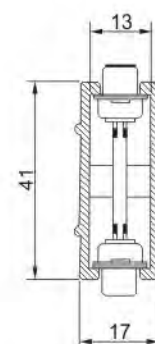
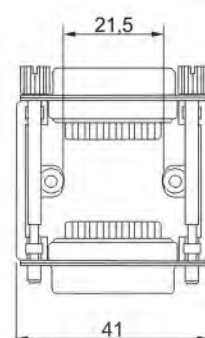
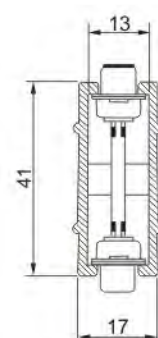
TECHNICAL SPECIFICATIONS

Materials:	
Unshielded Hood:	Polyamid - UL-recognised
Operating Temperature:	-55°C to +110°C
Thumbscrews:	UNC 4-40 (Standard)
Shielded Hood:	ABS/PC - UL-recognised
Plating:	Nickel over Copper
Operating Temperature:	-55°C to +110°C
Thumbscrews:	UNC 4-40 (Standard)



MHDAPK 15

MHDAPK 25



Note:

All adapters are delivered with 2 long and 4 short screws in standard versions as seen in above drawings and in below ordering information.

If you only need 2pcs Jackscrews - then please contact us.

Ordering information: Unshielded Version

Size:	P/N - Kitted:	Product Code:
15-way	6211-0100-02	MHDAPK15-JS
25-way	6211-0100-03	MHDAPK25-JS

Ordering information: Shielded Version

Size:	P/N - Kitted:	Product Code:
15-way	6211-0100-12	MHDAPK15-JS/MET
25-way	6211-0100-13	MHDAPK25-JS/MET

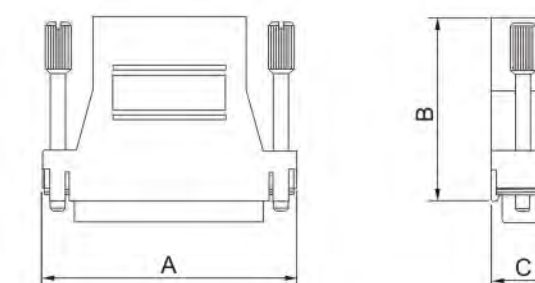
TECHNICAL SPECIFICATIONS

Materials:	
Unshielded Hood:	UL-recognised plastic material
Operating Temperature:	-30°C to +110°C
Colour:	Black (Standard) Also available in Blue, Green, Light Grey, Red & Yellow upon request
Shielded Hood:	UL-recognised plastic material
Plating:	Nickel over Copper
Operating Temperature:	-30°C to +90°C
Thumbscrews:	UNC 4-40 (Standard)



Features:

- Available in sizes 9 and 25 (15 on request)
- Available in EMI-shielded and unshielded version
- Delivered complete with wires and Sub-D
- Pre-wired connectors on request



Size MHDA	Dim A	Dim B	Dim C
9-way	33,0	15,0	49,5
15-way	41,3	15,0	39,0
25-way	55,1	15,0	39,0

Ordering information: Unshielded Version

Size:	P/N - Kitted:	Product Code:
9-way	2112-0100-01	MHDA09-SMJ6-K-RC
25-way	2112-0100-03	MHDA25-SMJ6-K-RC
9-way	2112-0100-11	MHDA09-PMJ6-K-RC
25-way	2112-0100-13	MHDA25-PMJ6-K-RC
9-way	2112-0101-01	MHDA09-SMJ8-K-RC
25-way	2112-0101-03	MHDA25-SMJ8-K-RC
9-way	2112-0101-11	MHDA09-PMJ8-K-RC
25-way	2112-0101-13	MHDA25-PMJ8-K-RC

Ordering information: Shielded Version

Size:	P/N - Kitted:	Product Code:
9-way	2112-0105-01	MHDA09-SMJ8-M-K-RC
25-way	2112-0105-03	MHDA25-SMJ8-M-K-RC
9-way	2112-0105-11	MHDA09-PMJ8-M-K-RC
25-way	2112-0105-13	MHDA25-PMJ8-M-K-RC

SMJ6 = Sub-D Female to RJ11

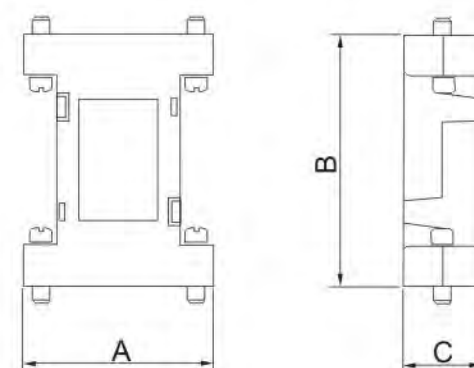
PMJ6 = Sub-D Male to RJ11

SMJ8 = Sub-D Female to RJ45

PMJ8 = Sub-D Male to RJ45

TECHNICAL SPECIFICATIONS

Materials:	
Unshielded Hood:	UL-recognised plastic material
Operating Temperature:	-30°C to +110°C
Colour:	Light Grey (Standard) Other colour on request
Shielded Hood:	UL-recognised plastic material
Plating:	Nickel over Copper
Operating Temperature:	-30°C to +90°C
Jackscrews:	UNC 4-40 (Standard)



MM = Male to Male Sub-D
MF = Male to Female Sub-D
FF = Female to Female Sub-D

Size MHGA	Dim A	Dim B	Dim C
9-way	33,2	62,0	16,5
15-way	41,0	62,0	16,5
25-way	56,0	62,0	16,5

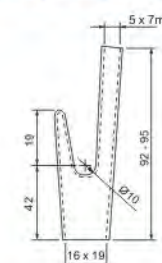
Ordering information: Unshielded Version

Size:	P/N - Kitted:	Product Code:
9-way	2111-0101-01	MHGA0909-MM-LG-K-RC
15-way	2111-0101-02	MHGA1515-MM-LG-K-RC
25-way	2111-0101-03	MHGA2525-MM-LG-K-RC
9-way	2111-0101-11	MHGA0909-MF-LG-K-RC
15-way	2111-0101-12	MHGA1515-MF-LG-K-RC
25-way	2111-0101-13	MHGA2525-MF-LG-K-RC
9-way	2111-0101-21	MHGA0909-FF-LG-K-RC
15-way	2111-0101-22	MHGA1515-FF-LG-K-RC
25-way	2111-0101-23	MHGA2525-FF-LG-K-RC

Ordering information: Shielded Version

Size:	P/N - Kitted:	Product Code:
9-way	2111-0105-01	MHGA0909-MM-M-K-RC
15-way	2111-0105-02	MHGA1515-MM-M-K-RC
25-way	2111-0105-03	MHGA2525-MM-M-K-RC
9-way	2111-0105-11	MHGA0909-MF-M-K-RC
15-way	2111-0105-12	MHGA1515-MF-M-K-RC
25-way	2111-0105-13	MHGA2525-MF-M-K-RC
9-way	2111-0105-21	MHGA0909-FF-M-K-RC
15-way	2111-0105-22	MHGA1515-FF-M-K-RC
25-way	2111-0105-23	MHGA2525-FF-M-K-RC

Battery Clip Insulating Covers – 20A

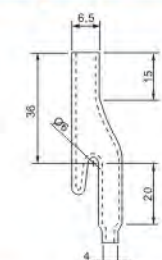


- Features:
- Red or Black colour
 - Suitable for 20 Amp
 - Material: PVC

Order Code:	Colour:
DIP-IBC20A-R	RED
DIP-IBC20A-BK	BLACK



Battery Clip Insulating Covers – 5A

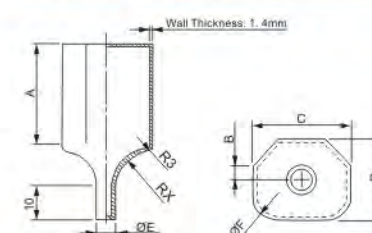


- Features:
- Red or Black colour
 - Suitable for 5 Amp
 - Material: PVC

Order Code:	Colour:
DIP-IC5A-R	RED
DIP-IC5A-BK	BLACK



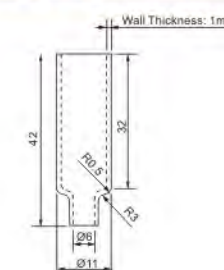
IEC Insulating Covers



For protecting a variety of IEC Inlets, Outlets and Filters

Order Code:	A	B	C	D	ØE	ØF	Rx	Material:	Colour:
DIP-IEC4-BK	35	-	27,0	19,0	4,0	4	10,0	UL94 V-0-rated PVC	Black
DIP-IEC5-BK	30	-	27,0	19,0	4,0	4	10,0	UL94 V-0-rated PVC	Black
DIP-IEC6S-BK	22	-	27,0	19,0	6,0	4	10,5	UL94 V-0-rated PVC	Black
DIP-IEC6L-BK	35	8,25	26,5	30,5	6,4	-	10,0	UL94 V-0-rated PVC	Black
DIP-IEC7-BK	38	4,25	30,0	24,0	6,4	16	9,0	UL94 V-0-rated PVC	Black

Fuse Holder Insulating Cover

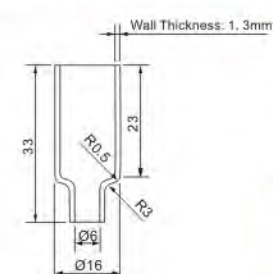


- Features:
- Fuse Holder Insulating Cover
 - Black PVC
 - Suits 20x5 mm Panel mount Fuse Holders

Order Code:	Colour:
DIP-ISFH-BK	BLACK



Rear Insulating Cover



- Features:
- Rear Insulating Cover
 - Black PVC
 - Suitable for electrical connections of 3, 4 and 6-pole 3A Mini Inlet and Outlet Plugs & Sockets

Order Code:	Colour:
DIP-IMI3A-BK	BLACK



SUB-D CONNECTORS

MHD-SERIES

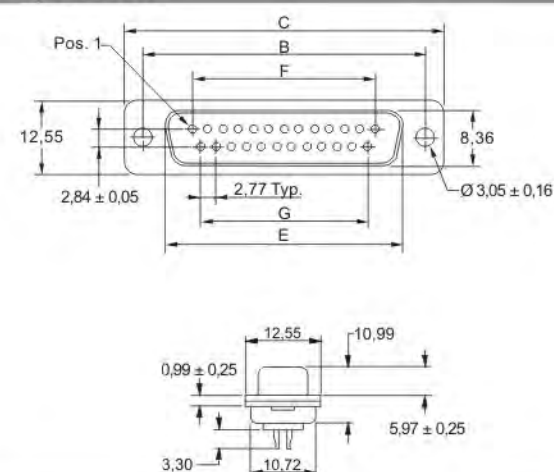
MHDB-MHDM-Series – Solder Cup

Material Specification:

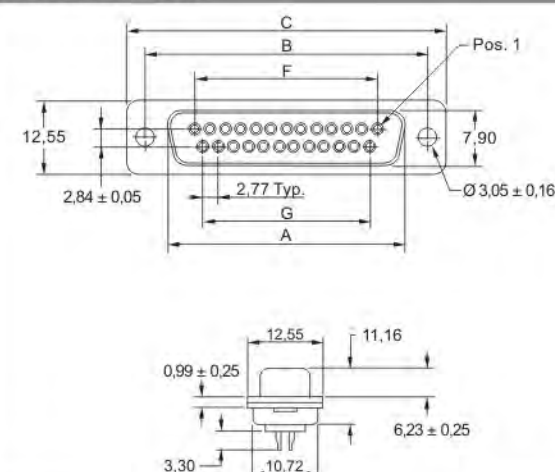
Insulator:	Glass filled Polyester, Black UL94 V-0
Shell:	Stamped Steel, Tin Plated
Conact pins:	Copper Alloy
Stamped & Formed Pins	Class 3, 100 inserts min. (DB)
Machined Pins:	Class 1, 500 inserts min. (DM)
Contact Plating:	Selective Gold over Nickel



Plug connector



Socket connector



Size	A	B	C	E	F	G
9	16,33	24,99	30,81	16,92	11,08	8,31
15	24,66	33,32	39,14	25,25	19,39	16,62
25	38,38	47,04	53,04	38,96	33,24	30,47
37	54,84	63,50	69,32	55,25	49,86	47,09
50*	Available on request					

Order Codes:

Plug Connector	Stamped & Formed
09 2101-0180-01	MHDB09-SP
15 2101-0180-02	MHDB15-SP
25 2101-0180-03	MHDB25-SP
37 2101-0180-04	MHDB37-SP
50 2101-0180-05	MHDB50-SP

Plug Connector	Machined Contacts
09 2101-0200-01	MHDM09-SP
15 2101-0200-02	MHDM15-SP
25 2101-0200-03	MHDM25-SP
37 2101-0200-04	MHDM37-SP
50	On request

Socket Connector	Stamped & Formed
09 2101-0180-11	MHDB09-SS
15 2101-0180-12	MHDB15-SS
25 2101-0180-13	MHDB25-SS
37 2101-0180-14	MHDB37-SS
50 2101-0180-15	MHDB50-SS

Socket Connector	Machined Contacts
09 2101-0200-11	MHDM09-SS
15 2101-0200-12	MHDM15-SS
25 2101-0200-13	MHDM25-SS
37 2101-0200-14	MHDM37-SS
50	On request

SUB-D CONNECTORS

MHD-SERIES

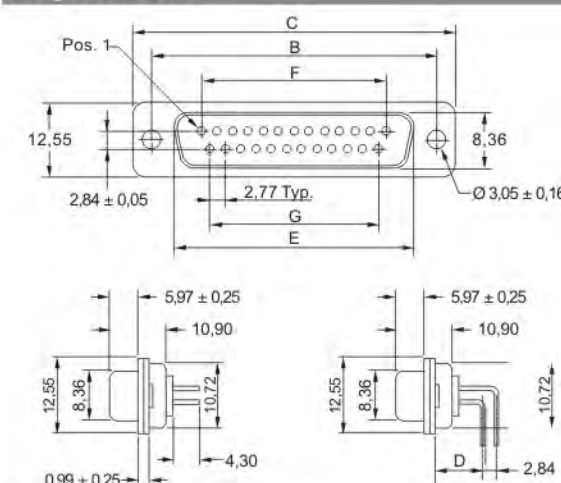
MHDD-Series – PCB Mount Straight & Angled D Connectors, 9.4mm

Material Specification:

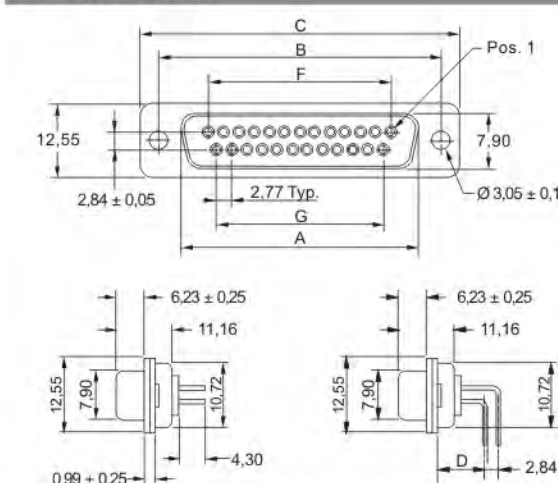
Insulator:	Glass filled Polyester, Black UL94 V-0
Shell:	Stamped Steel, Tin Plated
Conact pins:	Copper Alloy, Machined Class 1, 500 inserts min.
Contact Plating:	Selective Gold over Nickel
	7.2mm (RAM) available on request. Size 50 available on request.



Plug connector



Socket connector



Size	A	B	C	D: RAM/ RBM	E	F	G
9	16,33	24,99	30,81	7,2 / 9,4	16,92	11,08	8,31
15	24,66	33,32	39,14	7,2 / 9,4	25,25	19,39	16,62
25	38,38	47,04	53,04	7,2 / 9,4	38,96	33,24	30,47
37	54,84	63,50	69,32	7,2 / 9,4	55,25	49,86	47,09
50*	Available on request						

Order Codes:

Plug Connector	Straight PCB Mount
09 2103-0100-01	MHDD09-M-T-B-S
15 2103-0100-02	MHDD15-M-T-B-S
25 2103-0100-03	MHDD25-M-T-B-S
37 2103-0100-04	MHDD37-M-T-B-S
50	On request

Plug Connector	Angled RBM (9.4mm)
09 2103-2100-01	MHDD09-M-T-B-S-RBM
15 2103-2100-02	MHDD15-M-T-B-S-RBM
25 2103-2100-03	MHDD25-M-T-B-S-RBM
37 2103-2100-04	MHDD37-M-T-B-S-RBM
50	On request

Socket Connector	Straight PCB Mount
09 2103-0100-11	MHDD09-F-T-B-S
15 2103-0100-12	MHDD15-F-T-B-S
25 2103-0100-13	MHDD25-F-T-B-S
37 2103-0100-14	MHDD37-F-T-B-S
50	On request

Socket Connector	Angled RBM (9.4mm)
09 2103-2100-11	MHDD09-F-T-B-S-RBM
15 2103-2100-12	MHDD15-F-T-B-S-RBM
25 2103-2100-13	MHDD25-F-T-B-S-RBM
37 2103-2100-14	MHDD37-F-T-B-S-RBM
50	On request

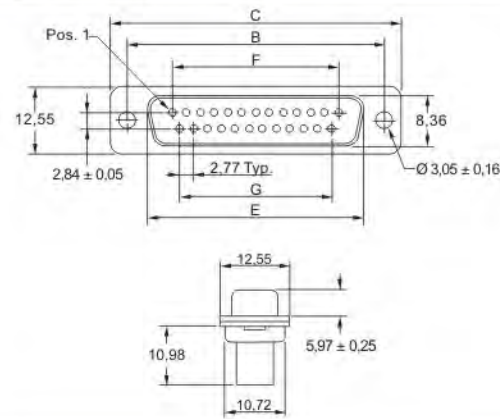
MHDBC-Series – D-Crimp Connectors

Material Specification:

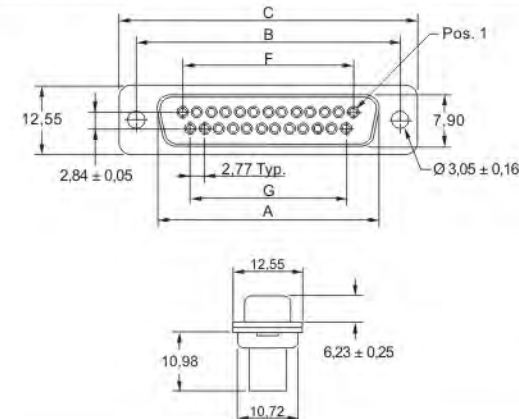
Insulator:	Glass filled Polyester, Black UL94 V-0
Shell:	Stamped Steel, Tin Plated
Contacts:	Copper Alloy, Stamped & Formed Pins 100 inserts min.
Contact Plating:	Selective Gold over Nickel



Plug connector



Socket connector



Size	A	B	C	E	F	G
9	16,33	24,99	30,81	16,92	11,08	8,31
15	24,66	33,32	39,14	25,25	19,39	16,62
25	38,38	47,04	53,04	38,96	33,24	30,47
37	54,84	63,50	69,32	55,25	49,86	47,09
50*	Available on request					

Order Codes:

Plug Connector			Socket Connector		
09	2101-0190-01	MHDBC09-SP	09	2101-0190-11	MHDBC09-SS
15	2101-0190-02	MHDBC15-SP	15	2101-0190-12	MHDBC15-SS
25	2101-0190-03	MHDBC25-SP	25	2101-0190-13	MHDBC25-SS
37	2101-0190-04	MHDBC37-SP	37	2101-0190-14	MHDBC37-SS
50	On request		50	On request	

Order Codes - CRIMP Contacts, AWG 24-28:

Crimp Contacts on REEL - 5000pcs		
Male Contacts	2101-0199-01	MHDBCTMR
Female Contacts	2101-0199-11	MHDBCTFR

Other AWG available on request

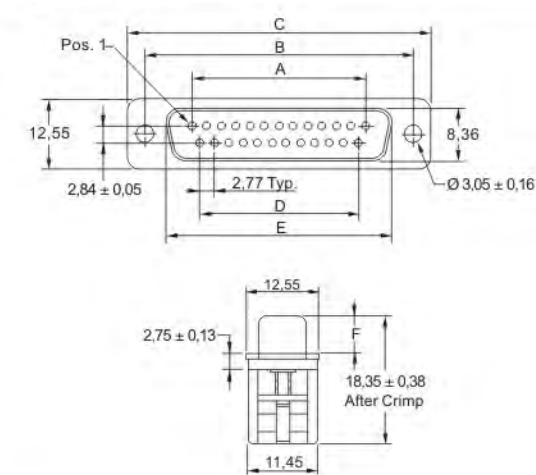
MHDF2-Series – Economy IDC's

Material Specification:

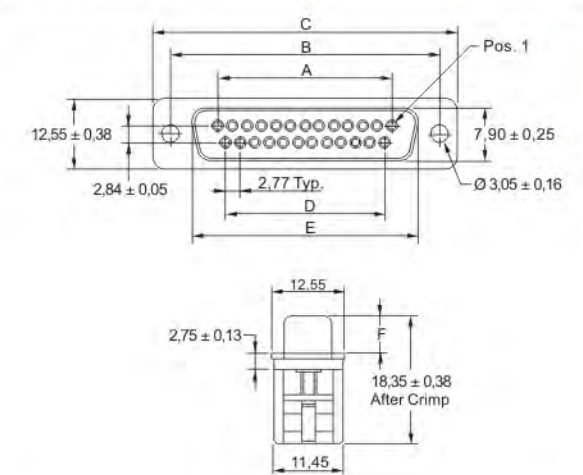
Insulator:	Glass filled Polyester, Black UL94 V-0
Shell:	Stamped Steel, Tin Plated
Contacts:	Phosphor Bronze, Stamped & Formed Pins 100 inserts min.
Contact Plating:	Selective Gold over Nickel
Wire Size:	AWG 26 or 28 1,27 mm conductor Centre, Flat Cable



Plug connector



Socket connector



Size	A	B	C	D	(E) Plug / Socket	(F) Plug /Socket
9	11,08	24,99	30,80	8,31	16,92 / 16,33	5,84 / 6,00
15	19,39	33,32	39,10	16,62	25,25 / 24,66	5,84 / 6,00
25	33,24	47,04	53,09	30,47	38,96 / 38,38	5,84 / 6,00
37	49,86	63,50	69,40	47,09	55,25 / 54,84	5,84 / 6,00

Order Codes:

Plug Connector			Socket Connector		
3.1 mm Thru-Holes			3.1 mm Thru-Holes		
09	2104-0201-31	MHDF2-09-SP-SM	09	2104-0201-41	MHDF2-09-SS-SM
15	2104-0201-32	MHDF2-15-SP-SM	15	2104-0201-42	MHDF2-15-SS-SM
25	2104-0201-33	MHDF2-25-SP-SM	25	2104-0201-43	MHDF2-25-SS-SM
37	2104-0201-34	MHDF2-37-SP-SM	37	2104-0201-44	MHDF2-37-SS-SM
Plug Connector			Socket Connector		
Clinch Nuts			Clinch Nuts		
09	2104-0201-01	MHDF2-09-SP-TM	09	2104-0201-11	MHDF2-09-SS-TM
15	2104-0201-02	MHDF2-15-SP-TM	15	2104-0201-12	MHDF2-15-SS-TM
25	2104-0201-03	MHDF2-25-SP-TM	25	2104-0201-13	MHDF2-25-SS-TM
37	2104-0201-04	MHDF2-37-SP-TM	37	2104-0201-14	MHDF2-37-SS-TM

MH-HDS-Series – Solder Cup

Material Specification:

Insulator: Glass filled Polyester, Black
UL94 V-0

Shell: Stamped Steel, Tin Plated

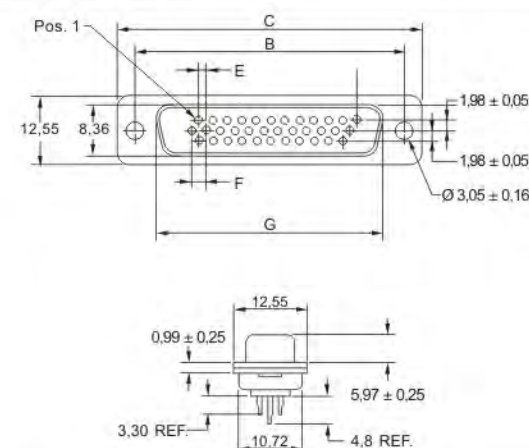
Contacts: **Stamped & Formed Pins:** Copper Alloy
100 inserts min.

Machined Pins: Copper Alloy
500 inserts min.

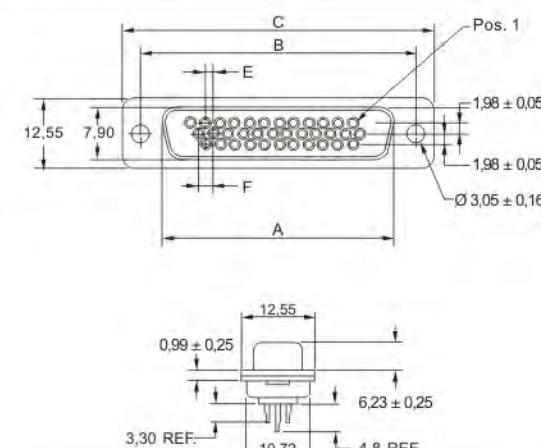
Contact Plating: Selective Gold over Nickel



Plug connector



Socket connector



Size	A	B	C	E	F	G
HD15	16,33	24,99	30,81	1,145	2,99	16,62
HD26	24,66	33,32	39,14	1,145	2,99	25,25
HD44	38,38	47,04	53,04	1,145	2,99	38,96
HD62	54,84	63,50	69,32	1,205	2,41	55,25

Order Codes:

Plug Connector	Stamped & Formed
15 2101-0300-01	MHHDS-15-M-T-B-S
26 2101-0300-02	MHHDS-26-M-T-B-S
44 2101-0300-03	MHHDS-44-M-T-B-S
62 2101-0300-04	MHHDS-62-M-T-B-S

Plug Connector	Machined Contacts
15 2101-0400-01	MHHDS-15-M-T-B-M
26 2101-0400-02	MHHDS-26-M-T-B-M
44 2101-0400-03	MHHDS-44-M-T-B-M
62 2101-0400-04	MHHDS-62-M-T-B-M

Socket Connector	Stamped & Formed
15 2101-0300-11	MHHDS-15-F-T-B-S
26 2101-0300-12	MHHDS-26-F-T-B-S
44 2101-0300-13	MHHDS-44-F-T-B-S
62 2101-0300-14	MHHDS-62-F-T-B-S

Socket Connector	Machined Contacts
15 2101-0400-11	MHHDS-15-F-T-B-M
26 2101-0400-12	MHHDS-26-F-T-B-M
44 2101-0400-13	MHHDS-44-F-T-B-M
62 2101-0400-14	MHHDS-62-F-T-B-M

MH-HDD-Series – DIP Solder (PCB-Type)

Material Specification:

Insulator: Glass filled Polyester, Black
UL94 V-0

Shell: Stamped Steel, Tin Plated

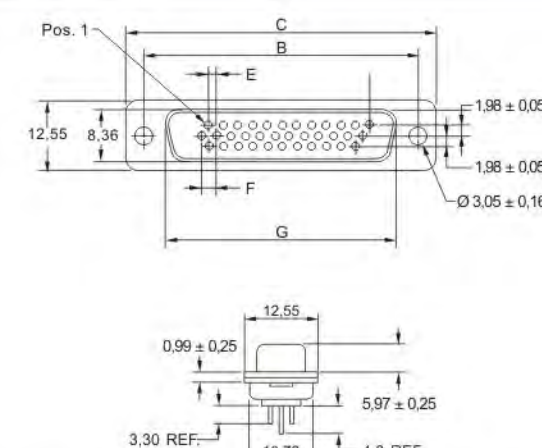
Contacts: **Stamped & Formed Pins:** Copper Alloy
100 inserts min.

Machined Pins: Copper Alloy
500 inserts min.

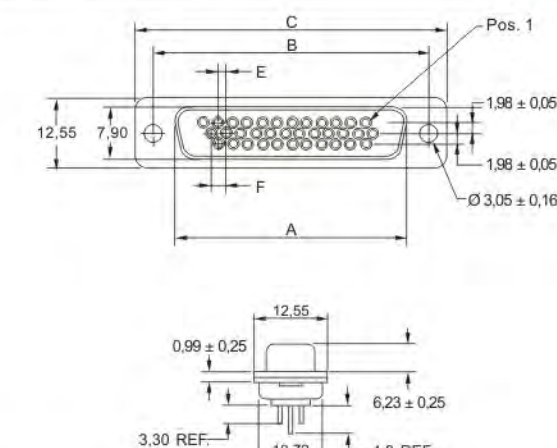
Contact Plating: Selective Gold over Nickel



Plug connector



Socket connector



Size	A	B	C	E	F	G
HD15	16,33	24,99	30,81	1,145	2,99	16,62
HD26	24,66	33,32	39,14	1,145	2,99	25,25
HD44	38,38	47,04	53,04	1,145	2,99	38,96
HD62	54,84	63,50	69,32	1,205	2,41	55,25

Order Codes:

Plug Connector	Stamped & Formed
15 2103-0300-01	MHHDD-15-M-T-B-S
26 2103-0300-02	MHHDD-26-M-T-B-S
44 2103-0300-03	MHHDD-44-M-T-B-S
62 2103-0300-04	MHHDD-62-M-T-B-S

Plug Connector	Machined Contacts
15 2103-0400-01	MHHDD-15-M-T-B-M
26 2103-0400-02	MHHDD-26-M-T-B-M
44 2103-0400-03	MHHDD-44-M-T-B-M
62 2103-0400-04	MHHDD-62-M-T-B-M

Socket Connector	Stamped & Formed
15 2103-0300-11	MHHDD-15-F-T-B-S
26 2103-0300-12	MHHDD-26-F-T-B-S
44 2103-0300-13	MHHDD-44-F-T-B-S
62 2103-0300-14	MHHDD-62-F-T-B-S

Socket Connector	Machined Contacts
15 2103-0400-11	MHHDD-15-F-T-B-M
26 2103-0400-12	MHHDD-26-F-T-B-M
44 2103-0400-13	MHHDD-44-F-T-B-M
62 2103-0400-14	MHHDD-62-F-T-B-M

SUB-D CONNECTORS

MHD-SERIES

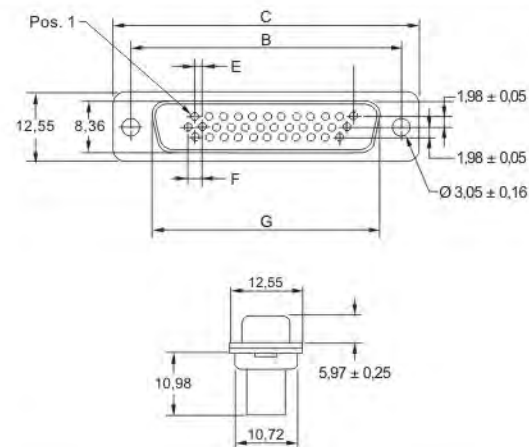
MH-HDBC-Series – D-Crimp Connectors

Material Specification:

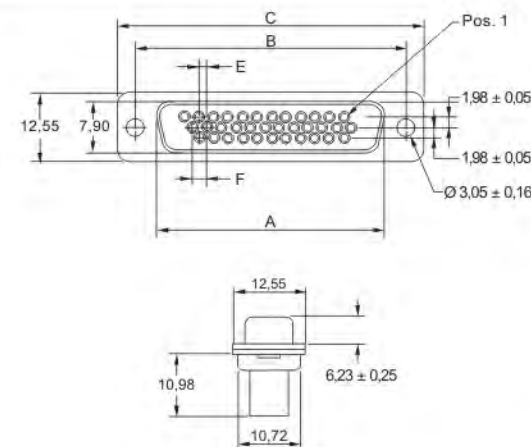
Insulator:	Glass filled Polyester, Black UL94 V-0
Shell:	Stamped Steel, Tin Plated
Contacts:	Copper Alloy, Stamped & Formed Pins 100 inserts min.
Contact Plating:	Selective Gold over Nickel



Plug connector



Socket connector



Size	A	B	C	E	F	G
HD15	16,33	24,99	30,81	16,92	11,08	8,31
HD26	24,66	33,32	39,14	25,25	19,39	16,62
HD44	38,38	47,04	53,04	38,96	33,24	30,47
HD62	54,84	63,50	69,32	55,25	49,86	47,09

Size 78 available on request.

Order Codes:

Plug Connector

15	2101-0390-01	MHHDBC15-SP
26	2101-0390-02	MHHDBC26-SP
44	2101-0390-03	MHHDBC44-SP
62	2101-0390-04	MHHDBC62-SP

Socket Connector

15	2101-0390-11	MHHDBC15-SS
26	2101-0390-12	MHHDBC26-SS
44	2101-0390-13	MHHDBC44-SS
62	2101-0390-14	MHHDBC62-SS

Order Codes: CRIMP Contacts, AWG 24-28

Crimp Contacts on REEL - 5000pcs

Male Contacts	2101-0199-21	MH-HDBCTMR
Female Contacts	2101-0199-31	MH-HDBCTFR

Other AWG available on request



SUB-D CONNECTORS

MH105-SERIES

MH105-Series – IDC-Sub Connectors

Material Specification:

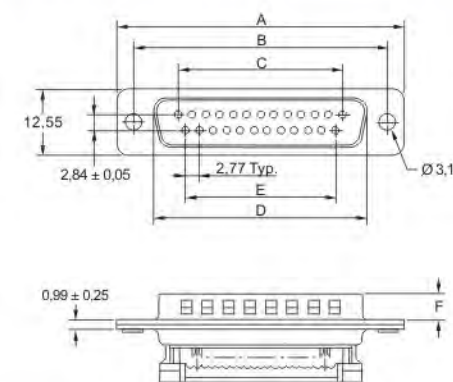
Insulator:	Glass filled Polyester, Black UL94 V-0
Shell:	Stamped Steel Tin Plated
Contacts:	Copper Alloy
Contact Plating:	1,5 micron Tin and 0,2 micron Gold

Electrical Specification:

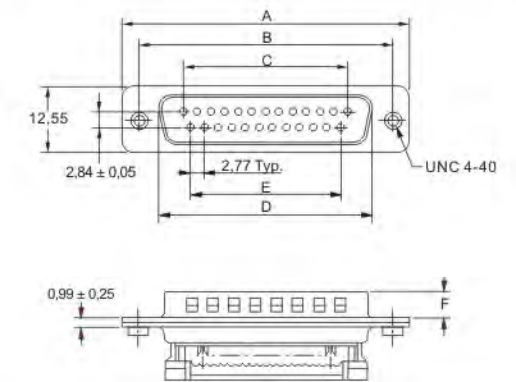
Working current:	1,5 A
Test Voltage:	1000 V
Insulation Resistance:	500 MΩ
Contact Resistance:	less than 10 mΩ
Temperature Range:	-55 to +125 °C



With 3.1 mm Thru-Holes



With Clinch Nuts



Size:	A	B	C	D (Plug/Socket)	E	F (Plug/Socket)
9	30,81	24,99	11,08	16,92 / 16,33	8,31	5,90 / 6,23
15	39,14	33,32	19,39	25,25 / 24,66	16,62	5,90 / 6,23
25	53,04	47,04	33,24	38,96 / 38,38	30,47	5,90 / 6,23
37	69,36	63,50	49,86	55,25 / 54,84	47,09	5,90 / 6,23

Order Codes:

Plug Connector	3.1 mm Thru-Holes
09	1701-0300-01 MH10551
15	1701-0300-02 MH10552
25	1701-0300-03 MH10553
37	1701-0300-04 MH10554

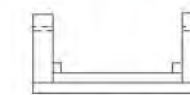
Socket Connector	3.1 mm Thru-Holes
09	1701-0300-11 MH10575
15	1701-0300-12 MH10576
25	1701-0300-13 MH10577
37	1701-0300-14 MH10578

Plug Connector	Clinch Nuts
09	1701-0300-21 MH10567
15	1701-0300-22 MH10568
25	1701-0300-23 MH10569
37	1701-0300-24 MH10570

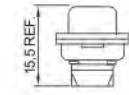
Socket Connector	Clinch Nuts
09	1701-0300-31 MH10591
15	1701-0300-32 MH10592
25	1701-0300-33 MH10593
37	1701-0300-34 MH10594

Order Code - Strain Relief Bars

09	1711-0100-01	MH10175
15	1711-0100-02	MH10176
25	1711-0100-03	MH10177
37	1711-0100-04	MH10178



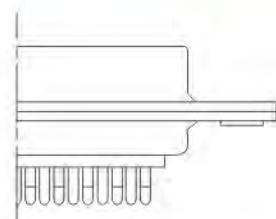
Strain Relief Bar



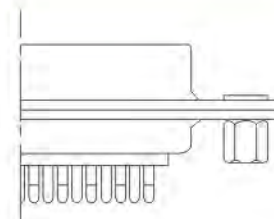
Standard IDC



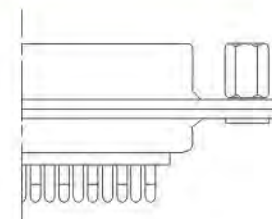
With Strain Relief Bar



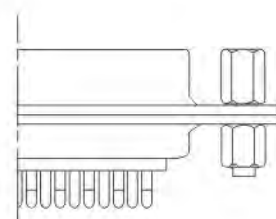
Option X (Standard)
Ø 3.05mm Holes



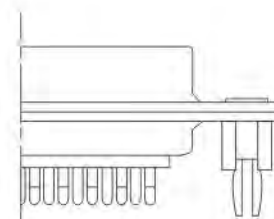
Option K
Fixed Clinch Nuts
UNC 4-40 Thread



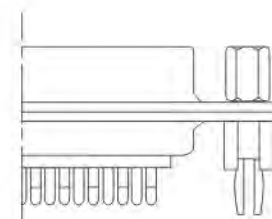
Option J
Fixed Jackscrews
UNC 4-40 Thread



Option KJ
Jackscrews and Clinch Nuts
UNC 4-40 Thread



Option BR
Riveted Brackets
UNC 4-40 Thread



Option BRJ
Riveted Brackets & Jackscrews
UNC 4-40 Thread

Series:	Mounting Options Available:
MH-DB	X (Standard), K, J, KJ
MH-DM	X (Standard), K, J, KJ
MH-DBC	X (Standard), K, J, KJ
MH-DD Stamped & Formed, Straight	X (Standard), K, J, KJ, BR, BRJ
MH-DD Machined Pins, Straight	X (Standard), K, J, KJ
MH-DD Machined Pins, Angled	X (Standard), K, J, KJ
MH-HDD Stamped & Formed	X (Standard), K, J, KJ, BR, BRJ
MH-HDD Machined Pins	X (Standard), K, J, KJ, BR, BRJ
MH-HDS Stamped & Formed	X (Standard), K, J, KJ
MH-HDS Machined Pins	X (Standard), K, J, KJ
MH-HDBC	X (Standard), K, J,

Technical Data

Material Specifications:

Insulator:	Self extinguishing TP, UL94 V-0
Shell:	Steel, Tin Plated, Plug with dimples
Contacts:	Copper Alloy
Contact Plating:	Hard Gold plated over Nickel
Quality Class:	Class 2 (standard) Other on request

Electrical Specifications:

Test Voltage:	1000 V
Working Voltage:	
Standard Sub-D & IDC:	125 V
High Density Sub-D:	60 V
Current Rating:	
Standard Sub-D:	5 Amp
IDC Connector:	1 Amp
High Density Sub-D:	3 Amp
Contact Resistance:	Max. 10mΩ before strain ΔR max. 10mΩ after strain DIN 41652, part 2 (MIL-C-24308)
Insulation Resistance:	≤ 5GΩ
Clearance & Creepage distance:	
Standard Sub-D:	Contact – contact > 1.0 mm Contact – ground > 1.0 mm
High Density Sub-D:	Contact – contact > 0.6 mm Contact – ground > 0.6 mm
Operating Temperature:	– 55 to +125°C
Quality Classes:	1 – 500 mating cycles (0,8μ Au) 2 – 200 mating cycles (0,2μ Au) S – 200 mating cycles (selective Au)

High Quality Sub-D Contents:

Solder Cup	58
Solder Pin Straight (PCB)	59
Solder Pin Crooked for PCB 1.6mm	60
Wire Wrap	61
90° Angled Solder Pin, 9.4 mm	62
90° Angled Solder Pin, 7.18 mm	63
90° Angled Solder Pin, Eurostyle, 8.4 mm	64
Crimp Connector Housings	65
Crimp Contacts	66
IDC Connectors	67
SMD Connectors, 90° Angled	68
High Density Solder Cup	71
High Density Solder Pin Straight (PCB)	72
90° Angled High Density Solder Pin, 7.9mm	73

SUB-D CONNECTORS

High Quality Machined Pins

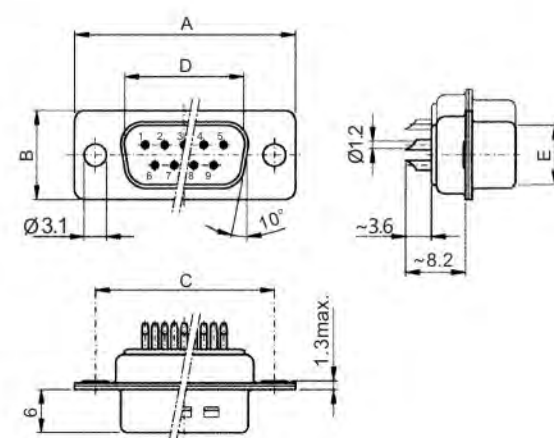
Solder cup

Machined contacts / Suitable for cable AWG 18
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

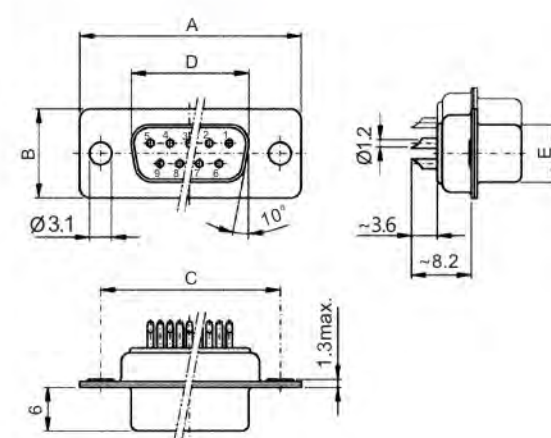


Plug connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.79	08.23
15	39.20	12.40	33.30	25.12	08.23
25	53.10	12.40	47.00	38.84	08.23
37	69.50	12.40	63.50	55.30	08.23
50	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.46	08.02
15	39.20	12.40	33.30	24.79	08.02
25	53.10	12.40	47.00	38.50	08.02
37	69.50	12.40	63.50	54.96	08.02
50	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector	
09	3301-0100-01
15	3301-0100-02
25	3301-0100-03
37	3301-0100-04
50	3301-0100-05

Socket Connector	
09	3301-0100-11
15	3301-0100-12
25	3301-0100-13
37	3301-0100-14
50	3301-0100-15

SUB-D CONNECTORS

High Quality Machined Pins

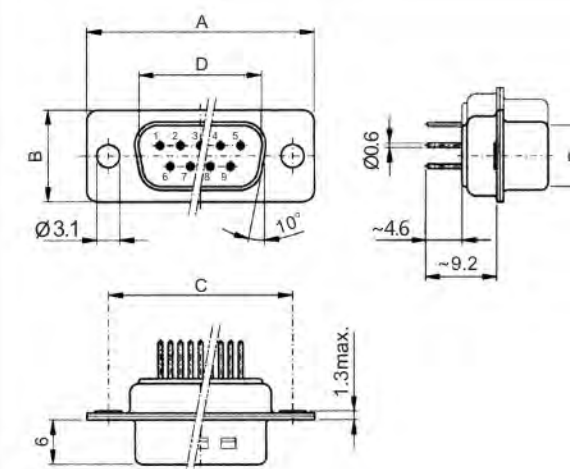
Solder pin Straight

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

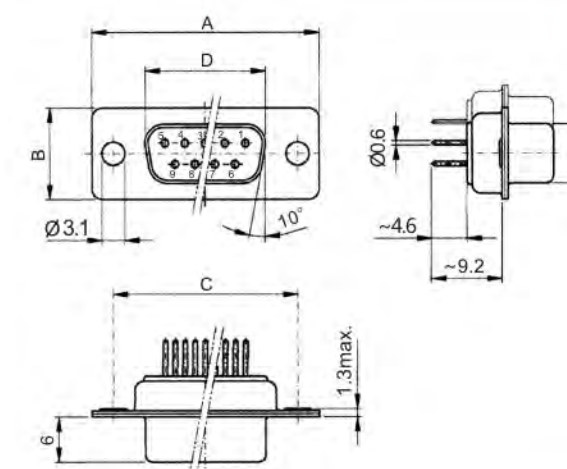


Plug connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.79	08.23
15	39.20	12.40	33.30	25.12	08.23
25	53.10	12.40	47.00	38.84	08.23
37	69.50	12.40	63.50	55.30	08.23
50	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.46	08.02
15	39.20	12.40	33.30	24.79	08.02
25	53.10	12.40	47.00	38.50	08.02
37	69.50	12.40	63.50	54.96	08.02
50	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector	
09	3301-0200-01
15	3301-0200-02
25	3301-0200-03
37	3301-0200-04
50	3301-0200-05

Socket Connector	
09	3301-0200-11
15	3301-0200-12
25	3301-0200-13
37	3301-0200-14
50	3301-0200-15

SUB-D CONNECTORS

High Quality Machined Pins

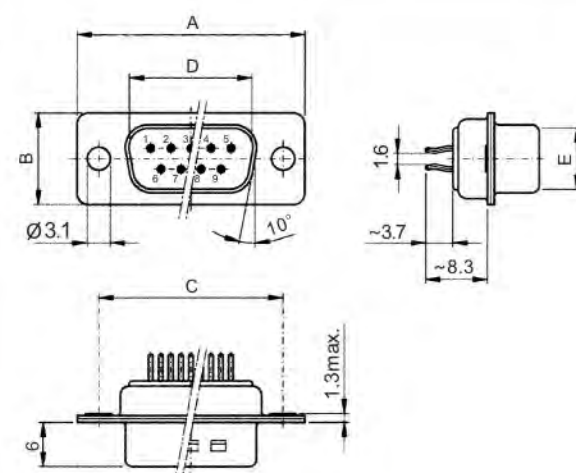
Solder pin Crooked

Machined contacts / For PCB 1.6 mm
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

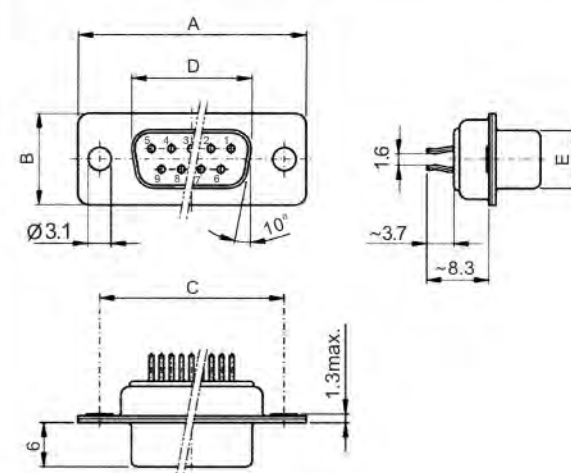


Plug connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.79	08.23
15	39.20	12.40	33.30	25.12	08.23
25	53.10	12.40	47.00	38.84	08.23
37	69.50	12.40	63.50	55.30	08.23

Socket connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.46	08.02
15	39.20	12.40	33.30	24.79	08.02
25	53.10	12.40	47.00	38.50	08.02
37	69.50	12.40	63.50	54.96	08.02

Order Codes:

Plug Connector	
09	3301-0300-01
15	3301-0300-02
25	3301-0300-03
37	3301-0300-04

Socket Connector	
09	3301-0300-11
15	3301-0300-12
25	3301-0300-13
37	3301-0300-14

SUB-D CONNECTORS

High Quality Machined Pins

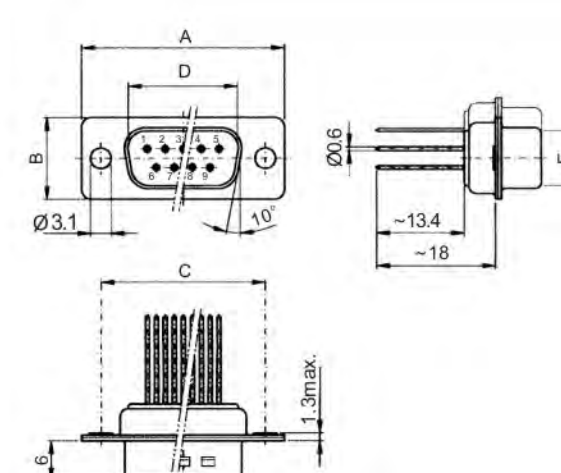
Wire Wrap

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

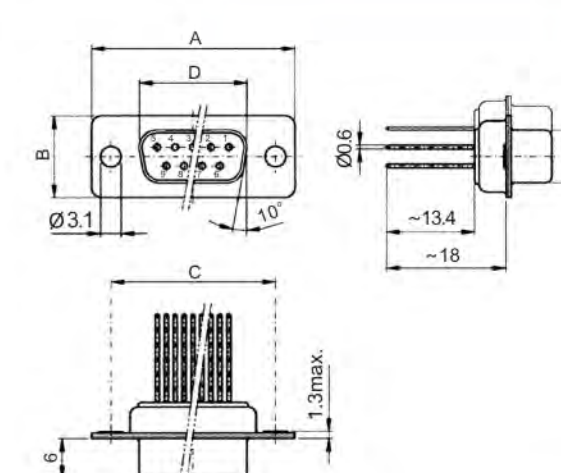


Plug connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.79	08.23
15	39.20	12.40	33.30	25.12	08.23
25	53.10	12.40	47.00	38.84	08.23
37	69.50	12.40	63.50	55.30	08.23
50	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.46	08.02
15	39.20	12.40	33.30	24.79	08.02
25	53.10	12.40	47.00	38.50	08.02
37	69.50	12.40	63.50	54.96	08.02
50	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector	
09	3302-0100-01
15	3302-0100-02
25	3302-0100-03
37	3302-0100-04
50	3302-0100-05

Socket Connector	
09	3302-0100-11
15	3302-0100-12
25	3302-0100-13
37	3302-0100-14
50	3302-0100-15

SUB-D CONNECTORS

High Quality Machined Pins

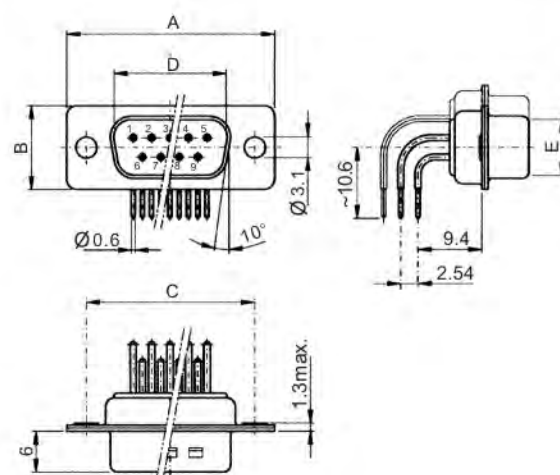
90° Angled Solder Pin, 9.4 mm

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

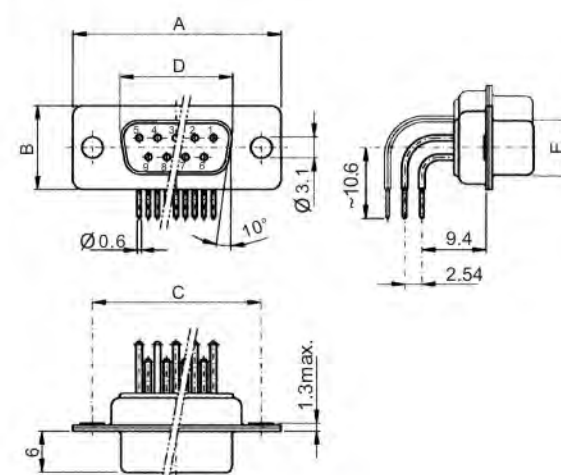


Plug connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.79	08.23
15	39.20	12.40	33.30	25.12	08.23
25	53.10	12.40	47.00	38.84	08.23
37	69.50	12.40	63.50	55.30	08.23
50	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.46	08.02
15	39.20	12.40	33.30	24.79	08.02
25	53.10	12.40	47.00	38.50	08.02
37	69.50	12.40	63.50	54.96	08.02
50	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector	
09	3301-0400-01
15	3301-0400-02
25	3301-0400-03
37	3301-0400-04
50	3301-0400-05

Socket Connector	
09	3301-0400-11
15	3301-0400-12
25	3301-0400-13
37	3301-0400-14
50	3301-0400-15

SUB-D CONNECTORS

High Quality Machined Pins

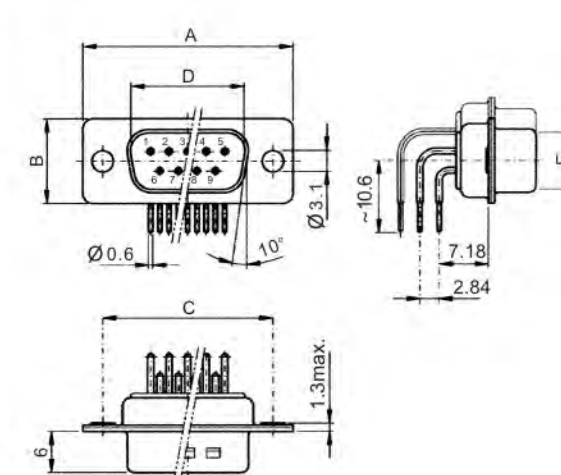
90° Angled Solder Pin, 7.18 mm

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

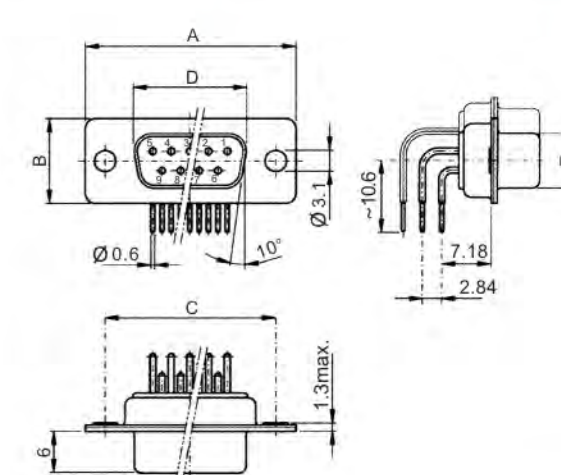


Plug connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.79	08.23
15	39.20	12.40	33.30	25.12	08.23
25	53.10	12.40	47.00	38.84	08.23
37	69.50	12.40	63.50	55.30	08.23
50	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.46	08.02
15	39.20	12.40	33.30	24.79	08.02
25	53.10	12.40	47.00	38.50	08.02
37	69.50	12.40	63.50	54.96	08.02
50	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector	
09	3301-0500-01
15	3301-0500-02
25	3301-0500-03
37	3301-0500-04
50	3301-0500-05

Socket Connector	
09	3301-0500-11
15	3301-0500-12
25	3301-0500-13
37	3301-0500-14
50	3301-0500-15

SUB-D CONNECTORS

High Quality Machined Pins

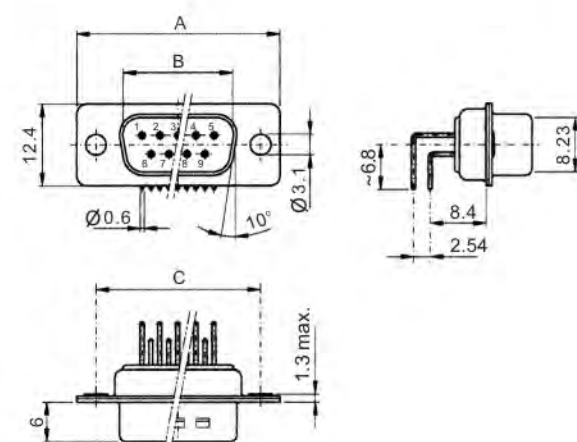
90° Angled Solder Pin, 8.4 mm

Machined contacts / Eurostyle
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

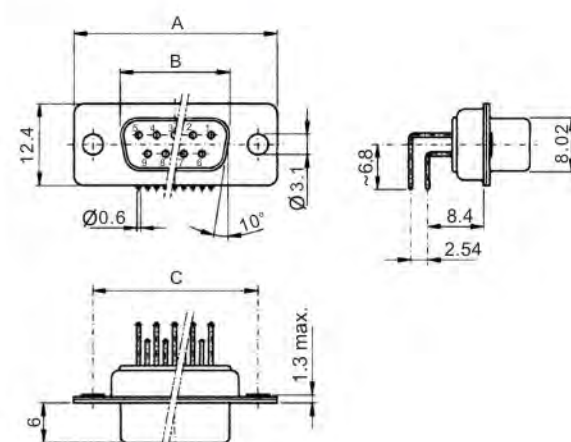


Plug connector



Size	A	B	C
09	30.80	12.40	25.00
15	39.20	12.40	33.30
25	53.10	12.40	47.00
37	69.50	12.40	63.50
50	67.00	15.40	61.10

Socket connector



Size	A	B	C
09	30.80	12.40	25.00
15	39.20	12.40	33.30
25	53.10	12.40	47.00
37	69.50	12.40	63.50
50	67.00	15.40	61.10

Order Codes:

Plug Connector	
09	3301-0600-01
15	3301-0600-02
25	3301-0600-03
37	3301-0600-04
50	3301-0600-05

Socket Connector	
09	3301-0600-11
15	3301-0600-12
25	3301-0600-13
37	3301-0600-14
50	3301-0600-15

SUB-D CONNECTORS

High Quality Machined Pins

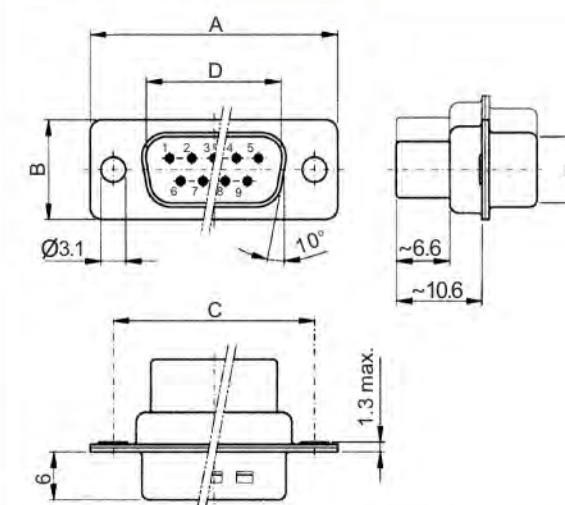
Housing for Crimp contacts

Tinned Shell as Standard
Other Plating on request.
Crimp contacts listed on following page.

Technical Information on page 57
Mounting options on page 92-100

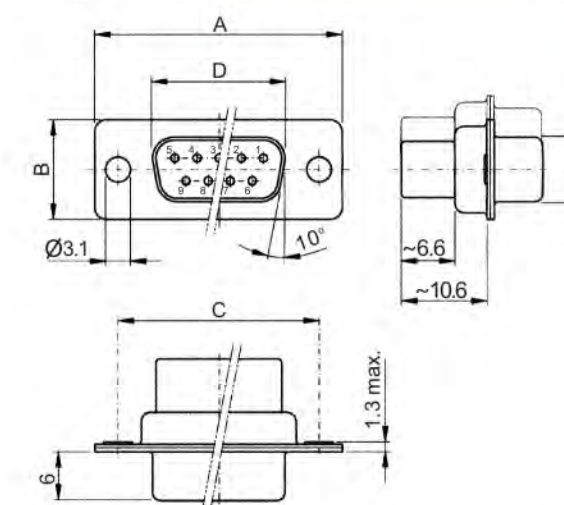


Plug connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.79	08.23
15	39.20	12.40	33.30	25.12	08.23
25	53.10	12.40	47.00	38.84	08.23
37	69.50	12.40	63.50	55.30	08.23
50	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
09	30.80	12.40	25.00	16.46	08.02
15	39.20	12.40	33.30	24.79	08.02
25	53.10	12.40	47.00	38.50	08.02
37	69.50	12.40	63.50	54.96	08.02
50	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector	
09	3303-0100-01
15	3303-0100-02
25	3303-0100-03
37	3303-0100-04
50	3303-0100-05

Socket Connector	
09	3303-0100-11
15	3303-0100-12
25	3303-0100-13
37	3303-0100-14
50	3303-0100-15

SUB-D CONNECTORS

High Quality Machined Pins

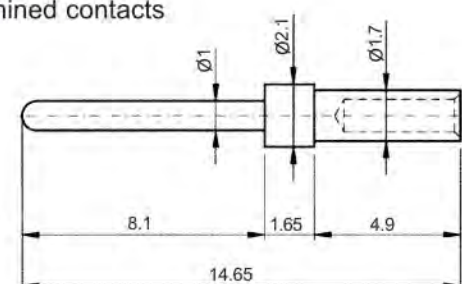
Crimp contacts

Suitable for AWG 24-20 and AWG 28-24
Class 3 as standard. Other classes on request.

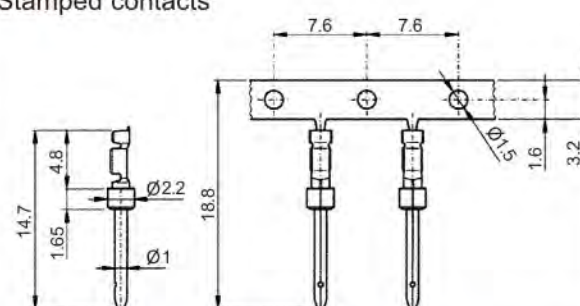


Plug connector

PX Machined contacts

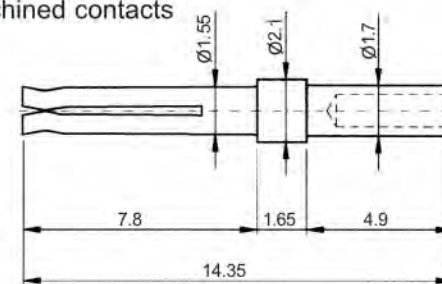


P-XA Stamped contacts

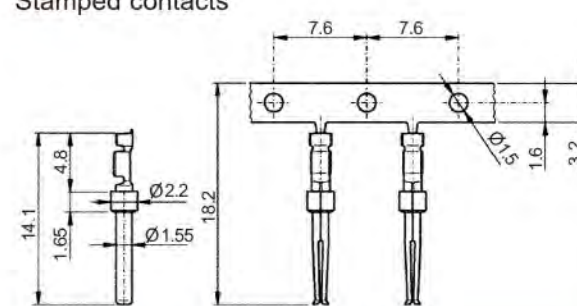


Socket connector

SX Machined contacts



S-XA Stamped contacts



Order Codes:

Plug Contacts, Machined

AWG 20-24	0.20-0.60 mm ²	3303-0199-21
AWG 24-28	0.08-0.20 mm ²	3303-0199-22

Plug Contacts, Stamped & Formed (REEL)

Size:	Direction:	Part No:
AWG 20-24	Left	3303-0199-01
AWG 20-24	Right	3303-0199-41
AWG 24-28	Left	3303-0199-02
AWG 24-28	Right	3303-0199-42

REEL: Standard 10.000 contacts, class 3

Socket Contacts, Machined

AWG 20-24	0.20-0.60 mm ²	3303-0199-31
AWG 24-28	0.08-0.20 mm ²	3303-0199-32

Socket Contacts, Stamped & Formed (REEL)

Size:	Direction:	Part No:
AWG 20-24	Left	3303-0199-11
AWG 20-24	Right	3303-0199-51
AWG 24-28	Left	3303-0199-12
AWG 24-28	Right	3303-0199-52

SUB-D CONNECTORS

High Quality Machined Pins

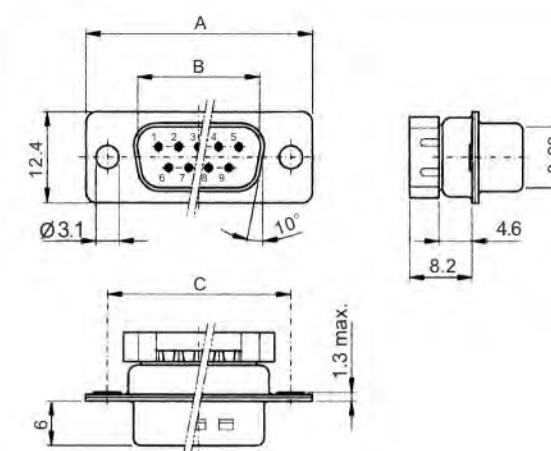
IDC Connectors (Flat Cable)

Stamped & Formed contacts, suitable for AWG 28-26
Tinned Shell as Standard
Class 3 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

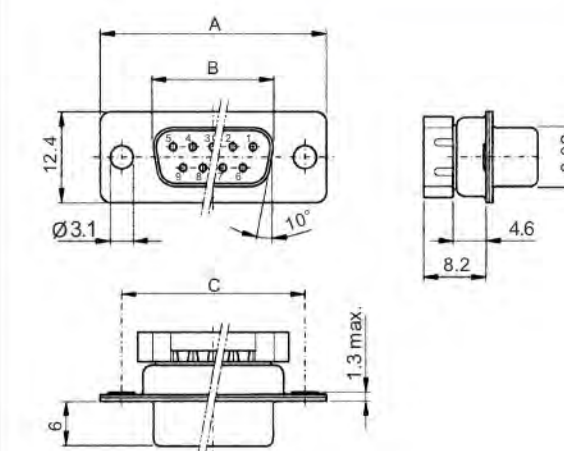


Plug connector



Size	A	B	C
09	30.80	16.79	25.00
15	39.20	25.12	33.30
25	53.10	38.84	47.00
37	69.50	55.30	63.50

Socket connector



Size	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

Order Codes:

Plug Connector

09	3304-0100-01
15	3304-0100-02
25	3304-0100-03
37	3304-0100-04

Socket Connector

09	3304-0100-11
15	3304-0100-12
25	3304-0100-13
37	3304-0100-14

Strain Relief:

09	3304-1000-01
15	3304-1000-02
25	3304-1000-03
37	3304-1000-04



SUB-D CONNECTORS

High Quality Machined Pins

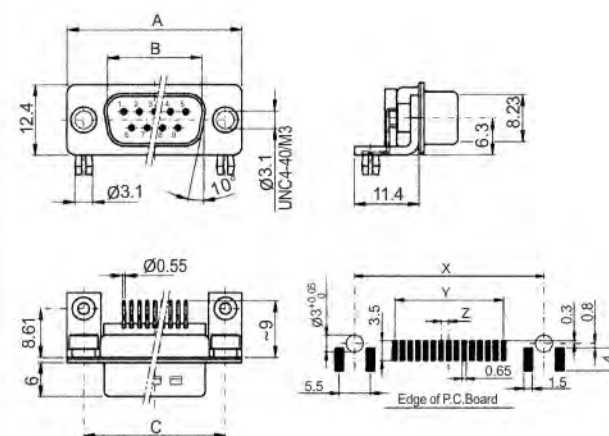
90° SMD Connectors

Machined contacts, Mounting height 6.3 mm
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57

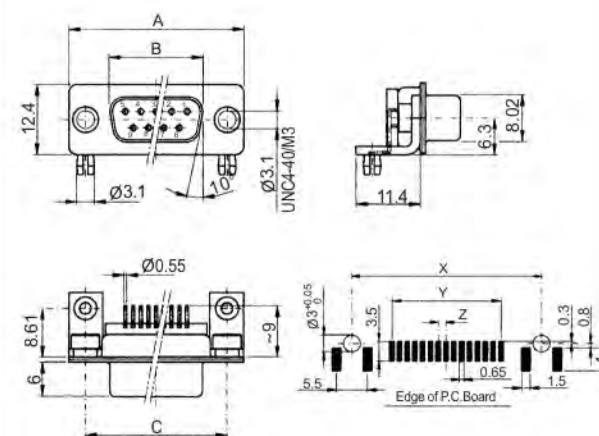


Plug connector



Size	A	B	C/X	Y	Z
09	30.80	16.79	25.00	10.98	1.37
15	39.20	25.12	33.30	19.20	1.37
25	53.10	38.84	47.00	33.12	1.38
37	69.50	55.30	63.50	49.68	1.38

Socket connector



Size	A	B	C/X	Y	Z
09	30.80	16.46	25.00	10.98	1.37
15	39.20	24.79	33.30	19.20	1.37
25	53.10	38.50	47.00	33.12	1.38
37	69.50	54.96	63.50	49.68	1.38

Order Codes:

Plug Connector	
09	3320-0100-01
15	3320-0100-02
25	3320-0100-03
37	3320-0100-04

Socket Connector	
09	3320-0100-11
15	3320-0100-12
25	3320-0100-13
37	3320-0100-14

SUB-D CONNECTORS

High Quality Machined Pins

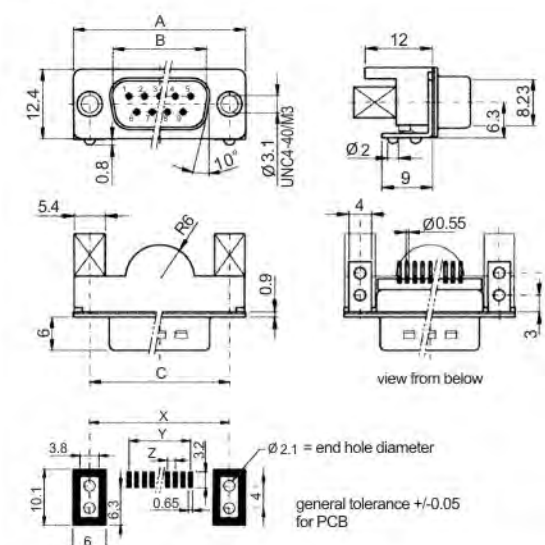
90° SMD Connectors - Tape & Reel

Machined contacts, Mounting height 6.3 mm
Tinned Shell as Standard
Class 2 connector pins as Standard
UNC 4-40 Thread type, M3 available on request.
Other Plating and/or class on request.

Technical Information on page 57

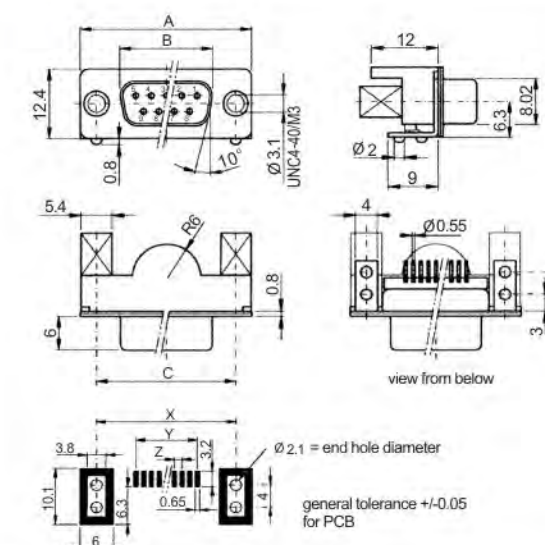


Plug connector



Size	A	B	C/X	Y	Z
09	30.80	16.79	25.00	10.98	1.37
15	39.20	25.12	33.30	19.20	1.37
25	53.10	38.84	47.00	33.12	1.38
37	69.50	55.30	63.50	49.68	1.38

Socket connector



Size	A	B	C/X	Y	Z
09	30.80	16.46	25.00	10.98	1.37
15	39.20	24.79	33.30	19.20	1.37
25	53.10	38.50	47.00	33.12	1.38
37	69.50	54.96	63.50	49.68	1.38

Order Codes:

Plug Connector	
09	3320-0102-01
15	3320-0102-02
25	3320-0102-03
37	3320-0102-04

Socket Connector	
09	3320-0102-11
15	3320-0102-12
25	3320-0102-13
37	3320-0102-14

Reel Outer Diameter: 330 mm
Amount of Connectors: 150 pcs / reel

SUB-D CONNECTORS

High Quality Machined Pins

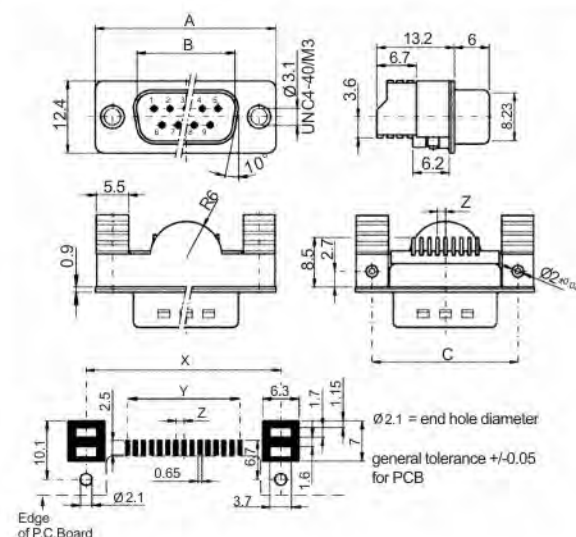
90° SMD Connectors - Tape & Reel

Machined contacts, Mounting height 3.6 mm
Tinned Shell as Standard
Class 2 connector pins as Standard
UNC 4-40 Thread type, M3 available on request.
Other Plating and/or class on request.

Technical Information on page 57

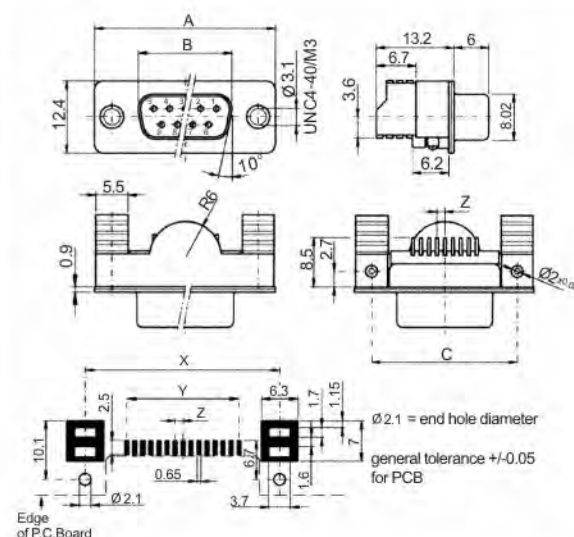


Plug connector



Size	A	B	C/X	Y	Z
09	30.80	16.79	25.00	10.98	1.37
15	39.20	25.12	33.30	19.20	1.37
25	53.10	38.84	47.00	33.12	1.38
37	69.50	55.30	63.50	49.68	1.38

Socket connector



Size	A	B	C/X	Y	Z
09	30.80	16.46	25.00	10.98	1.37
15	39.20	24.79	33.30	19.20	1.37
25	53.10	38.50	47.00	33.12	1.38
37	69.50	54.96	63.50	49.68	1.38

Order Codes:

Plug Connector

09	3320-0101-01
15	3320-0101-02
25	3320-0101-03
37	3320-0101-04

Socket Connector

09	3320-0101-11
15	3320-0101-12
25	3320-0101-13
37	3320-0101-14

Reel Outer Diameter: 330 mm
Amount of Connectors: 150 pcs / reel

SUB-D CONNECTORS

High Quality Machined Pins

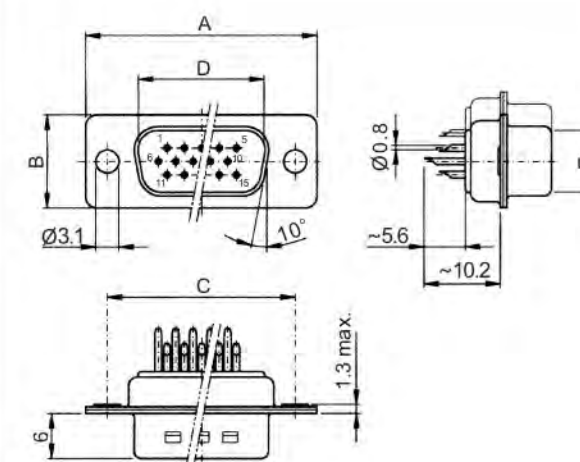
High-Density Solder Cup

Machined contacts / Suitable cable AWG 20
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

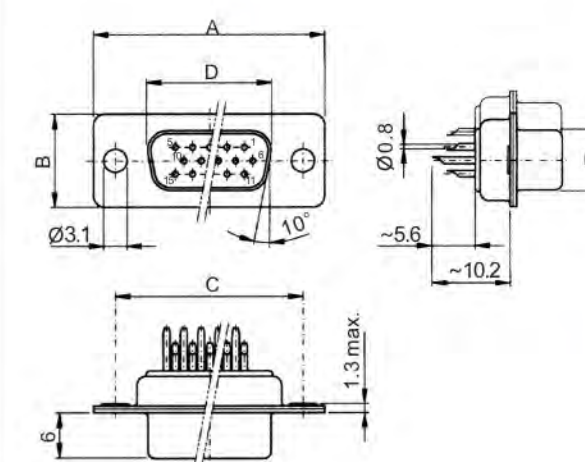


Plug connector



Size	A	B	C	D	E
15	30.80	12.40	25.00	16.79	08.23
26	39.20	12.40	33.30	25.12	08.23
44	53.10	12.40	47.00	38.84	08.23
62	69.50	12.40	63.50	55.30	08.23

Socket connector



Size	A	B	C	D	E
15	30.80	12.40	25.00	16.46	08.02
26	39.20	12.40	33.30	24.79	08.02
44	53.10	12.40	47.00	38.50	08.02
62	69.50	12.40	63.50	54.96	08.02

Order Codes:

Plug Connector

15	3301-0110-01
26	3301-0110-02
44	3301-0110-03
62	3301-0110-04

Socket Connector

15	3301-0110-11
26	3301-0110-12
44	3301-0110-13
62	3301-0110-14

SUB-D CONNECTORS

High Quality Machined Pins

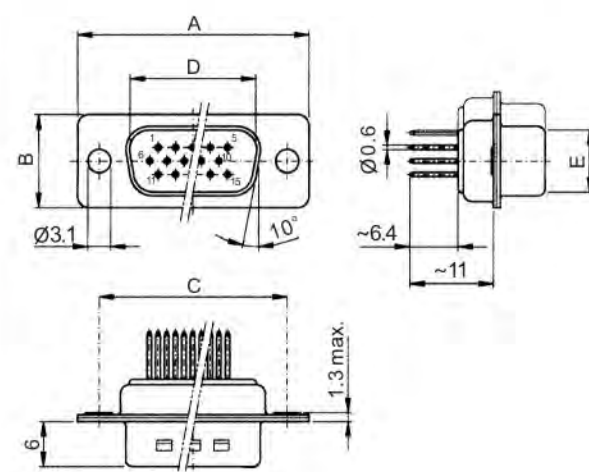
High-Density Solder Pin Straight

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

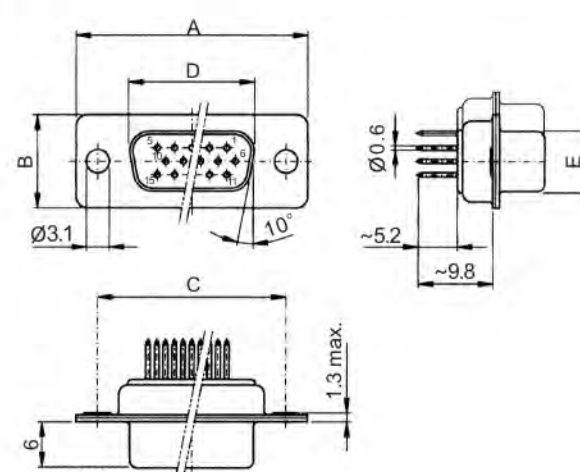


Plug connector



Size	A	B	C	D	E
15	30.80	12.40	25.00	16.79	08.23
26	39.20	12.40	33.30	25.12	08.23
44	53.10	12.40	47.00	38.84	08.23
62	69.50	12.40	63.50	55.30	08.23

Socket connector



Size	A	B	C	D	E
15	30.80	12.40	25.00	16.46	08.02
26	39.20	12.40	33.30	24.79	08.02
44	53.10	12.40	47.00	38.50	08.02
62	69.50	12.40	63.50	54.96	08.02

Order Codes:

Plug Connector	
15	3301-0210-01
26	3301-0210-02
44	3301-0210-03
62	3301-0210-04

Socket Connector	
15	3301-0210-11
26	3301-0210-12
44	3301-0210-13
62	3301-0210-14

SUB-D CONNECTORS

High Quality Machined Pins

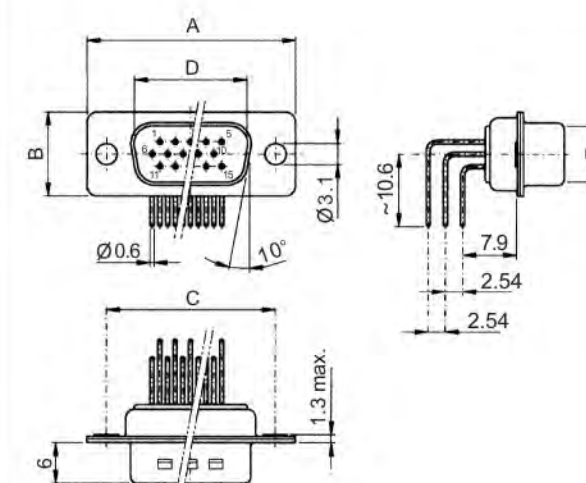
90° High-Density Solder Pin, 7.9 mm

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 57
Mounting options on page 92-100

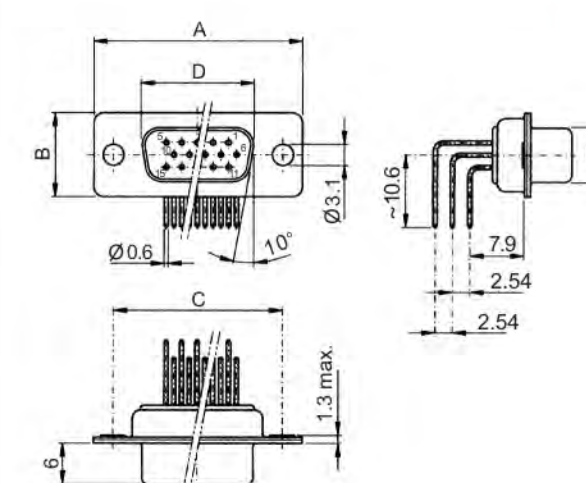


Plug connector



Size	A	B	C	D	E
15	30.80	12.40	25.00	16.79	08.23
26	39.20	12.40	33.30	25.12	08.23
44	53.10	12.40	47.00	38.84	08.23
62	69.50	12.40	63.50	55.30	08.23

Socket connector



Size	A	B	C	D	E
15	30.80	12.40	25.00	16.46	08.02
26	39.20	12.40	33.30	24.79	08.02
44	53.10	12.40	47.00	38.50	08.02
62	69.50	12.40	63.50	54.96	08.02

Order Codes:

Plug Connector	
15	3301-0310-01
26	3301-0310-02
44	3301-0310-03
62	3301-0310-04

Socket Connector	
15	3301-0310-11
26	3301-0310-12
44	3301-0310-13
62	3301-0310-14

Introduction to Filter Connectors

Filter Connectors are available in FP, FT & PI versions.

FP: Planar Filter Type

FT: Tubular Type

PI: Pi Tubular Filter Type - On request

Our Filter Connectors are especially designed for Industrial Applications. They provide excellent protection against EMI/RFI. By using standard components - a cost effective production can be achieved as well as 100% compatibility with wquivalent products according to DIN 41652, ML-C-24308 and IEC 807F-2.

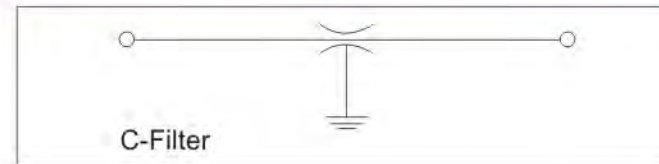
Planar Filter Types (FP) are equipped with planar chip capacitors. (ceramic material X7R).

Tubular Filter Types (FP) are equipped with planar chip capacitors. (ceramic material X7R).

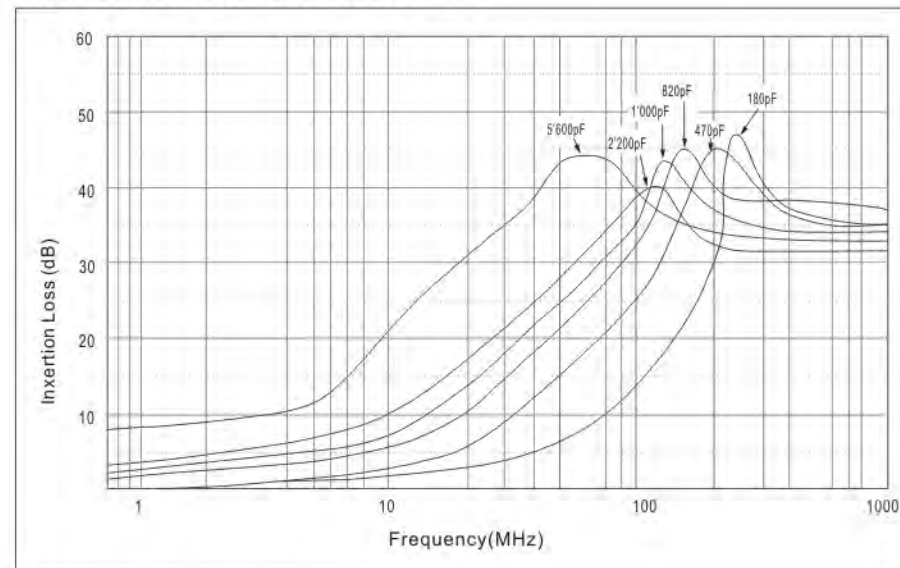
Pi Tubular Filter Types (PI) are equipped with Pi Tubular capacitors.

The capacitors are metalized on the back side to guarantee a high HF-tightness.

Standard value is 1000pF, but other values can be supplied upon request.



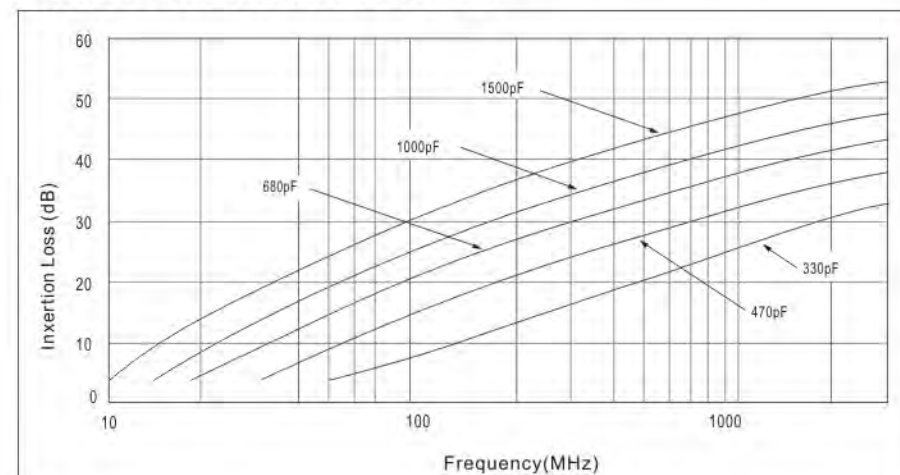
Attenuation characteristics - FP



Technical Data (FP)

Insulator:	UL 94 V-0 Thermoplastic
Contacts:	Copper Alloy
Plating:	Hard Gold over Nickel
Shell:	Steel, Tin plated
Test Voltage V.r.m.s./NM:	250V DC
Working Voltage:	1000V DC
Current Rating:	5A (20°C)
Contact Resistance:	max 10mΩ before strain ΔR max 10mΩ after strain
Insulation Resistance:	≥ 5GΩ at 100V DC
Clearance & Creepage:	contact-contact > 1.0mm contact-ground > 1.0mm
Operating Temperature:	-55°C to +125°C

Attenuation characteristics - FT



Technical Data (FP)

Insulator:	UL 94 V-0 Thermoplastic
Contacts:	Copper Alloy
Plating:	Hard Gold over Nickel
Shell:	Steel, Tin plated
Test Voltage V.r.m.s./NM:	250V DC
Working Voltage:	100V DC
Current Rating:	5A (20°C)
Contact Resistance:	max 10mΩ before strain ΔR max 10mΩ after strain
Insulation Resistance:	≥ 1GΩ at 100V DC
Clearance & Creepage:	contact-contact > 1.0mm contact-ground > 1.0mm
Operating Temperature:	-55°C to +125°C

Solder cup (FP)

Machined contacts / Suitable for cable AWG 22

Tinned Shell as Standard

Class 2 connector pins as Standard

Other class on request.

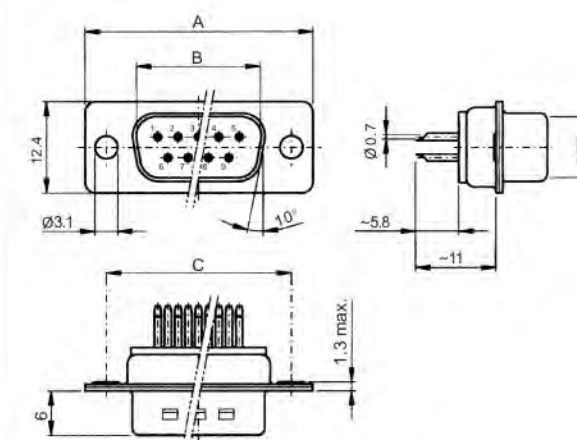
1000pF as standard. Other on request.

Technical Information on page 74

Mounting options on page 92-100

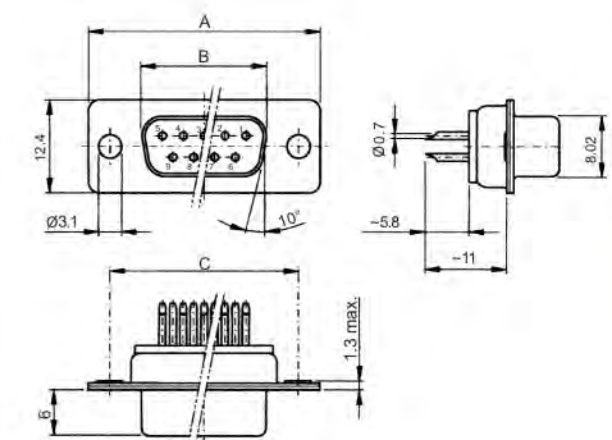


Plug connector



Size	A	B	C
09	30.80	16.79	25.00
15	39.20	25.12	33.30
25	53.10	38.84	47.00
37	69.50	55.30	63.50

Socket connector



Size	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

Order Codes:

Plug Connector

09	3305-0100-01
15	3305-0100-02
25	3305-0100-03
37	3305-0100-04

Socket Connector

09	3305-0100-11
15	3305-0100-12
25	3305-0100-13
37	3305-0100-14

Solder Pin, Straight (FP)

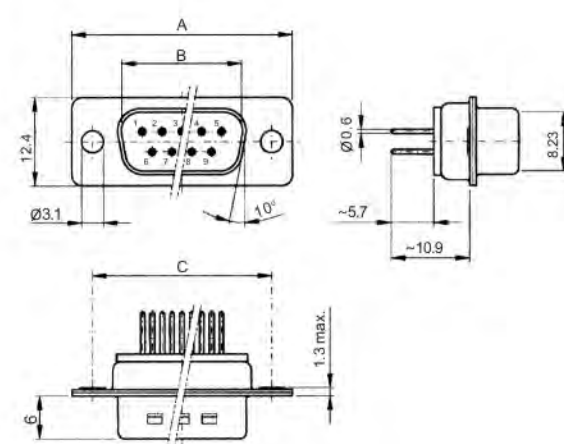
Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other class on request.
1000pF as standard. Other on request.

Available in Tubular- or Pi Tubular Filter Type (FT/PI) on request.

Technical Information on page 74
Mounting options on page 92-100

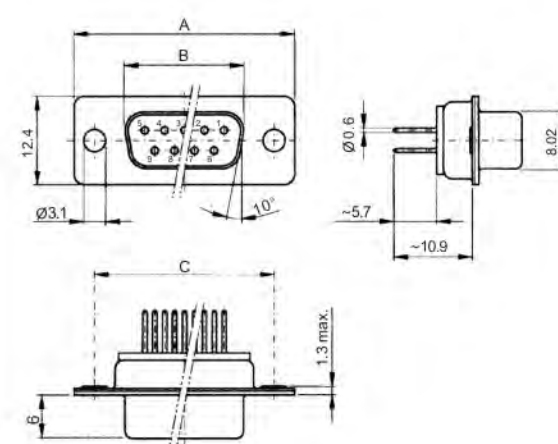


Plug connector



Size	A	B	C
09	30.80	16.79	25.00
15	39.20	25.12	33.30
25	53.10	38.84	47.00
37	69.50	55.30	63.50

Socket connector



Size	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

Order Codes:

Plug Connector	
09	3305-0200-01
15	3305-0200-02
25	3305-0200-03
37	3305-0200-04

Socket Connector	
09	3305-0200-11
15	3305-0200-12
25	3305-0200-13
37	3305-0200-14

Solder Pin, Angled 9.4 mm (FP)

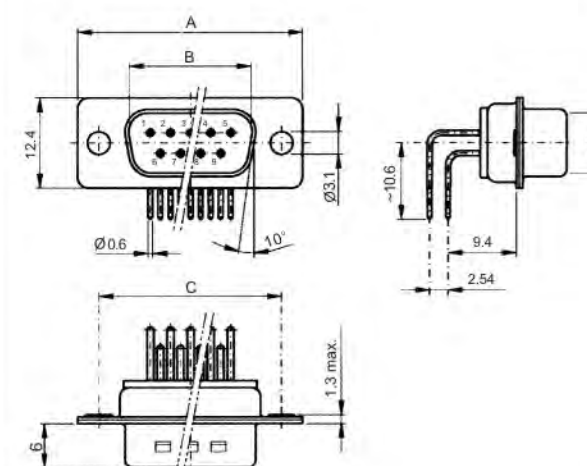
Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other class on request.
1000pF as standard. Other on request.

Available in Tubular Filter Type (FT) on request.

Technical Information on page 74
Mounting options on page 92-100

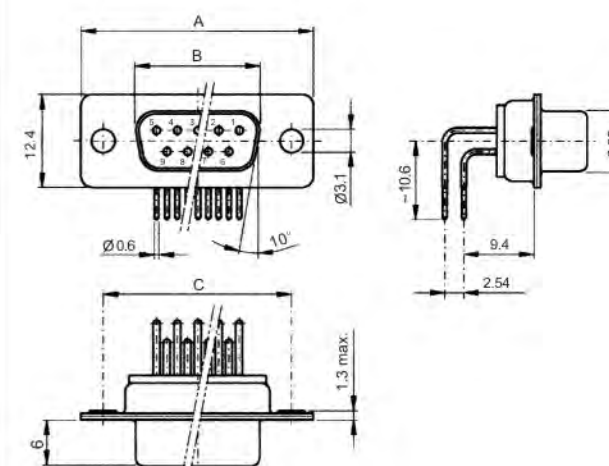


Plug connector



Size	A	B	C
09	30.80	16.79	25.00
15	39.20	25.12	33.30
25	53.10	38.84	47.00
37	69.50	55.30	63.50

Socket connector



Size	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

Order Codes:

Plug Connector	
09	3305-0300-01
15	3305-0300-02
25	3305-0300-03
37	3305-0300-04

Socket Connector	
09	3305-0300-11
15	3305-0300-12
25	3305-0300-13
37	3305-0300-14

Solder Pin, Angled 7.18 mm (FP)

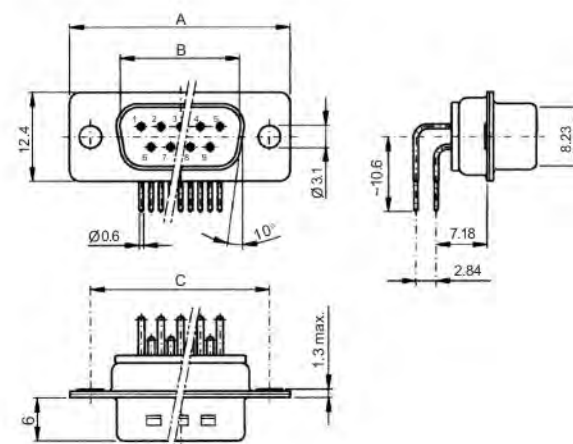
Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other class on request.
1000pF as standard. Other on request.

Available in Tubular Filter Type (FT) on request.

Technical Information on page 74
Mounting options on page 92-100

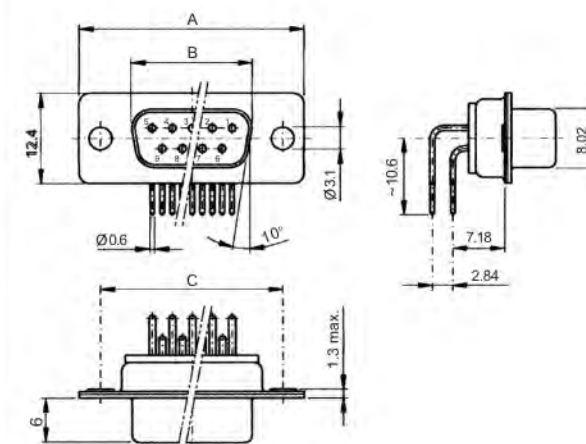


Plug connector



Size	A	B	C
09	30.80	16.79	25.00
15	39.20	25.12	33.30
25	53.10	38.84	47.00
37	69.50	55.30	63.50

Socket connector



Size	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

Order Codes:

Plug Connector

09	3305-0400-01
15	3305-0400-02
25	3305-0400-03
37	3305-0400-04

Socket Connector

09	3305-0400-11
15	3305-0400-12
25	3305-0400-13
37	3305-0400-14

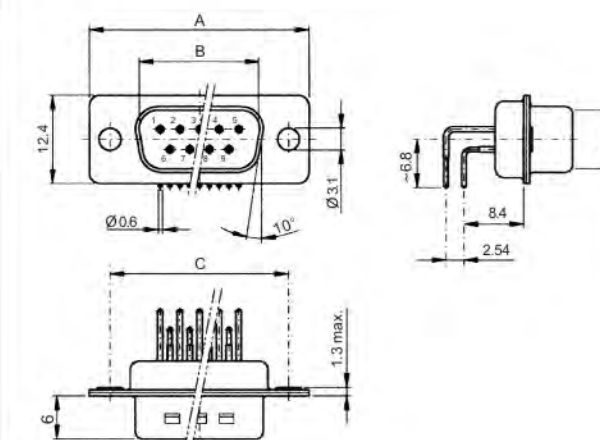
Solder Pin, 8.4 mm (FP)

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other class on request.
1000pF as standard. Other on request.

Technical Information on page 74
Mounting options on page 92-100

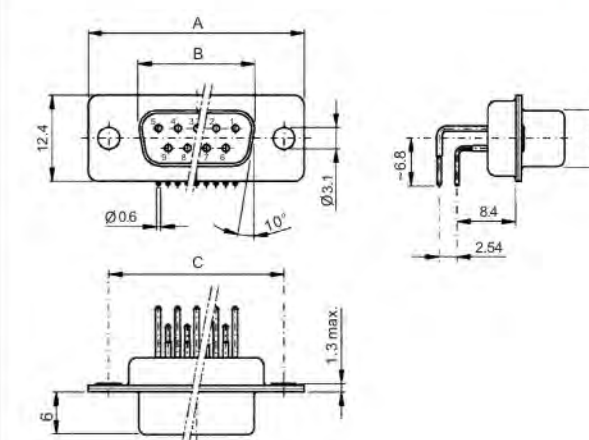


Plug connector



Size	A	B	C
09	30.80	16.79	25.00
15	39.20	25.12	33.30
25	53.10	38.84	47.00
37	69.50	55.30	63.50

Socket connector



Size	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

Order Codes:

Plug Connector

09	3305-0500-01
15	3305-0500-02
25	3305-0500-03
37	3305-0500-04

Socket Connector

09	3305-0500-11
15	3305-0500-12
25	3305-0500-13
37	3305-0500-14

SUB-D FILTER CONNECTORS

High Quality Machined Pins

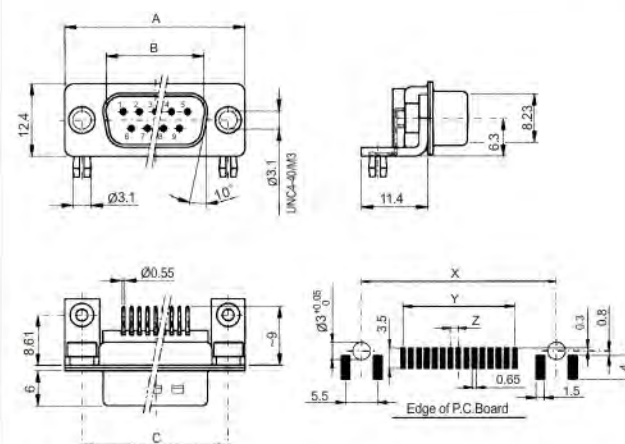
SMD Connectors, 6.3 mm (FP)

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other class on request.
1000pF as standard. Other on request.

Technical Information on page 74

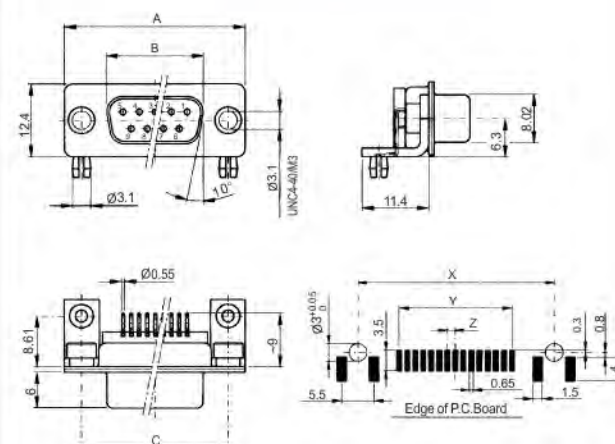


Plug connector



Size	A	B	C/X	Y	Z
09	30.80	16.79	25.00	10.98	01.37
15	39.20	25.12	33.30	19.20	01.37
25	53.10	38.84	47.00	33.12	01.38
37	69.50	55.30	63.50	49.68	01.38

Socket connector



Size	A	B	C/X	Y	Z
09	30.80	16.46	25.00	10.98	01.37
15	39.20	24.79	33.30	19.20	01.37
25	53.10	38.50	47.00	33.12	01.38
37	69.50	54.96	63.50	49.68	01.38

Order Codes:

Plug Connector

09	3305-0600-01
15	3305-0600-02
25	3305-0600-03
37	3305-0600-04

Socket Connector

09	3305-0600-11
15	3305-0600-12
25	3305-0600-13
37	3305-0600-14

Standard Connectors are supplied with Metal bracket including P.o.F. and with UNC 4-40 threaded Insert.

For other Thread - please contact your local MH Office.

SUB-D FILTER CONNECTORS

High Quality Machined Pins

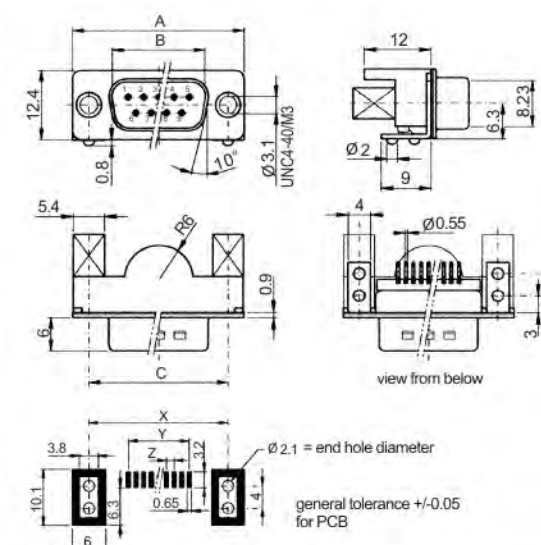
90° SMD Connectors - Tape & Reel

Machined contacts, Mounting height 6.3 mm
Tinned Shell as Standard
Class 2 connector pins as Standard
UNC 4-40 Thread type, M3 available on request.
Other Plating and/or class on request.
1000pF as standard. Other on request.

Technical Information on page 74

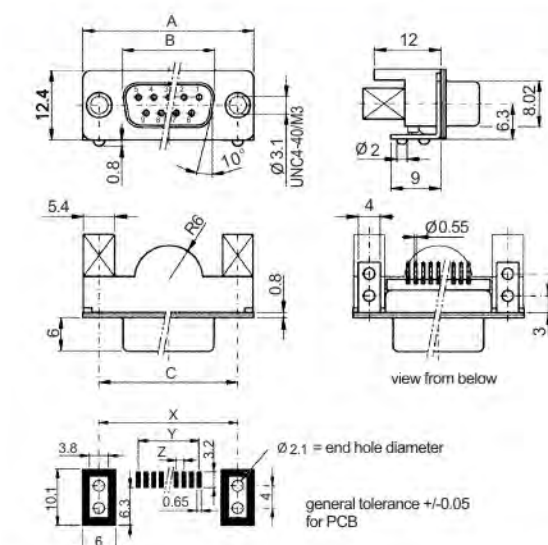


Plug connector



Size	A	B	C/X	Y	Z
09	30.80	16.79	25.00	10.98	1.37
15	39.20	25.12	33.30	19.20	1.37
25	53.10	38.84	47.00	33.12	1.38
37	69.50	55.30	63.50	49.68	1.38

Socket connector



Size	A	B	C/X	Y	Z
09	30.80	16.46	25.00	10.98	1.37
15	39.20	24.79	33.30	19.20	1.37
25	53.10	38.50	47.00	33.12	1.38
37	69.50	54.96	63.50	49.68	1.38

Order Codes:

Plug Connector

09	3305-0700-01
15	3305-0700-02
25	3305-0700-03
37	3305-0700-04

Socket Connector

09	3305-0700-11
15	3305-0700-12
25	3305-0700-13
37	3305-0700-14

Reel Outer Diameter: 330 mm
Amount of Connectors: 150 pcs / reel

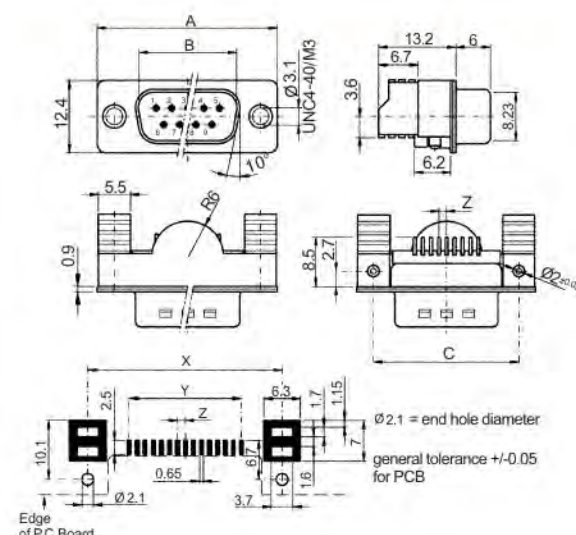
90° SMD Connectors - Tape & Reel

Machined contacts, Mounting height 3.6 mm
Tinned Shell as Standard
Class 2 connector pins as Standard
UNC 4-40 Thread type, M3 available on request.
Other Plating and/or class on request.
1000pF as standard. Other on request.

Technical Information on page 74

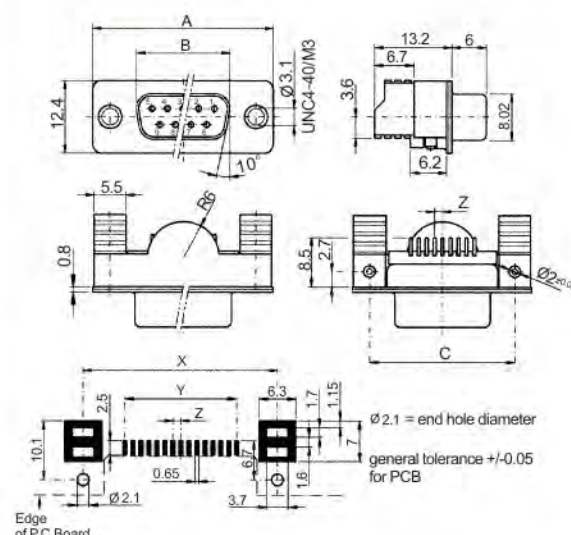


Plug connector



Size	A	B	C/X	Y	Z
09	30.80	16.79	25.00	10.98	1.37
15	39.20	25.12	33.30	19.20	1.37
25	53.10	38.84	47.00	33.12	1.38
37	69.50	55.30	63.50	49.68	1.38

Socket connector



Size	A	B	C/X	Y	Z
09	30.80	16.46	25.00	10.98	1.37
15	39.20	24.79	33.30	19.20	1.37
25	53.10	38.50	47.00	33.12	1.38
37	69.50	54.96	63.50	49.68	1.38

Order Codes:

Plug Connector

09	3305-0800-01
15	3305-0800-02
25	3305-0800-03
37	3305-0800-04

Socket Connector

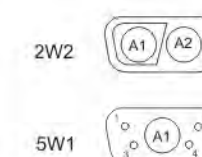
09	3305-0800-11
15	3305-0800-12
25	3305-0800-13
37	3305-0800-14

Reel Outer Diameter: 330 mm
Amount of Connectors: 150 pcs / reel

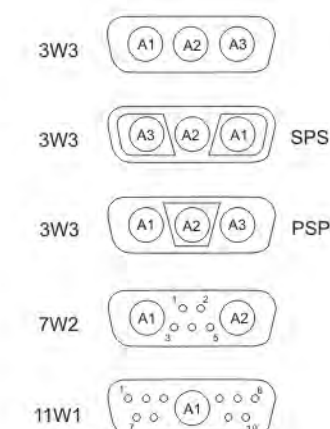
Introduction to Combo Connectors

All Contact arrangements apply to Plug Connectors. When using Socket - Hole pattern must be mirrored.

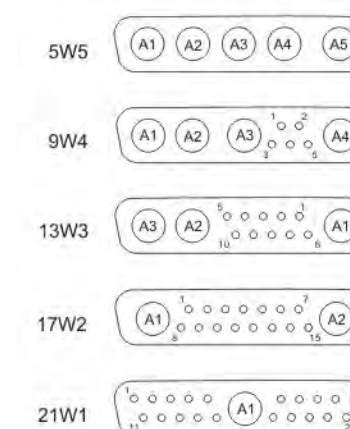
Shell-no. DE



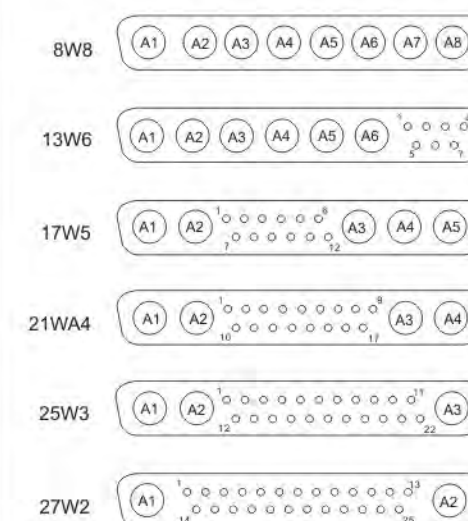
Shell-no. DA



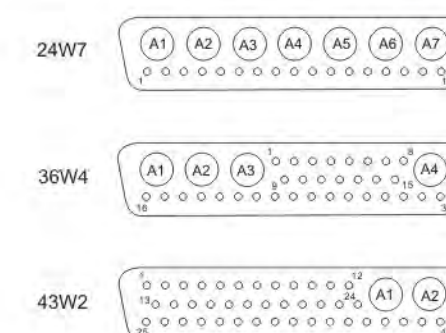
Shell-no. DB



Shell-no. DC



Shell-no. DD



Introduction to Combo Connectors

Technical Data - Housings + Contacts

Insulator:	UL94 V-0 Thermoplastic
Contacts:	Copper Alloy
Contact Plating:	Hard Gold over Nickel
Shell:	Steel, Tin plated
Test Voltage V.r.m.s./NM:	1000V
Working Voltage:	125V
Current Rating:	5A (20°C)
Contact Resistance:	max 10mΩ before strain ΔR max. 10mΩ after strain DIN 41652, part 2 (MIL-C-24308)
Insulation Resistance:	≥ 5GΩ
Clearance & Creepage:	contact-contact >1.0 mm contact-ground >1.0 mm
Operating Temperature:	-55°C to +125°C

Technical Data - Coax & Power Contacts

Contact material:	Copper Alloy
Contact plating:	Gold over Nickel

	COAX Contacts	High Volt. Contacts	High Power Contacts		
			AWG 16	AWG 12	AWG 8
Insulator Material:	Teflon	Polyamide	—	—	—
Temperature range per DIN	-55°C/ +150°C				
Test Voltage	1000V rms	2800V rms	—	1000V rms	—
Contact Rating (25°C)	5A	5A	10A	20A	40A
Insulation Resistance	5000 MΩ	5000 MΩ	—	—	—
Wave Impedance ¹⁾	50 Ω	—	—	—	—
Frequency ¹⁾	0-2 GHz	—	—	—	—
Standard Wave Ratio max. ¹⁾	1,2	—	—	—	—
Attenuation max. ¹⁾	0,2 dB	—	—	—	—
Mating & Separation Force	7 N	3 N	5 N	5 N	5 N
Mating Cycle min.	250				
Contact retention Force min.	40 N				

¹⁾ Standard Value

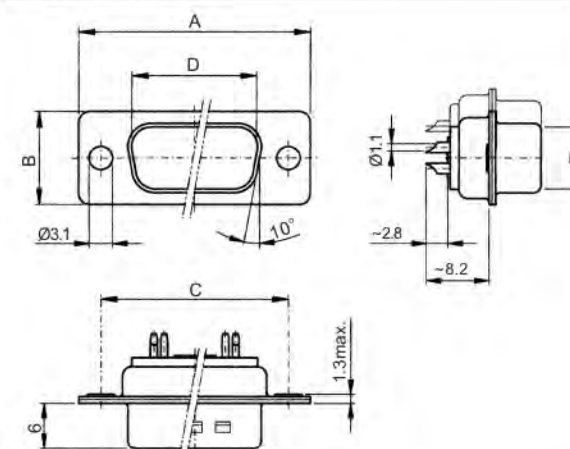
Solder Cup

Machined contacts / AWG 18
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 83-84
Mounting options on page 92-100

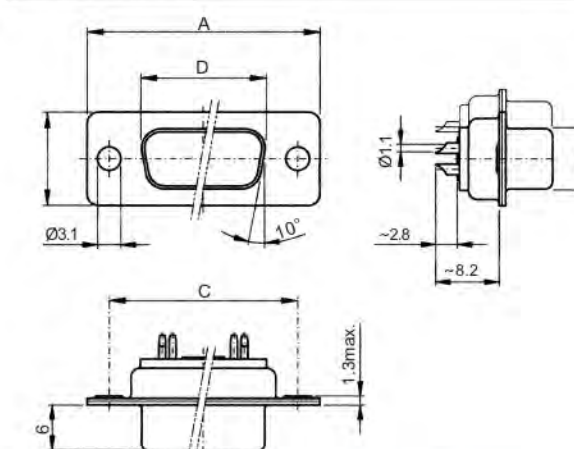


Plug connector



Size	A	B	C	D	E
DE	30.80	12.40	25.00	16.79	08.23
DA	39.20	12.40	33.30	25.12	08.23
DB	53.10	12.40	47.00	38.84	08.23
DC	69.50	12.40	63.50	55.30	08.23
DD	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
DE	30.80	12.40	25.00	16.46	08.02
DA	39.20	12.40	33.30	24.79	08.02
DB	53.10	12.40	47.00	38.50	08.02
DC	69.50	12.40	63.50	54.96	08.02
DD	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector

No. Pos.	Special Contacts	Name	Part No.
05	1	DTS 5W1 PZ	3310-0100-01
02	2	DTS 2W2 PS	3310-0100-02
03	3	DTS 3W3 P	3310-0101-01
03	3	DTS 3W3 PSP	3310-0101-02
07	2	DTS 7W2 PZ	3310-0101-03
11	1	DTS 11W1 PZ	3310-0101-04
05	5	DTS 5W5 P	3310-0102-01
09	4	DTS 9W4 PZ	3310-0102-02
13	3	DTS 13W3 PZ	3310-0102-03
17	2	DTS 17W2 PZ	3310-0102-04
21	1	DTS 21W1 PZ	3310-0102-05
08	8	DTS 8W8 P	3310-0103-01
13	6	DTS 13W6 PZ	3310-0103-02
17	5	DTS 17W5 PZ	3310-0103-03
21	4	DTS 21W4 PZ	3310-0103-04
25	3	DTS 25W3 PZ	3310-0103-05
27	2	DTS 27W2 PZ	3310-0103-06
24	7	DTS 24W7 PZ	3310-0104-01
36	4	DTS 36W4 PZ	3310-0104-02
43	2	DTS 43W2 PZ	3310-0104-03

Socket Connector

No. Pos.	Special Contacts	Name	Part No.
05	1	DTS 5W1 SZ	3310-0100-11
02	2	DTS 2W2 SP	3310-0100-12
03	3	DTS 3W3 S	3310-0101-11
03	3	DTS 3W3 SPS	3310-0101-12
07	2	DTS 7W2 SZ	3310-0101-13
11	1	DTS 11W1 SZ	3310-0101-14
05	5	DTS 5W5 S	3310-0102-11
09	4	DTS 9W4 SZ	3310-0102-12
13	3	DTS 13W3 SZ	3310-0102-13
17	2	DTS 17W2 SZ	3310-0102-14
21	1	DTS 21W1 SZ	3310-0102-15
08	8	DTS 8W8 S	3310-0103-11
13	6	DTS 13W6 SZ	3310-0103-12
17	5	DTS 17W5 SZ	3310-0103-13
21	4	DTS 21W4 SZ	3310-0103-14
25	3	DTS 25W3 SZ	3310-0103-15
27	2	DTS 27W2 SZ	3310-0103-16
24	7	DTS 24W7 SZ	3310-0104-11
36	4	DTS 36W4 SZ	3310-0104-12
43	2	DTS 43W2 SZ	3310-0104-13

SUB-D COMBO CONNECTORS

High Quality Machined Pins

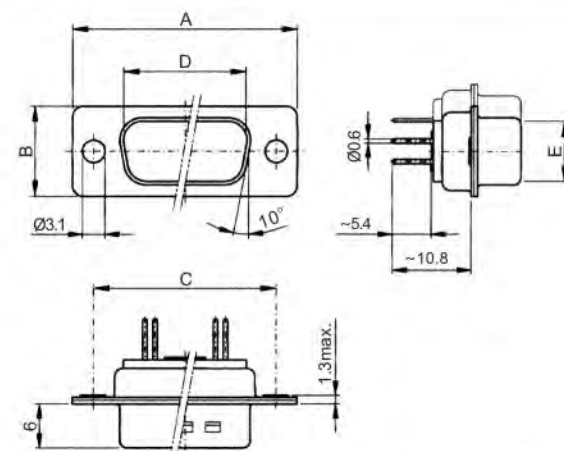
Solder Pin, Straight

Machined contacts
Tinned Shell as Standard
Class 2 connector pins as Standard
Other Plating and/or class on request.

Technical Information on page 83-84
Mounting options on page 92-100

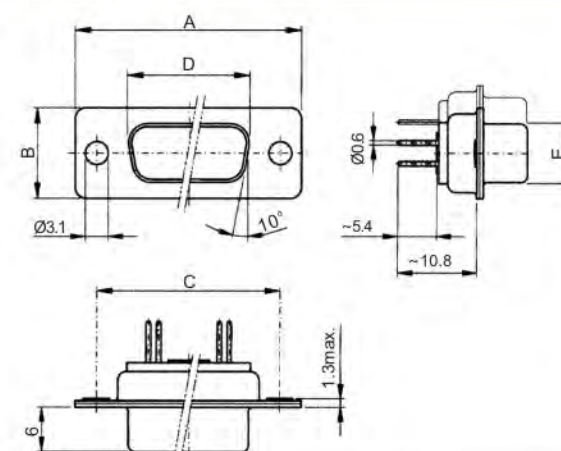


Plug connector



Size	A	B	C	D	E
DE	30.80	12.40	25.00	16.79	08.23
DA	39.20	12.40	33.30	25.12	08.23
DB	53.10	12.40	47.00	38.84	08.23
DC	69.50	12.40	63.50	55.30	08.23
DD	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
DE	30.80	12.40	25.00	16.46	08.02
DA	39.20	12.40	33.30	24.79	08.02
DB	53.10	12.40	47.00	38.50	08.02
DC	69.50	12.40	63.50	54.96	08.02
DD	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector			
No. Pos.	Special Contacts	Name:	Part No.
05	1	DTS 5W1 PY	3310-0200-01
02	2	DTS 2W2 PS	3310-0100-02
03	3	DTS 3W3 P	3310-0101-01
03	3	DTS 3W3 PSP	3310-0101-02
07	2	DTS 7W2 PY	3310-0201-03
11	1	DTS 11W1 PY	3310-0201-04
05	5	DTS 5W5 P	3310-0102-01
09	4	DTS 9W4 PY	3310-0202-02
13	3	DTS 13W3 PY	3310-0202-03
17	2	DTS 17W2 PY	3310-0202-04
21	1	DTS 21W1 PY	3310-0202-05
08	8	DTS 8W8 P	3310-0103-01
13	6	DTS 13W6 PY	3310-0203-02
17	5	DTS 17W5 PY	3310-0203-03
21	4	DTS 21W4 PY	3310-0203-04
25	3	DTS 25W3 PY	3310-0203-05
27	2	DTS 27W2 PY	3310-0203-06
24	7	DTS 24W7 PY	3310-0204-01
36	4	DTS 36W4 PY	3310-0204-02
43	2	DTS 43W2 PY	3310-0204-03

Socket Connector			
No. Pos.	Special Contacts	Name:	Part No.
05	1	DTS 5W1 SY	3310-0200-11
02	2	DTS 2W2 SP	3310-0100-12
03	3	DTS 3W3 S	3310-0101-11
03	3	DTS 3W3 SPS	3310-0101-12
07	2	DTS 7W2 SY	3310-0201-13
11	1	DTS 11W1 SY	3310-0201-14
05	5	DTS 5W5 S	3310-0102-11
09	4	DTS 9W4 SY	3310-0202-12
13	3	DTS 13W3 SY	3310-0202-13
17	2	DTS 17W2 SY	3310-0202-14
21	1	DTS 21W1 SY	3310-0202-15
08	8	DTS 8W8 S	3310-0103-11
13	6	DTS 13W6 SY	3310-0203-12
17	5	DTS 17W5 SY	3310-0203-13
21	4	DTS 21W4 SY	3310-0203-14
25	3	DTS 25W3 SY	3310-0203-15
27	2	DTS 27W2 SY	3310-0203-16
24	7	DTS 24W7 SY	3310-0204-11
36	4	DTS 36W4 SY	3310-0204-12
43	2	DTS 43W2 SY	3310-0204-13

SUB-D COMBO CONNECTORS

High Quality Machined Pins

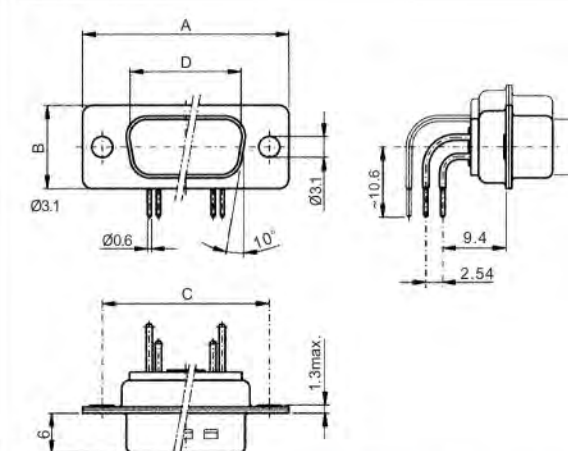
Solder Pin, Angled 9.4 mm

Machined contacts.
Tinned Shell as Standard.
Class 2 connector pins as Standard.
Other Plating and/or class on request.
Angled 7.18 mm version on request.

Technical Information on page 83-84
Mounting options on page 92-100

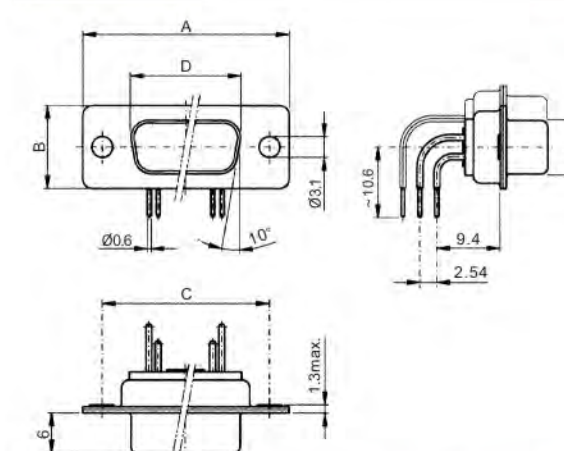


Plug connector



Size	A	B	C	D	E
DE	30.80	12.40	25.00	16.79	08.23
DA	39.20	12.40	33.30	25.12	08.23
DB	53.10	12.40	47.00	38.84	08.23
DC	69.50	12.40	63.50	55.30	08.23
DD	67.00	15.40	61.10	52.68	10.95

Socket connector



Size	A	B	C	D	E
DE	30.80	12.40	25.00	16.46	08.02
DA	39.20	12.40	33.30	24.79	08.02
DB	53.10	12.40	47.00	38.50	08.02
DC	69.50	12.40	63.50	54.96	08.02
DD	67.00	15.40	61.10	52.55	10.87

Order Codes:

Plug Connector			
No. Pos.	Special Contacts	Name:	Part No.
05	1	DTS 5W1 PYC	3310-0300-01
02	2	DTS 2W2 PS	3310-0100-02
03	3	DTS 3W3 P	3310-0101-01
03	3	DTS 3W3 PSP	3310-0101-02
07	2	DTS 7W2 PYC	3310-0301-03
11	1	DTS 11W1 PYC	3310-0301-04
05	5	DTS 5W5 P	3310-0102-01
09	4	DTS 9W4 PYC	3310-0302-02
13	3	DTS 13W3 PYC	3310-0302-03
17	2	DTS 17W2 PYC	3310-0302-04
21	1	DTS 21W1 PYC	3310-0302-05
08	8	DTS 8W8 P	3310-0103-01
13	6	DTS 13W6 PYC	3310-0303-02
17	5	DTS 17W5 PYC	3310-0303-03
21	4	DTS 21W4 PYC	3310-0303-04
25	3	DTS 25W3 PYC	3310-0303-05
27	2	DTS 27W2 PYC	3310-0303-06
24	7	DTS 24W7 PYC	3310-0304-01
36	4	DTS 36W4 PYC	3310-0304-02
43	2	DTS 43W2 PYC	3310-0304-03

Socket Connector			
No. Pos.	Special Contacts	Name:	Part No.
05	1	DTS 5W1 SYC	3310-0300-11
02	2	DTS 2W2 SP	3310-0100-12
03	3	DTS 3W3 S	3310-0101-11
03	3	DTS 3W3 SPS	3310-0101-12
07	2	DTS 7W2 SYC	3310-0301-13
11	1	DTS 11W1 SYC	3310-0301-14
05	5	DTS 5W5 S	3310-0102-11
09	4	DTS 9W4 SYC	3310-0302-12
13	3	DTS 13W3 SYC	3310-0302-13
17	2	DTS 17W2 SYC	3310-0302-14
21	1	DTS 21W1 SYC	3310-0302-15
08	8	DTS 8W8 S	3310-0103-11
13	6	DTS 13W6 SYC	3310-0303-12
17	5	DTS 17W5 SYC	3310-0303-13
21	4	DTS 21W4 SYC	3310-0303-14
25	3	DTS 25W3 SYC	3310-0303-15
27	2	DTS 27W2 SYC	3310-0303-16
24	7	DTS 24W7 SYC	3310-0304-11
36	4	DTS 36W4 SYC	3310-0304-12
43	2	DTS 43W2 SYC	3310-0304-13

HIGH POWER CONTACTS

High Quality Machined Pins

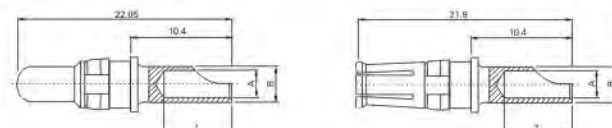
Solder & Crimp Versions

Machined contacts.
Class 2 connector pins as Standard.
Other Plating and/or class on request.

Technical Information on page 83-84

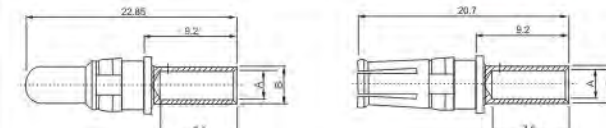


Solder Version



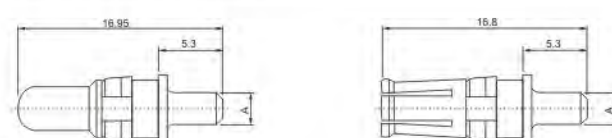
Amp.	Plug	Socket	ØA	ØB
10 A	3311-0001-01	3311-0001-11	1.80	2.55
20 A	3311-0001-02	3311-0001-12	2.80	3.70
40 A	3311-0001-03	3311-0001-13	4.80	5.60

Crimp Version



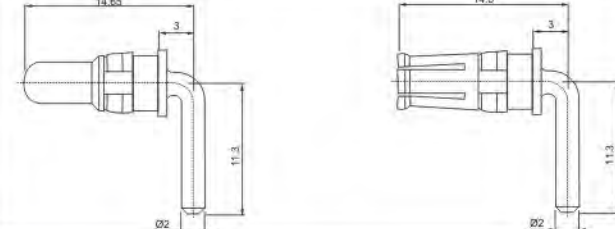
Amp.	Plug	Socket	ØA	ØB
10 A	3311-0002-01	3311-0002-11	1.80	2.55
20 A	3311-0002-02	3311-0002-12	2.80	3.70
40 A	3311-0002-03	3311-0002-13	4.80	5.60

PCB Straight Version



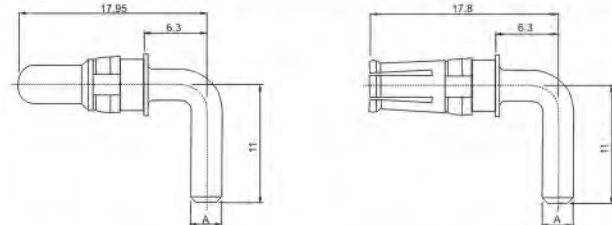
Amp.	Plug	Socket	ØA
10 A	3311-0003-01	3311-0003-11	2.00
20 A	3311-0003-02	3311-0003-12	2.60
40 A	3311-0003-03	3311-0003-13	3.20

90° PCB-A Version



Amp.	Plug	Socket
10 A	3311-0004-01	3311-0004-14

90° PCB Version

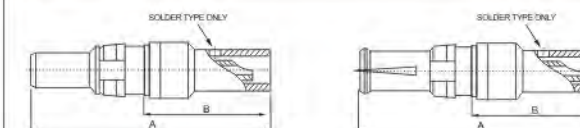


Amp.	Plug	Socket	ØA
10 A	3311-0005-01	3311-0005-11	2.00
20 A	3311-0005-02	3311-0005-12	2.85
30 A	3311-0005-03	3311-0005-13	3.20
40 A	3311-0005-04	3311-0005-14	3.75

COAXIAL CONTACTS - 50 / 75 Ohm

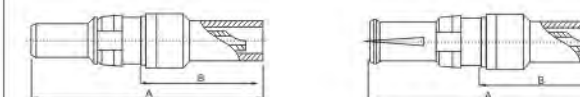
High Quality Machined Pins

Solder Version



	Cable	Plug	Socket	A	B
50Ω	178 B/U, 196 A/U, 404 U	3311-0020-01	3311-0020-11	23.0	11.2
50Ω	174 U, 188 A/U, 316 U	3311-0020-02	3311-0020-12	23.0	11.2
50Ω	180 B/U	3311-0020-03	3311-0020-13	23.0	11.2
50Ω	58 C/U, 141 A/U	3311-0020-04	3311-0020-14	26.8	14.8
50Ω	316 U (Double Braided)	3311-0020-05	3311-0020-15	24.0	12.2
75Ω	179 B/U, 187 A/U (B=7,3)	3311-0020-06	3311-0020-16	19.05	7.3
75Ω	179 B/U, 187 A/U (B=11,2)	3311-0020-07	3311-0020-17	23.0	11.2

Crimp / Solder Version



	Cable	Plug	Socket	A	B
50Ω	178 B/U, 196 A/U, 404 U	3311-0021-01	3311-0021-11	23.0	11.2
50Ω	174 U, 188 A/U, 316 U	3311-0021-02	3311-0021-12	23.0	11.2
50Ω	180 B/U	3311-0021-03	3311-0021-13	23.0	11.2
50Ω	58 C/U, 141 A/U	3311-0021-04	3311-0021-14	26.8	14.8
75Ω	179 B/U, 187 A/U (B=7,3)	3311-0021-05	3311-0021-15	19.05	7.3
75Ω	179 B/U, 187 A/U (B=11,2)	3311-0021-06	3311-0021-16	23.0	11.2

90° Solder / Solder Version



	Cable	Plug	Socket	A	B	C
50Ω	178 B/U, 96 A/U	3311-0024-01	3311-0024-11	18.5	8.2	19.8
50Ω	188 A/U, 316 U	3311-0024-02	3311-0024-12	18.5	8.2	19.8
50Ω	195 A/U, 180 B/U,	3311-0024-03	3311-0024-13	18.2	8.2	19.8
50Ω	58 C/U, 141 A/U	3311-0024-04	3311-0024-14	18.2	8.2	19.8
75Ω	179 B/U, 187 A/U	3311-0024-05	3311-0024-15	18.5	8.2	19.8

90° Crimp / Solder Version



	Cable	Plug	Socket	A	B	C
50Ω	178 B/U, 96 A/U	3311-0025-01	3311-0025-11	18.5	8.2	19.8
50Ω	188 A/U, 316 U	3311-0025-02	3311-0025-12	18.5	8.2	19.8
50Ω	195 A/U, 180 B/U,	3311-0025-03	3311-0025-13	18.2	8.2	19.8
50Ω	58 C/U, 141 A/U	3311-0025-04	3311-0025-14	18.2	8.2	19.8
75Ω	179 B/U, 187 A/U	3311-0025-05	3311-0025-15	18.5	8.2	19.8

Coaxial Contacts - 50 / 75 Ohm

Contact Material:	Copper Alloy
Insulator Material:	Teflon
Crimp Sleeve:	PTFE
Other metal parts:	Copper Alloy
Surface Plating:	Inner Contact 1,3µ Au Outer Contact 0,8µ Au

COAXIAL CONTACTS - 50 Ohm

High Quality Machined Pins

Crimp / Crimp Version



	Cable	Plug	Socket	A	B
50Ω	174 U, 188 A/U, 316 U	3311-0022-01	3311-0022-11	23.0	11.2
50Ω	316 U (Double Braided)	3311-0022-02	3311-0022-12	23.0	11.2
50Ω	58 C/U, 141 A/U	3311-0022-03	3311-0022-13	22.7	10.9
75Ω	179 B/U, 187 A/U	3311-0022-04	3311-0022-14	22.45	11.2
75Ω	180 B/U	3311-0022-05	3311-0022-15	21.65	10.4

90° Crimp / Crimp Version



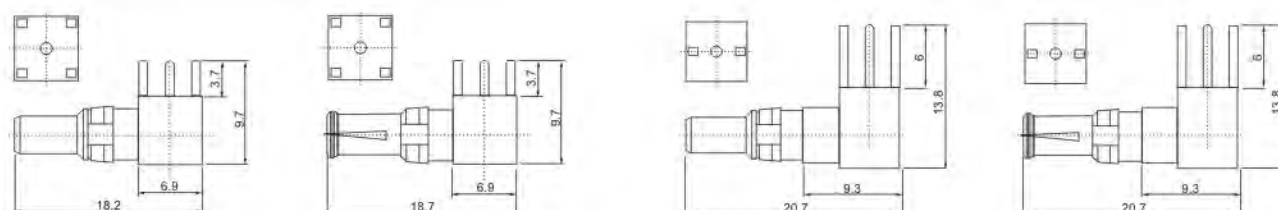
	Plug	Socket	Cable
50Ω	3311-0026-01	3311-0026-11	174 U, 188 A/U, 316 U
75Ω	3311-0026-02	3311-0026-12	179 B/U, 187 A/U

PCB Version



	Plug	Socket
50Ω	3311-0023-01	3311-0023-11
50Ω	3311-0023-02	3311-0023-12

90° PCB Version



	Plug	Socket
50Ω - 5leg	3311-0027-01	3311-0027-11
75Ω - 5leg	3311-0027-02	3311-0027-12
50Ω - 3leg	3311-0027-01	3311-0027-11
75Ω - 3leg	3311-0027-02	3311-0027-12

High Voltage Contacts

High Quality Machined Pins

High Voltage, Solder Version



Plug	Socket
3311-0016-01	3311-0016-11

High Voltage, 90° Solder Version



Plug	Socket
3311-0016-05	3311-0016-15

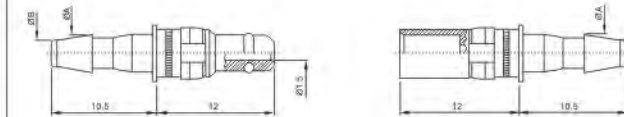
High Voltage Contacts:

Body:	PTFE
Male Contacts:	Cu Zn 40 Pb3
Female Contacts:	Copper Alloy
Retainer Clip:	Cu Be 2

Pneumatic Contacts

High Quality Machined Pins

Pneumatic Contacts

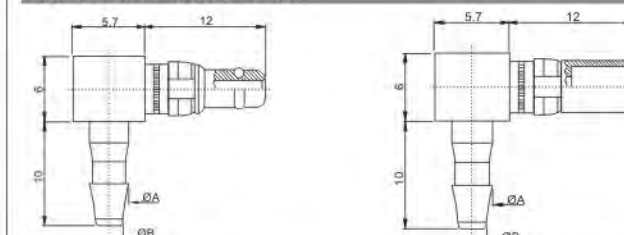


Pneumatic Contacts:

Contact Material:	German Silver
Material O-ring:	Viton
Max. Pressure (68°F):	7 bar / 101.5 psi
Temperature Range:	-10°C to +60°C

Tube Inner Ø	ØA	ØB	Air Tube	Plug	Socket
2.0	2.6	1.5	PU-2	3311-0017-01	3311-0017-11
2.6	3.1	2.0	PUN4 x 2.5	3311-0017-02	3311-0017-12
3.0	3.4	2.3	PU-3	3311-0017-03	3311-0017-13
4.0	4.8	3.7	PU-4	3311-0017-04	3311-0017-14

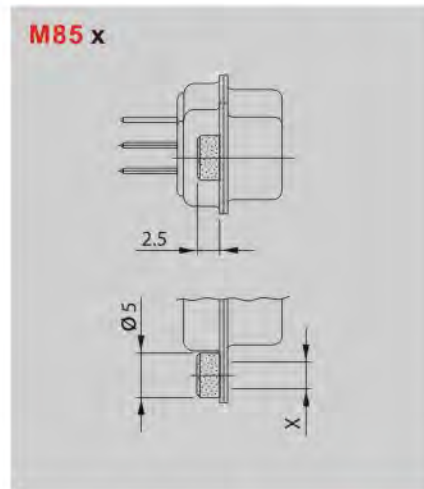
90° Pneumatic Contacts



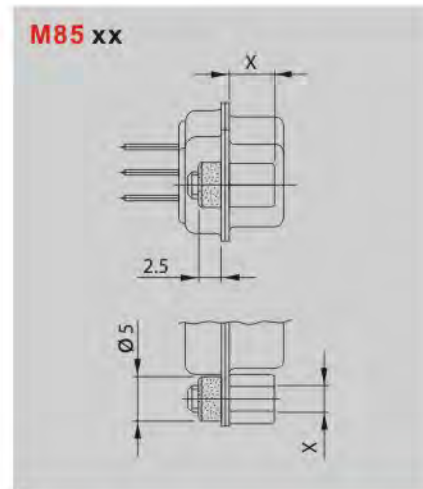
Tube Inner Ø	ØA	ØB	Air Tube	Plug	Socket
2.0	2.6	1.5	PU-2	3311-0018-01	3311-0018-11
3.0	3.4	2.3	PU-3	3311-0018-02	3311-0018-12

ASSEMBLIES

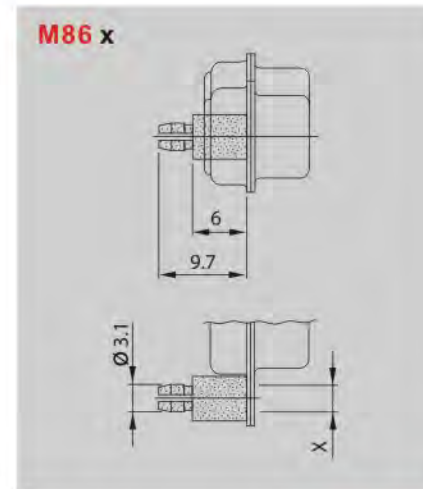
For straight versions



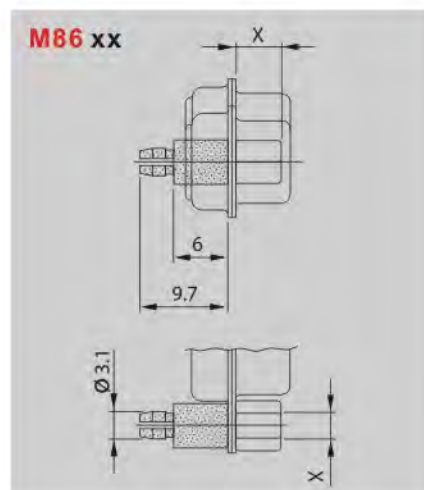
M85 UN	Back Nut	UNC 4-40
M85 M3	Back Nut	M3



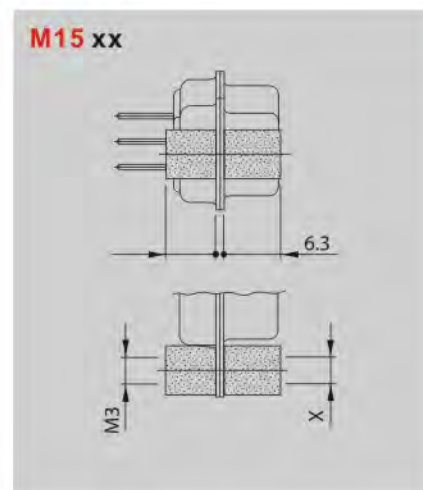
M85 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M85 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M85 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M85 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



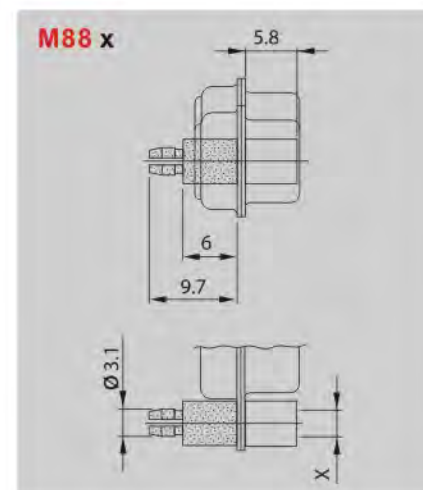
M86 UN	Push-On	UNC 4-40
M86 M3	Push-On	M3



M86 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M86 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M86 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M86 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



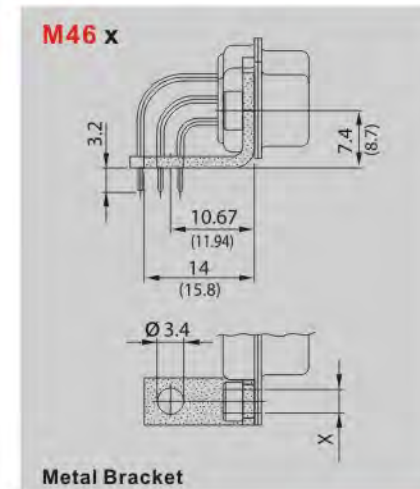
M15 UN	Bolt	UNC 4-40
M15 M3	Bolt	M3



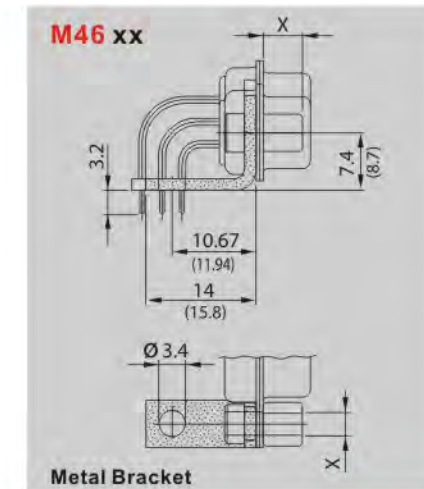
M88 UN	Bolt	UNC 4-40
	with Push-On	
M88 M3	Bolt	M3
	with Push-On	

ASSEMBLIES, Mounting Height 7.4 mm

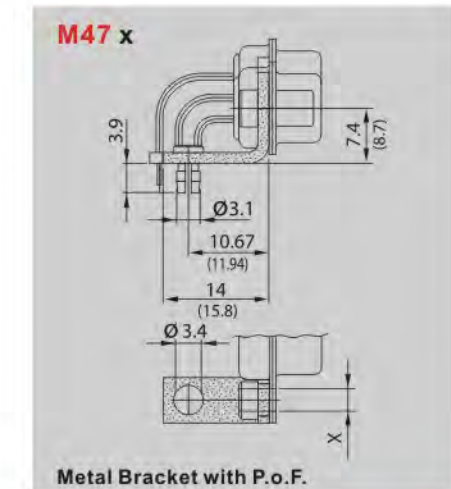
For solder pin 90°, 9.4 mm (YC)



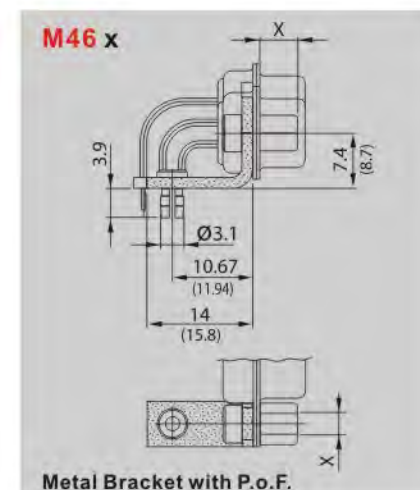
M46 D3	Rivet	Ø 3.1 mm
M46 UN	Back Nut	UNC 4-40
M46 M3	Back Nut	M3



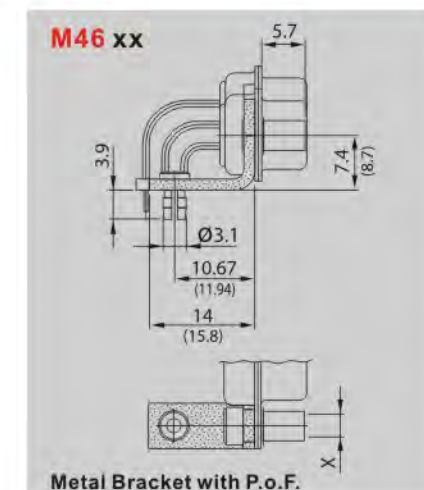
M46 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M46 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M46 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M46 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



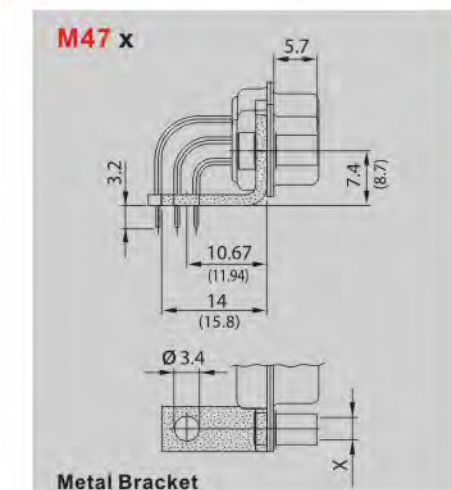
M47 D3	Rivet	Ø 3.1 mm
M47 UN	Back Nut	UNC 4-40
M47 M3	Back Nut	M3



M47 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M47 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M47 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M47 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



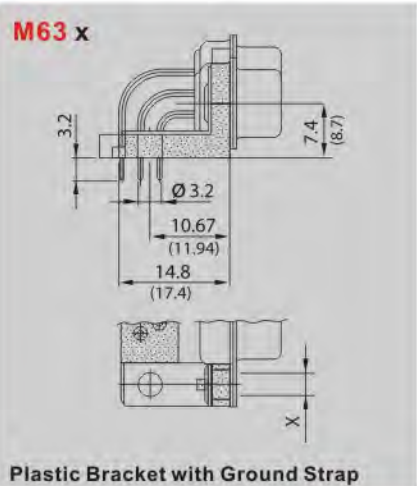
M48 UN	Front Nut	UNC 4-40
M48 M3	Front Nut	M3



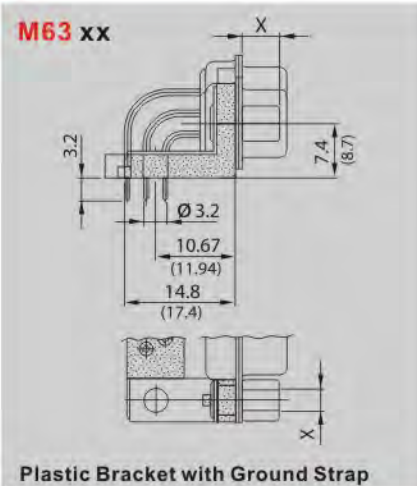
M49 UN	Front Nut	UNC 4-40
M49 M3	Front Nut	M3

ASSEMBLIES, Mounting Height 7.4 mm

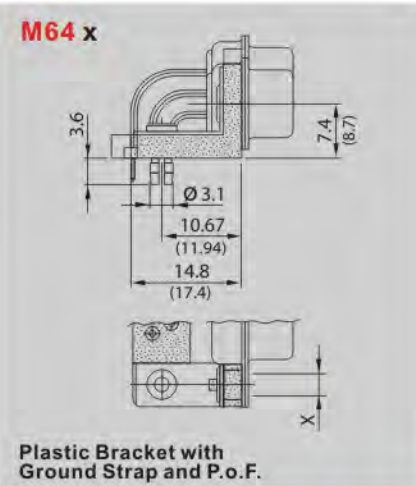
For solder pin 90°, 9.4 mm (YC)



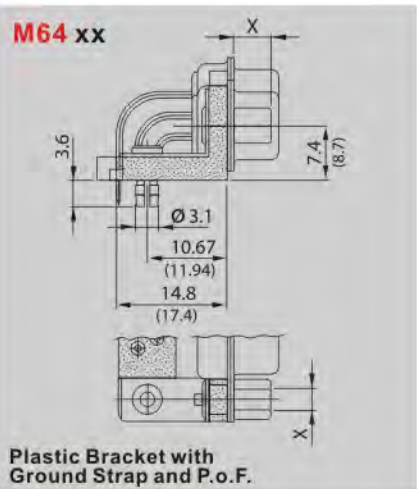
M63 D3	Rivet	Ø 3.1 mm
M63 UN	Back Nut	UNC 4-40
M63 M3	Back Nut	M3



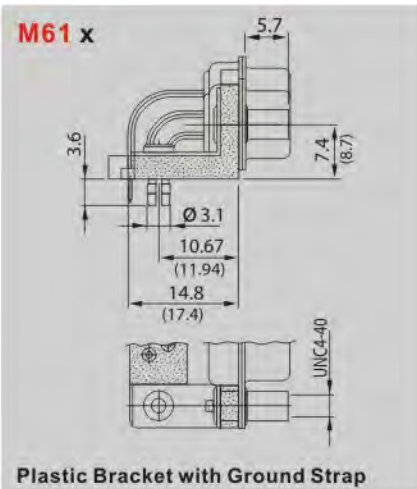
M63 UN B5	Back Nut	UNC 4-40
with Screw, 5 mm thread		
M63 UN B6	Back Nut	UNC 4-40
with Screw, 6 mm thread		
M63 M3 B5	Back Nut	M3
with Screw, 5 mm thread		
M63 M3 B6	Back Nut	M3
with Screw, 6 mm thread		



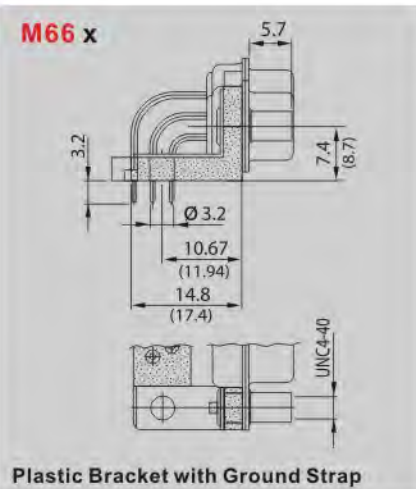
M64 D3	Rivet	Ø 3.1 mm
M64 UN	Back Nut	UNC 4-40
M64 M3	Back Nut	M3



M64 UN B5	Back Nut	UNC 4-40
with Screw, 5 mm thread		
M64 UN B6	Back Nut	UNC 4-40
with Screw, 6 mm thread		
M64 M3 B5	Back Nut	M3
with Screw, 5 mm thread		
M64 M3 B6	Back Nut	M3
with Screw, 6 mm thread		



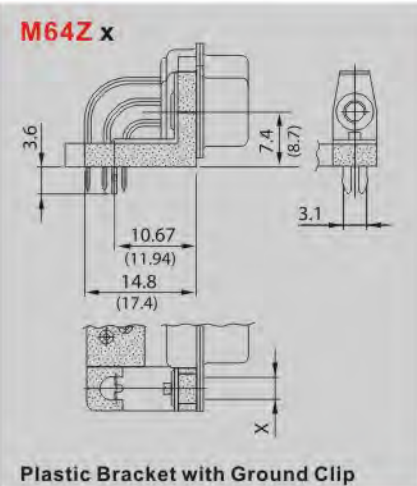
M61 UN	Front Nut	UNC 4-40
M61 M3	Front Nut	M3



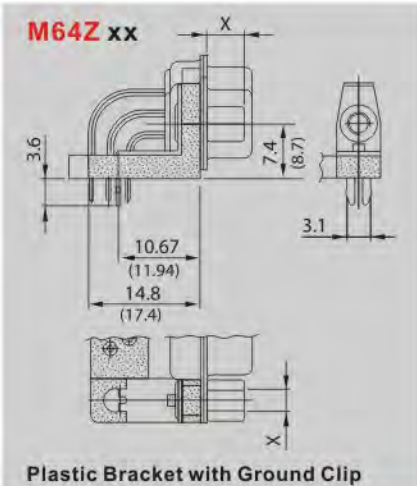
M66 UN	Front Nut	UNC 4-40
M66 M3	Front Nut	M3

ASSEMBLIES, Mounting Height 7.4 mm

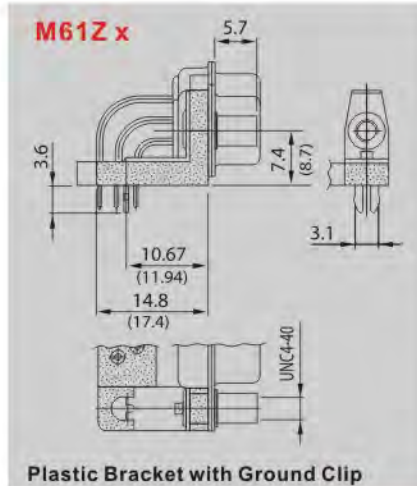
For solder pin 90°, 9.4 mm (YC)



M64 D3	Rivet	Ø 3.1 mm
M64 UN	Back Nut	UNC 4-40
M64 M3	Back Nut	M3



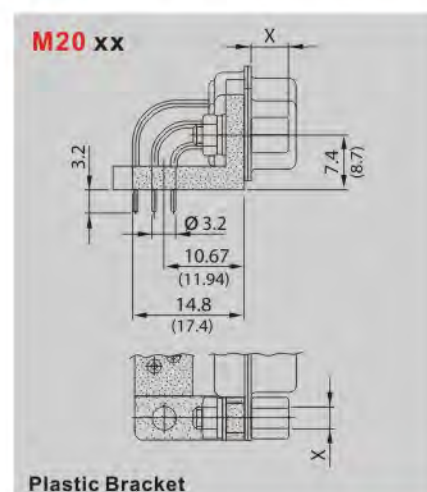
M64 UN B5	Back Nut	UNC 4-40
with Screw, 5 mm thread		
M64 UN B6	Back Nut	UNC 4-40
with Screw, 6 mm thread		
M64 M3 B5	Back Nut	M3
with Screw, 5 mm thread		
M64 M3 B6	Back Nut	M3
with Screw, 6 mm thread		



M61Z UN	Front Nut	UNC 4-40
M61Z M3	Front Nut	M3

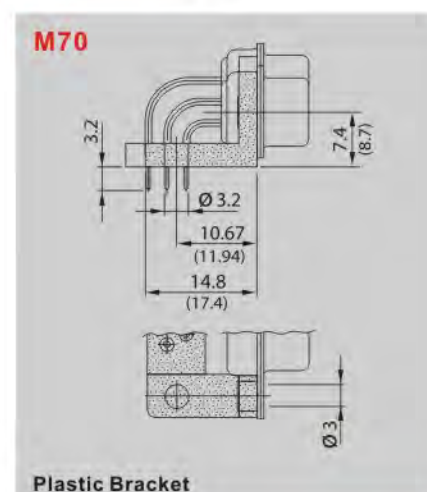
ASSEMBLIES, Mounting Height 7.4 mm

For solder pin 90°, 9.4 mm (YC)



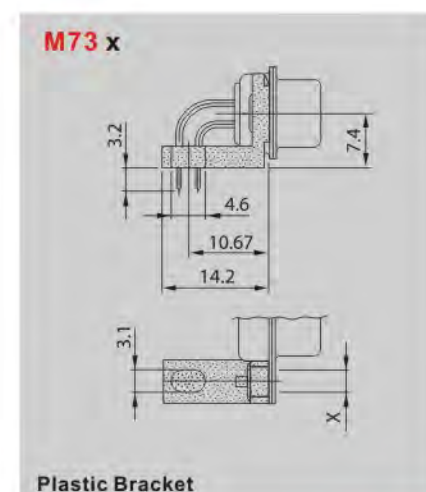
Plastic Bracket

M20 UN B5	Screw Lock	UNC 4-40
	5mm thread	
M20 UN B5	Screw Lock	UNC 4-40
	6mm thread	
M20 M3 B5	Screw Lock	M3
	5mm thread	
M20 M3 B5	Screw Lock	M3
	6mm thread	



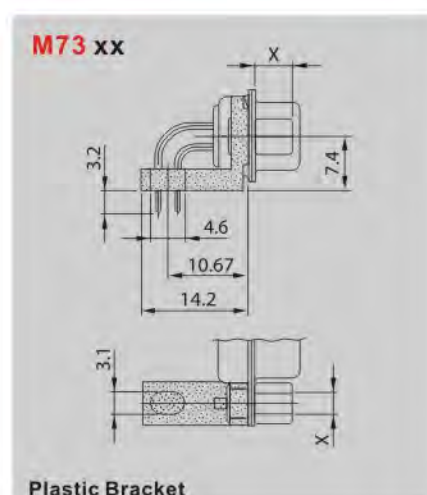
Plastic Bracket

M70	Rivet	UNC 4-40
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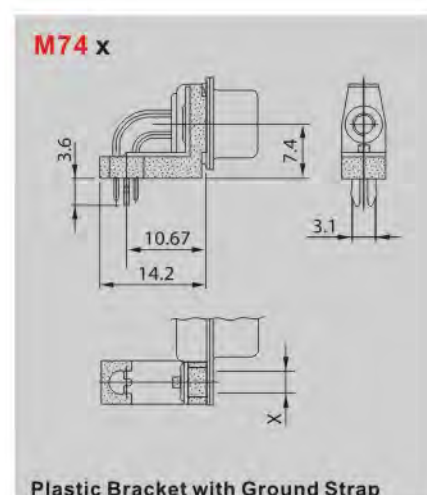
Plastic Bracket

M73 UN	Back Nut	UNC 4-40
M73 M3	Back Nut	M3



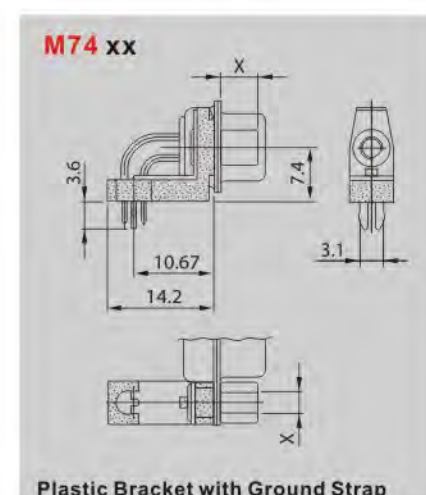
Plastic Bracket

M73 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M73 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M73 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M73 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



Plastic Bracket with Ground Strap

M74 UN	Back Nut	UNC 4-40
M74 M3	Back Nut	M3

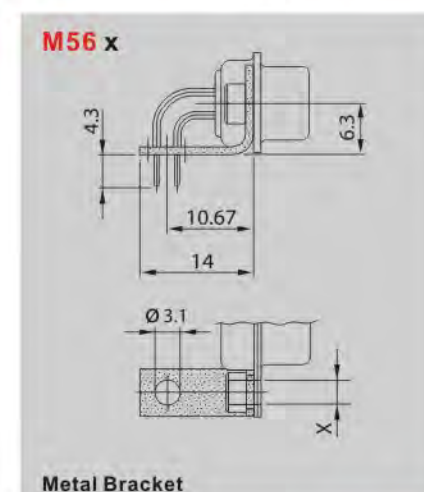


Plastic Bracket with Ground Strap

M74 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M74 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M74 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M74 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	

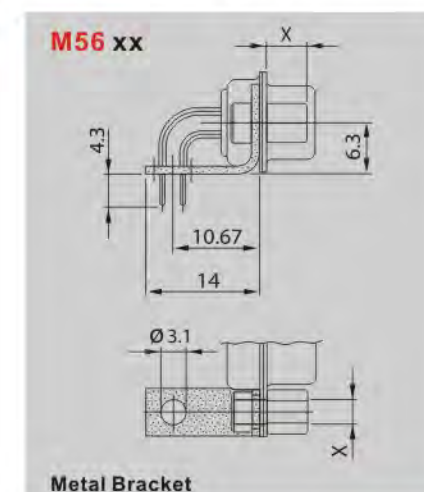
ASSEMBLIES, Mounting Height 6.3 mm

For solder pin 90°, 9.4 mm (YC)



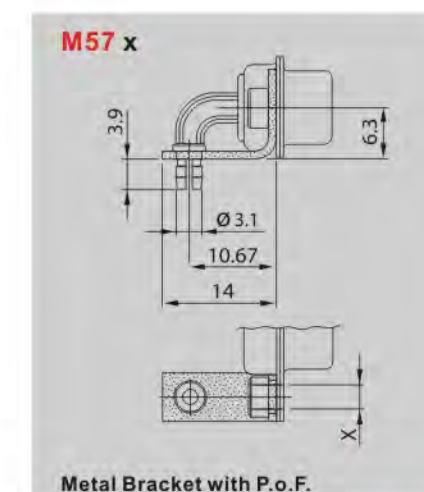
Metal Bracket

M56 D3	Rivet	Ø 3.1 mm
M56 UN	Back Nut	UNC 4-40
M56 M3	Back Nut	M3



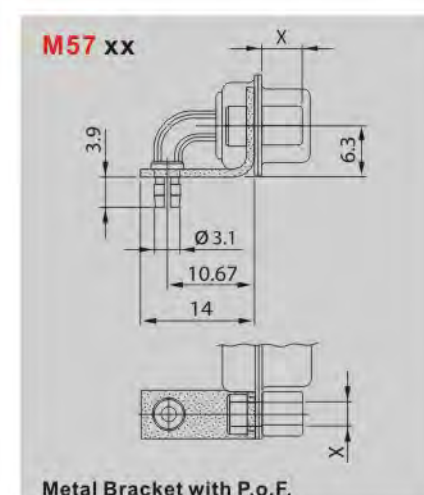
Metal Bracket

M56 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M56 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M56 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M56 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



Metal Bracket with P.o.F.

M57 D3	Rivet	Ø 3.1 mm
M57 UN	Back Nut	UNC 4-40
M57 M3	Back Nut	M3

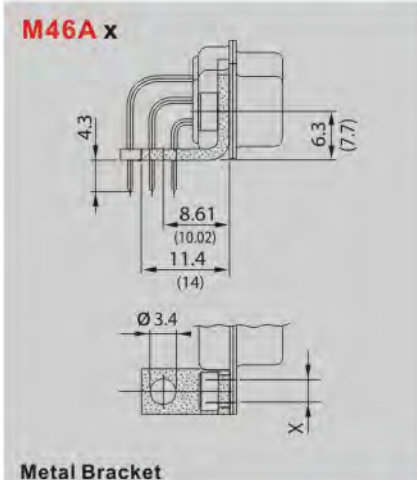


Metal Bracket with P.o.F.

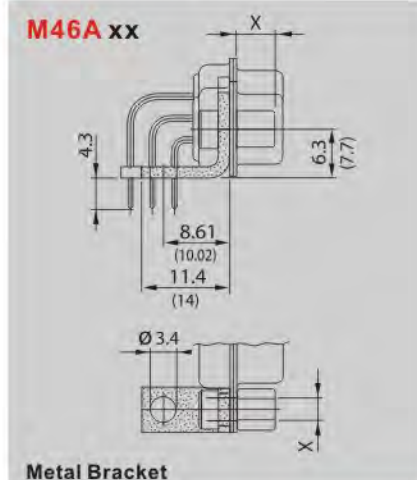
M57 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M57 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M57 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M57 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	

ASSEMBLIES, Mounting Height 6.3 mm

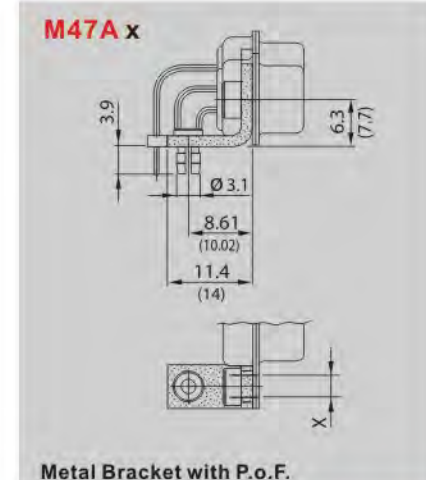
For solder pin 90°, 7.18 mm (YCA)



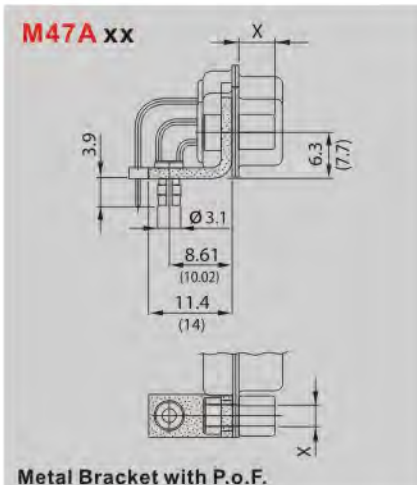
M46A D3	Rivet	Ø 3.1 mm
M46A UN	Back Nut	UNC 4-40
M46A M3	Back Nut	M3



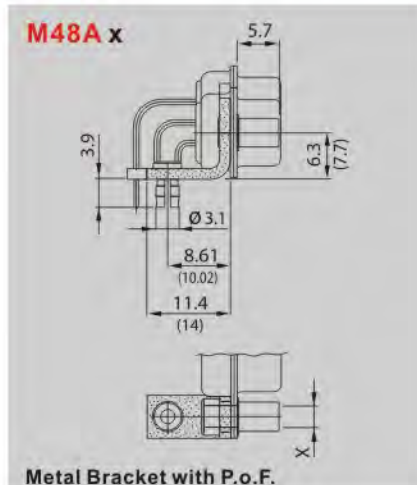
M46A UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M46A UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M46A M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M46A M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



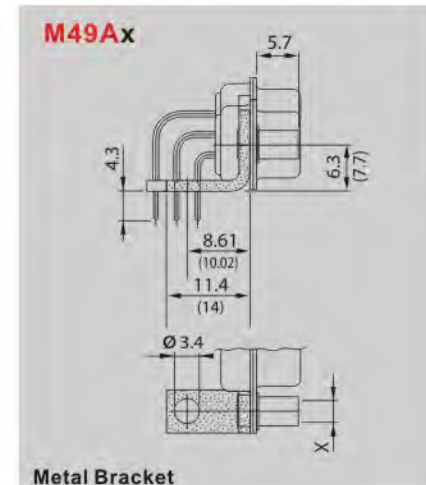
M47A D3	Rivet	Ø 3.1 mm
M47A UN	Back Nut	UNC 4-40
M47A M3	Back Nut	M3



M47A UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M47A UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M47A M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M47A M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



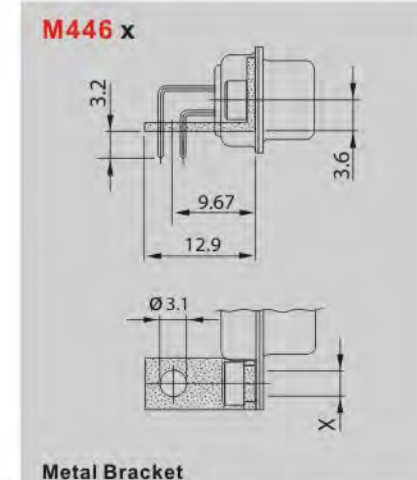
M48A UN	Front Nut	UNC 4-40
M48A M3	Front Nut	M3



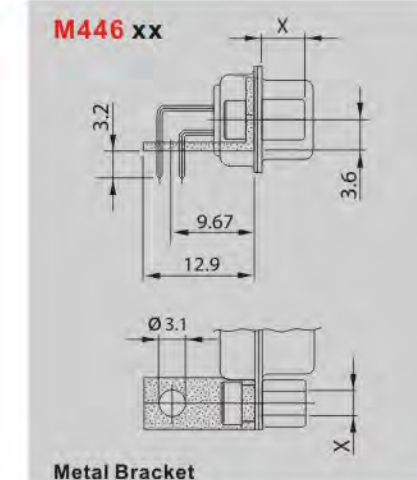
M49A UN	Front Nut	UNC 4-40
M49A M3	Front Nut	M3

ASSEMBLIES, Mounting Height 3.6 mm

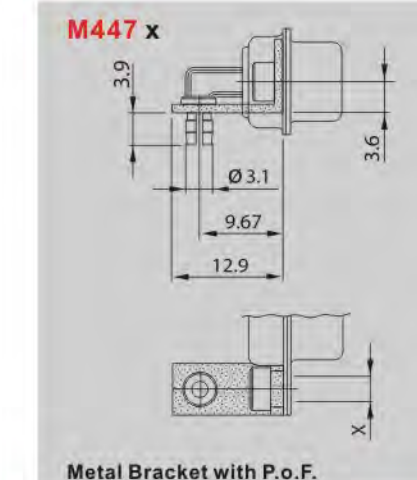
For solder pin Eurostyle, 8.4 mm (YC-E)



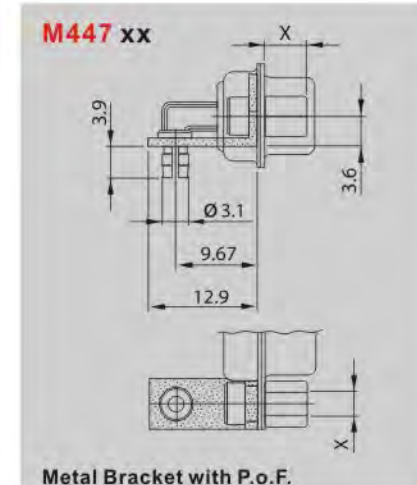
M446 D3	Rivet	Ø 3.1 mm
M446 UN	Back Nut	UNC 4-40
M446 M3	Back Nut	M3



M446 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M446 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M446 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M446 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



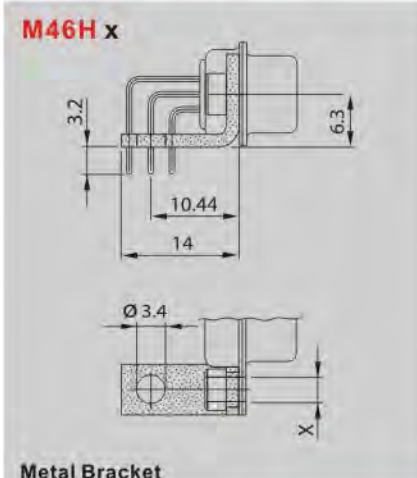
M447 D3	Rivet	Ø 3.1 mm
M447 UN	Back Nut	UNC 4-40
M447 M3	Back Nut	M3



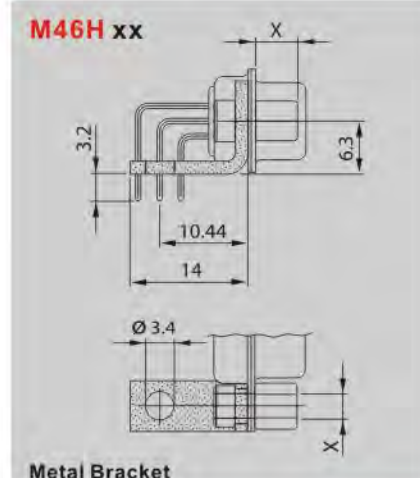
M447 UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M447 UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M447 M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M447 M3 B6	Back Nut	M3
	with Screw, 6 mm thread	

ASSEMBLIES, Mounting Height 6.3 mm

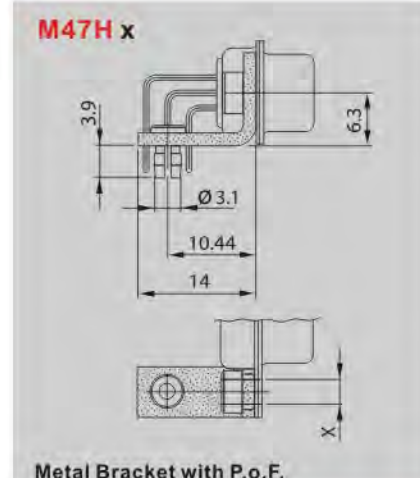
For solder pin 90°, 7.9 mm (YC-E) High Density Only



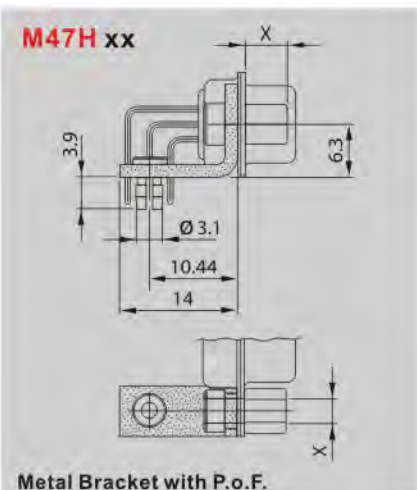
M46H D3	Rivet	Ø 3.1 mm
M46H UN	Back Nut	UNC 4-40
M46H M3	Back Nut	M3



M46H UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M46H UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M46H M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M46H M3 B6	Back Nut	M3
	with Screw, 6 mm thread	



M47H D3	Rivet	Ø 3.1 mm
M47H UN	Back Nut	UNC 4-40
M47H M3	Back Nut	M3



M47H UN B5	Back Nut	UNC 4-40
	with Screw, 5 mm thread	
M47H UN B6	Back Nut	UNC 4-40
	with Screw, 6 mm thread	
M47H M3 B5	Back Nut	M3
	with Screw, 5 mm thread	
M47H M3 B6	Back Nut	M3
	with Screw, 6 mm thread	

DVI CONNECTORS

MHDVI-SERIES

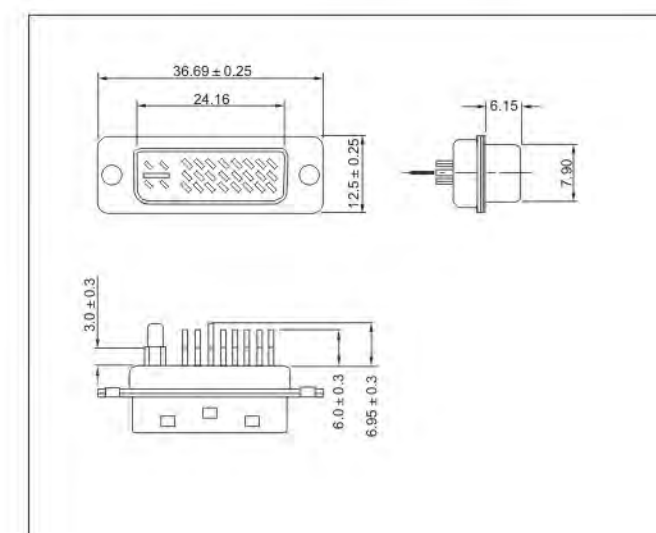
TECHNICAL SPECIFICATIONS

Material:
 Connector Housing: Glass-Filled TP BLACK
 UL94 V-0 Class
 Contacts: Brass
 Shell: Steel, Tin-plated over Ni

Electrical Specifications:
 Voltage Rating: 500 V AC R.M.S.
 Current Rating: 1,5 Amp
 Insulation Resistance: 1000 MΩ Min.
 Contact Resistance: 20 mΩ Max. (Initial)
 Operating Temperature: -20°C to +85°C



Male Connector
 - Suitable for Cable and Hood Mounting



	17 Contacts Analog 12+4+Key
	19 Contacts Digital Single Link 18+Key
	23 Contacts Analog / Digital 18+4+Key
	25 Contacts Digital Dual Link 24+Key
	29 Contacts Analog / Digital 24+4+Key

Ordering information:

Size/Type:	Part Number:	Product Code:
17-pin Analog	3401-0101-01	On request
19-pin Digital-S	3401-0101-02	On request
23-pin A/D	3401-0101-03	On request
25-pin Digital-D	3401-0101-04	MHDVI-25-MCD
29-pin A/D	3401-0101-05	MHDVI-29-MCAD

Standard parts are 25 and 29 pins
 17, 19 and 23 pins are available on request.

The male MHDVI connector suit Shielded Hood
 MHDVI-CM found on page 103.

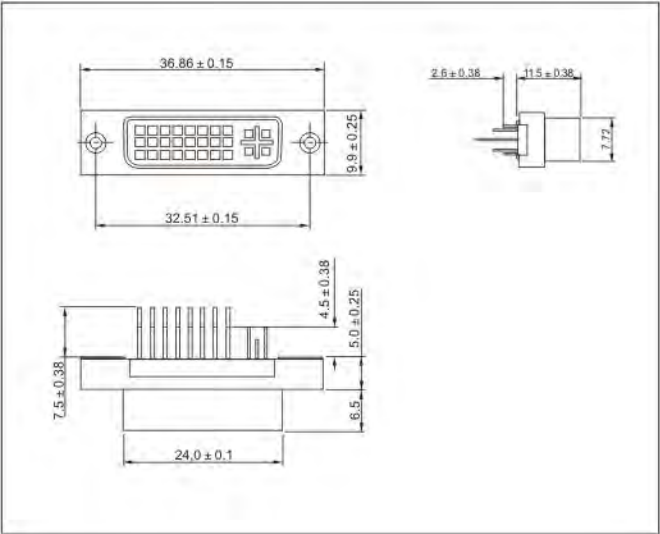
TECHNICAL SPECIFICATIONS

Material:
Connector Housing: Glass-Filled TP
UL94 V-0 Class
Contacts: Phosphor, Bronze
Gold-Flash
Shell: Zinc Alloy, Ni-plated

Electrical Specifications:
Voltage Rating: 500 V AC R.M.S.
Current Rating: 1,5 Amp
Insulation Resistance: 1000 MΩ Min.
Contact Resistance: 20 mΩ Max. (Initial)
Operating Temperature: -20°C to +85°C



Female Connector
- Suitable for Cable and Hood Mounting



Ordering information:

Size/Type:	Part Number:	Product Code:
17-pin Analog	3401-0101-11	On request
19-pin Digital-S	3401-0101-12	On request
23-pin A/D	3401-0101-13	On request
25-pin Digital-D	3401-0101-14	MHDVI-25-FCD
29-pin A/D	3401-0101-15	MHDVI-29-FCAD

Standard parts are 25 and 29 pins
17, 19 and 23 pins are available on request.

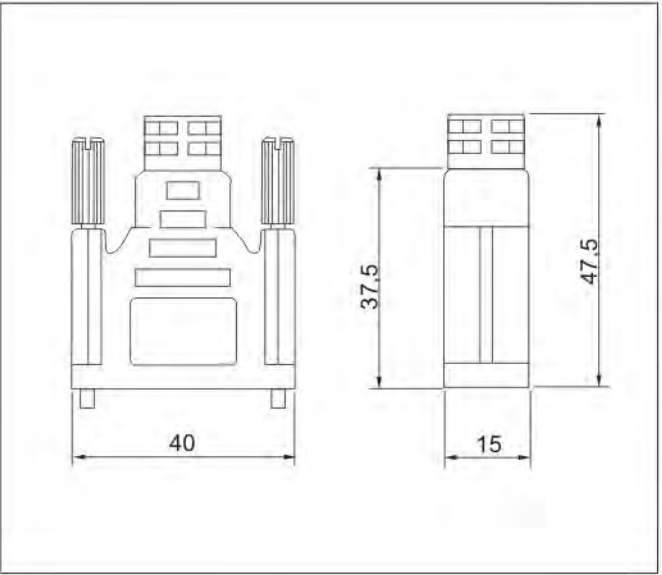
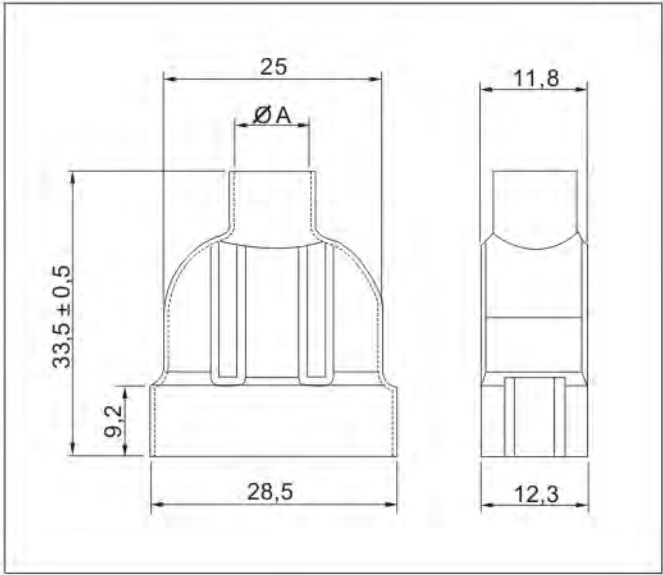
The female MHDVI connector suit Shielded Hood
MHDVI-CF found on page 104.

TECHNICAL SPECIFICATIONS

Material:
Plastic Hood: PVC
Metal Hood: SPCC, Nickel over Copper
Operating Temperature: -30°C to +90°C
Cable Entry: Top
Thumbscrews: UNC 4-40
Cable Diameter: Up to 11,0 mm



Suitable connector can be found on page 101



Ordering information:

Plastic and Metal Hoods are delivered as Kits.

P/N - BULK:	Product Code:	Cable O.D. (max)	Ø A	Ø B	Note:
3400-0105-01	MHDVI-CM-HA	6,5 mm	6,5	5,5	
3400-0105-02	MHDVI-CM-EB	7,5 mm	7,5	6,5	Commonly ordered Part
3400-0105-03	MHDVI-CM-AD	8,5 mm	8,5	7,5	
3400-0105-04	MHDVI-CM-FF	9,0 mm	9,0	8,8	Commonly ordered Part
3400-0105-05	MHDVI-CM-BE	9,5 mm	9,5	9,0	
3400-0105-06	MHDVI-CM-GG	10,0 mm	10,0	9,5	Commonly ordered Part
3400-0105-07	MHDVI-CM-CH	11,0 mm	11,0	10,0	
3400-0105-08	MHDVI-CM-IH	11,0 mm	11,0	11,0	
3400-0105-09	MHDVI-CM-DI	12,0 mm	12,0	11,0	

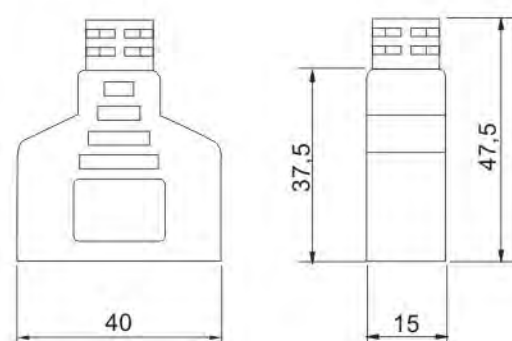
TECHNICAL SPECIFICATIONS

Material:	
Plastic Hood:	PVC
Metal Hood:	SPCC, Nickel over Copper
Operating Temperature:	-30°C to +90°C
Cable Entry:	Top
Cable Diameter:	Up to 9,5 mm

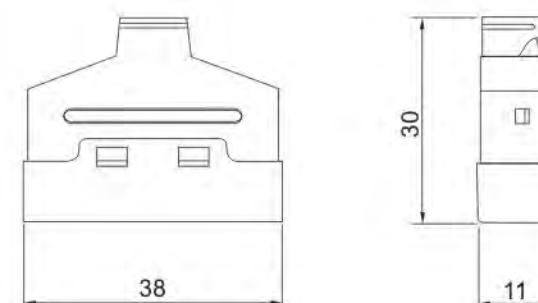


Suitable connector can be found on page 102

MHDVI-CF-8.0 / 9.5



MHDVI-CF-MC



Ordering Information: Plastic Hoods

P/N - BULK:	Product Code:	Cable O.D. (max)
3400-0106-01	MHDVI-CF-8.0	8,0 mm
3400-0106-02	MHDVI-CF-9.5	9,5 mm

Metal Hoods

P/N - BULK:	Product Code:	Cable O.D. (max)
3400-0106-10	MHDVI-CF-MC	9,5 mm

Plastic and Metal Hoods are ordered separately.
The Metal Hood MHDVI-CF-MC suit both the available Female Plastic Hoods (8,0mm - 9,5mm)

TECHNICAL SPECIFICATIONS

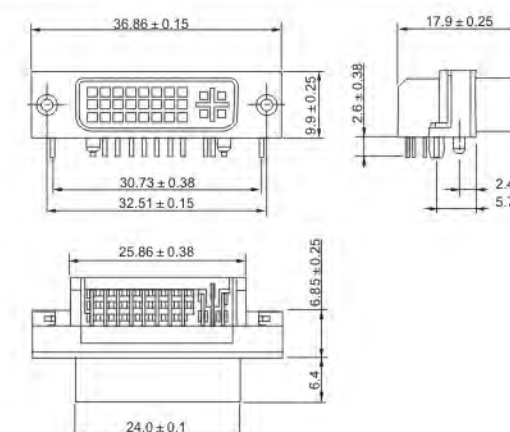
Material:	
Connector Housing:	Glass-Filled TP UL94 V-0 Class
Contacts:	Phosphor, Bronze Gold-Flash
Shell:	Zinc Alloy, Ni-plated

Electrical Specifications:	
Voltage Rating:	500 V AC R.M.S.
Current Rating:	1,5 Amp
Insulation Resistance:	1000 MΩ Min.
Contact Resistance:	20 mΩ Max. (Initial)
Operating Temperature:	-20°C to +85°C

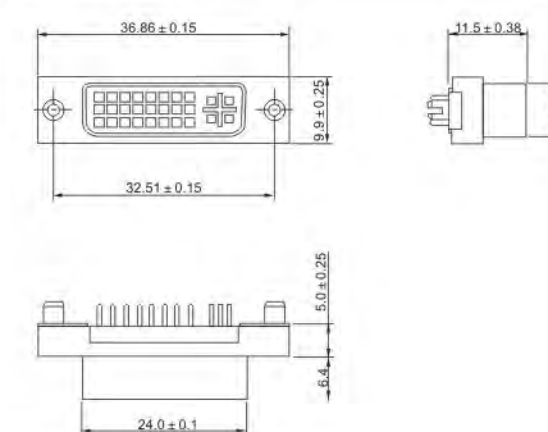


Female Connector
- Suitable for PCB Mounting

Angled PCB Connector



Straight PCB Connector



Ordering information: Angled Version

Size/Type:	Part Number:	Product Code:
17-pin Analog	3401-0102-01	On request
19-pin Digital-S	3401-0102-02	On request
23-pin A/D	3401-0102-03	On request
25-pin Digital-D	3401-0102-04	MHDVI-A25-FCD
29-pin A/D	3401-0102-05	MHDVI-A29-FCAD

Straight Version

Size/Type:	Part Number:	Product Code:
17-pin Analog	3401-0102-11	On request
19-pin Digital-S	3401-0102-12	On request
23-pin A/D	3401-0102-13	On request
25-pin Digital-D	3401-0102-14	MHDVI-S25-FCD
29-pin A/D	3401-0102-15	MHDVI-S29-FCAD



Features:

Ready-to-use HDMI Cables and Accessories

Technical Specifications:

Type A and C, 1080p (Full HD) compatible products

Cable (m):	Part Number:	Size/Type:	Version:
0.5m	3700-0001-01	28AWG, Type A	1.3
1.0m	3700-0001-02	28AWG, Type A	1.3
2.0m	3700-0001-03	28AWG, Type A	1.3
3.0m	3700-0001-04	28AWG, Type A	1.3
5.0m	3700-0001-05	28AWG, Type A	1.3
8.0m	3700-0001-06	24AWG, Type A	1.3
10.0m	3700-0001-07	24AWG, Type A	1.3
15.0m	3700-0001-08	24AWG, Type A	1.3

Product:	Part Number:	Size/Type:
HDMI Splitter	3701-0001-01	Type A, 19 Pin, 1 Input / 2 Output
HDMI Splitter	3701-0001-02	Type A, 19 Pin, 1 Input / 4 Output
HDMI Switch	3701-0002-01	2.25Gbps, 4 Input / 1 Output

Product:	Part Number:	Size/Type:
HDMI Repeater	3703-0001-01	2.25Gbps, w.Power Supp, 1080p
HDMI over Cat5	3704-0001-01	with Power Supply, 1080p

Product:	Part Number:	Size/Type:
Adapter (RA)	3704-0001-02	Male to Female (Right Angled)
Adapter A-C	3704-0001-03	Male to Female, Type A to C
Adapter A-A	3704-0001-04	Female to Female, Type A to A
Adapter DVI	3704-0001-05	Female DVI-D to Male HDMI
Adapter DVI	3704-0001-06	Male DVI-D to Female HDMI

Product:	Part Number:	Size/Type:
Wall Plate 1	3749-0001-01	HDMI, Sub-D 9, HD15 x 1
Wall Plate 2	3749-0001-02	HDMI, Sub-D 9, HD15 x 2
Wall Plate 1L	3749-0001-03	Loaded, 1 x HDMI + 155mm Cable
Wall Plate 2L	3749-0001-04	Loaded, 2 x HDMI + 155mm Cable

Clip-in-module for Wall Port System available on request.

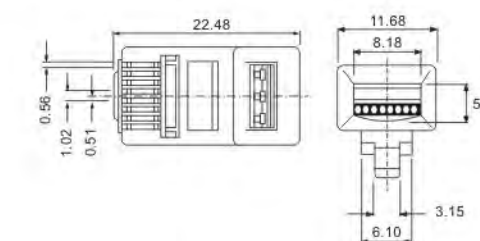
Product:	Part Number:	Size/Type:
Switch Cable	3702-0001-01	2.25Gbps, 2 Input / 1 Output
Chassis Cable	3710-0001-01	Female - Female, 155mm

Features:

- UL94V-0 polycarbonate body
- True knife blade, insulating piercing contacts
- Compatible with standard crimping tools
- Compatible with all FCC specifications
- Flat cable Plug available on request
- 50μ" gold plated contacts as standard. Other platings on request. (6, 15 & 30μ")

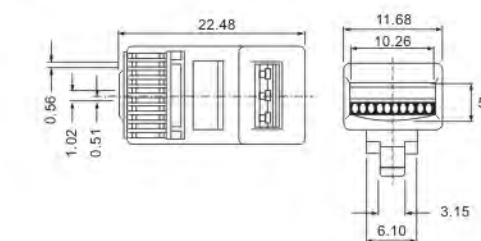


Eight Conductor / Eight Position Cable Plug RJ45



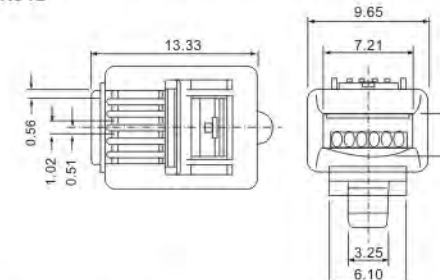
Dimensions in mm

Ten Conductor / Ten Position Plug RJ48



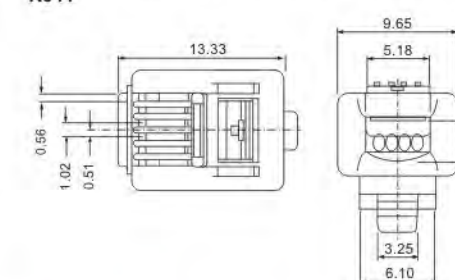
Dimensions in mm

Six Conductor / Six Position Line Cord Plug RJ12



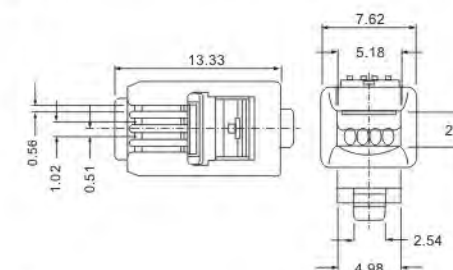
Dimensions in mm

Four Conductor / Six Position Line Cord Plug RJ11



Dimensions in mm

Four Conductor / Four Position Handset Cord Plug RJ22



Dimensions in mm

Ordering information:

Size:	P/N - BULK:	Product Code:
8P8C	6510-0104-01	MHRJ45-8P8CR
4P4C	6510-0104-02	MHRJ22-4P4CR
6P4C	6510-0104-03	MHRJ11-6P4CR
6P6C	6510-0104-04	MHRJ12-6P6CR
10P10C	6510-0104-05	MHRJ48-10P10CR

MH - MODULAR SERIES

MHRJ45SRB - Series



- Features:
- Standard version OD up to 5.6 mm
 - Small version OD up to 4.3 mm
 - Available in 11 standard colours
 - Custom colours available upon request.
 - Larger OD available on request

Ordering information: Standard 6.0 mm

Colour:	P/N - BULK:	Product Code:
Light Grey	6510-0100-01	MHRJ45SRB-LG
Dark Grey	6510-0100-02	MHRJ45SRB-DG
Blue	6510-0100-03	MHRJ45SRB-B
Yellow	6510-0100-04	MHRJ45SRB-Y
Green	6510-0100-05	MHRJ45SRB-G
Black	6510-0100-06	MHRJ45SRB-BK
Purple	6510-0100-07	MHRJ45SRB-P
White	6510-0100-08	MHRJ45SRB-W
Orange	6510-0100-09	MHRJ45SRB-O
Red	6510-0100-10	MHRJ45SRB-R
Pink	6510-0100-11	MHRJ45SRB-PK

For Small version, 4.3 mm: 6510-0101-xx / MHRJ45SRB-SM-xx

MHRJ45SRB - Translucent Series



- Features:
- Standard version OD up to 5.6 mm
 - Available in 6 standard colours
 - Custom colours available upon request.
 - Larger OD available on request

Ordering information: Standard 6.0 mm

Colour:	P/N - BULK:	Product Code:
Blue	6510-0100-21	MHRJ45SRB-TRANS-B
Yellow	6510-0100-22	MHRJ45SRB-TRANS-Y
Green	6510-0100-23	MHRJ45SRB-TRANS-G
Purple	6510-0100-24	MHRJ45SRB-TRANS-P
Orange	6510-0100-25	MHRJ45SRB-TRANS-O
Red	6510-0100-26	MHRJ45SRB-TRANS-R

MHRJ45SRB - Retrofit Series



- Features:
- Retrofit style for provision of strain relief / Colour Coding after Cable Assembly has been made. (On Site Coding)

Ordering information:

Colour:	P/N - BULK:	Product Code:
Light Grey	6510-0102-01	MHRJ45SRB-RET-LG
Dark Grey	6510-0102-02	MHRJ45SRB-RET-DG
Blue	6510-0102-03	MHRJ45SRB-RET-B
Yellow	6510-0102-04	MHRJ45SRB-RET-Y
Green	6510-0102-05	MHRJ45SRB-RET-G
Black	6510-0102-06	MHRJ45SRB-RET-BK
Purple	6510-0102-07	MHRJ45SRB-RET-P
White	6510-0102-08	MHRJ45SRB-RET-W
Orange	6510-0102-09	MHRJ45SRB-RET-O
Red	6510-0102-10	MHRJ45SRB-RET-R

MH - MODULAR SERIES

MHRJ45-SC - Shielding Can

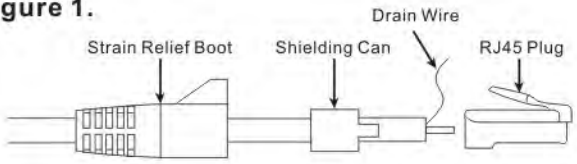


Ordering information:

Type:	P/N - BULK:	Product Code:
RJ45-SC	6510-0103-01	MHRJ45SC-GS

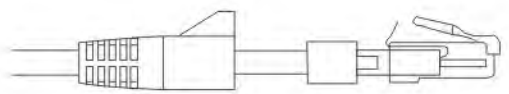
- Features:
- Shielding Can for easy conversion from UTP to FTP
 - Recommended for use with MHRJ45-8P8CR and any of the MHRJ45-SRB boots

Figure 1.



Prepare cable as you would for UTP assemblies. Place the boot onto the cable, followed by the metal can, as shown above.

Figure 2.



Terminate the RJ45 plug prior to fitting the shielding can. Bend the drain wire across the top of the RJ45 body as shown, trim if necessary.

MHRJ45-SRI - Series



Ordering information:

Colour:	P/N - BULK:	Product Code:
Light Grey	6510-0109-01	MHRJ45SRI-LG
Dark Grey	6510-0109-02	MHRJ45SRI-DG
Blue	6510-0109-03	MHRJ45SRI-B
Yellow	6510-0109-04	MHRJ45SRI-Y
Green	6510-0109-05	MHRJ45SRI-G
Black	6510-0109-06	MHRJ45SRI-BK
Red	6510-0109-10	MHRJ45SRI-R

- Features:
- Standard version OD up to 6.0 mm
 - Insert locks into place after crimp
 - Available in 7 standard colours
 - Custom colours available upon request
 - Recommended for use with MHRJ45-8P8CR plug



MH - MODULAR SERIES

MHRJJ - Modular Jacks

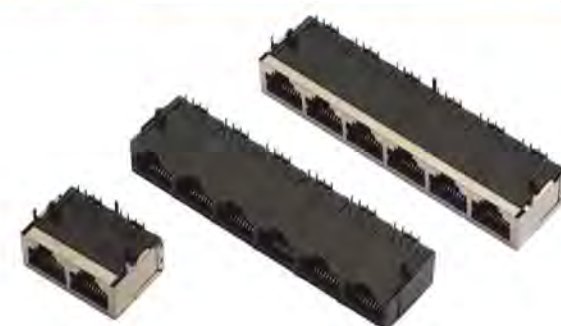


- Features:
- Available in Shielded or Unshielded
 - Available in 4, 6 and 8 pos
 - Compatible with Industry standard PCB layouts

Ordering information:

Type:	P/N - BULK:	Product Code:
6P6C-RA-Shielded	2101-0100-02	MHRJJ-66NF-RA-S
8P8C-RA-Shielded	2101-0100-03	MHRJJ-88NF-RA-S
4P4C-RA-Unshielded	2101-0100-11	MHRJJ-44NF-RA
6P6C-RA-Unshielded	2101-0100-12	MHRJJ-66NF-RA
8P8C-RA-Unshielded	2101-0100-13	MHRJJ-88NF-RA
6P4C-RA-Unshielded	2101-0100-14	MHRJJ-64NF-RA
6P6C-V-Shielded	2101-0110-02	MHRJJ-66NF-V-S
8P8C-V-Shielded	2101-0110-03	MHRJJ-88NF-V-S
4P4C-V-Unshielded	2101-0110-11	MHRJJ-44NF-V
6P6C-V-Unshielded	2101-0110-12	MHRJJ-66NF-V
8P8C-V-Unshielded	2101-0110-13	MHRJJ-88NF-V
6P4C-V-Unshielded	2101-0110-14	MHRJJ-64NF-V

MH3012 - Series



- Features:
- Available in Shielded or Unshielded
 - Available in 2, 4, 6 and 8 ports
 - Compatible with Industry standard PCB layouts

Ordering information:

Type / Size::	P/N - BULK:	Product Code:
2port - Shielded	2101-0112-01	MH3012-S-02
4port - Shielded	2101-0112-02	MH3012-S-04
6port - Shielded	2101-0112-03	MH3012-S-06
8port - Shielded	2101-0112-04	MH3012-S-08
2port - Unshielded	2101-0112-11	MH3012-02
4port - Unshielded	2101-0112-12	MH3012-04
6port - Unshielded	2101-0112-13	MH3012-06
8port - Unshielded	2101-0112-14	MH3012-08

COUPLER



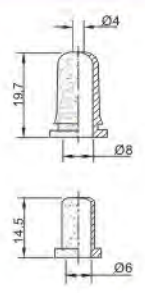
- Features:
- Available in Shielded or Unshielded
 - Compatible with Industry standard Panel Cut outs

Ordering information:

Type / Size::	P/N - BULK:	Product Code:
Unshielded Cat5e	2101-0115-01	MH3101-8821
Shielded Cat5e	2101-0115-02	MH3101S-8821

ACCESSORIES

Rubber Grommet



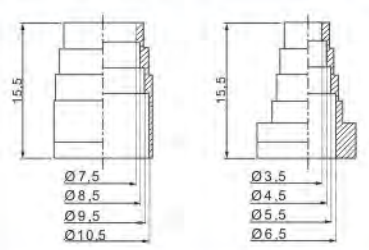
Large Grommet - suits all Plastic and also Metalized Plastic hoods in our MHDPPK and MHDSSK-Series, except MHDPPK09-SLIM.

Order Code:	Name:
6844-0103-01	Rubber Grommet, Large

Small Grommet - suit only MHDPPK09-SLIM Hoods.

Order Code:	Name:
6844-0102-01	Rubber Grommet, Small

Plastic Grommets

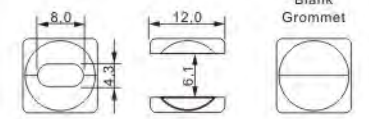


Plastic Grommet - suits all Plastic hoods in our MHDPPK and MHDSSK-Series, except MHDPPK09-SLIM.

The grommets are delivered in pair of two sizes, and they suit cable O.D.s from 3,5 mm up to 10,5 mm. Each "step" can be cut to adjust diameter. Use our Cutting Tool – page 107 – for best result.

Order Code:	Name:
6822-0121-06	Plastic Grommet

Flat Cable Grommets

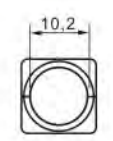


Flat Grommet - suits all hoods with a two-piece grommet set. This Grommet is a replacement set for use with Flat cables.

With this set you also get a Blank Grommet, for use in "Dummies" to blank off the cable entry.

Order Code:	Name:
6522-0121-03	DTZK-D8

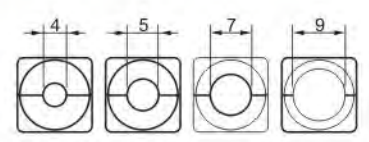
10,2 mm Grommet Set



10,2mm Grommet - suits all hoods equipped with a two-piece grommet set. This grommet is a replacement set for use with Large O.D. cables. (10mm+)

Order Code:	Name:
6522-0121-11	D45ZK-D1-10,2

Metalized Grommets



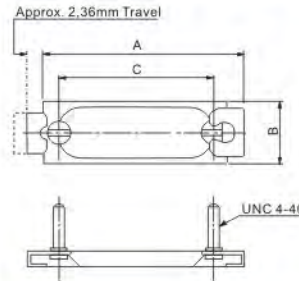
Metalized (RAHI) Grommets - suits all hoods equipped with a two-piece RA grommet set.

This grommet is a replacement set for standard RA grommet set delivered with Rapid Assembly Hoods.

Order Code:	Name:
6522-0122-01	D45ZK-D1-MET

ACCESSORIES

Slide Locks - Standard



Slide Locks:

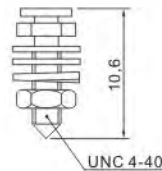
9-15-25 way

Other sizes on request

Size	A	B	C
9-way	35,4	12,7	25,0
15-way	43,7	12,7	33,3
25-way	57,4	12,7	47,1

Order Code:	Name:
6250-0113-01	Slide Lock, Size 9
6250-0113-02	Slide Lock, Size 15
6250-0113-03	Slide Lock, Size 25

Slide Lock Post - Standard



Slide Lock Post:

Suits above Standard Slide Lock System.

Order Code:	Name:
6250-0114-01	MH-STUD-8

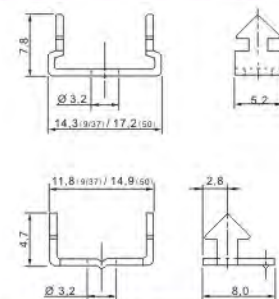
Slide Locks - Special Type for MHED-Series



Slide Lock Kits - for MHED Series are delivered as spare parts - including the Spring Lever. The Slide Lock Kits are normally supplied together in the MHED standard kits - found on page 14.

Order Code:	Name:
2802-0002-01	MHED-09SL
2802-0002-02	MHED-15SL
2802-0002-03	MHED-25SL
2802-0002-04	MHED-37SL
2802-0002-05	MHED-50SL

Mounting Flanges - Special Type for MHED-Series



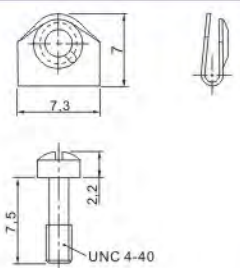
Under Flange Mounting Brackets

Order Code:	Name:
2802-0001-01	MHED-9/37-LUF
2802-0001-02	MHED-50-LUF

Over Flange Mounting Brackets

Order Code:	Name:
2802-0001-03	MHED-9/37-ROF
2802-0001-04	MHED-50-ROF

Retainer Clips



Retainer Clips:

Normally supplied kitted with screws (2+2pcs)
Can be supplied without screws in BULK package.

Order Code:	Name:
2170-0100-01	Retainer Clips, Kit incl. Screws
2750-0100-02	Retainer Clips, w/o Screws - BULK

ACCESSORIES

Locking Screws with Plastic Knobs



Threads:

- UNC 4-40
- M2.5
- M3.0
- M2.6 on request

Pic.	Order Code:	Name:	Thread	/ Length
1	6718-0101-05	Jackscrew	UNC 4-40	/ 56mm
2	6718-0101-01	Jackscrew	UNC 4-40	/ 51mm
2	6718-0101-02	Jackscrew	M 2.5	/ 51mm
2	6718-0101-03	Jackscrew	M 3	/ 51mm
3	6718-0101-04	Jackscrew	UNC 4-40	/ 41mm
4	6718-0102-01	Jackscrew	UNC 4-40	/ 51mm
4	6718-0102-02	Jackscrew	M 2.5	/ 51mm
4	6718-0102-03	Jackscrew	M 3	/ 51mm
5	6718-0102-04	Jackscrew	UNC 4-40	/ 41mm

Standard Thread Length is 4,5mm.
Other colours on knobs are available upon request.

Locking Screws, Full Metal



Threads:

- UNC 4-40
- M2.5, M2.6 and M3 on request

Pic.	Order Code:	Name:	Thread	/ Length
1	6826-0141-02	Blank JS	UNC 4-40	/ 47mm
2	6826-0141-01	Blank JS	UNC 4-40	/ 31,5mm
3	6826-0142-02	Black Chr. JS	UNC 4-40	/ 47mm
4	6826-0142-03	Black Chr. JS	UNC 4-40	/ 31,5mm
5	6826-0133-01	JS-DSSK	UNC 4-40	/ 18,1mm
6	6826-0133-04	JS-DSSK	UNC 4-40	/ 12,1mm
7	6826-0133-11	JS-DSSK-BK	UNC 4-40	/ 18,1mm
8	6826-0133-14	JS-DSSK-BK	UNC 4-40	/ 12,1mm

Female Screw Kit



Female Screw Kit:

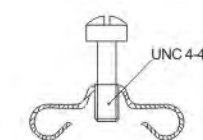
Useful when two cable connectors should be mated together.
(Hex extender + Jackscrew with slot in one part)

Kit consist of:

- 2 pcs of Slotted Jackscrew
- 2 pcs of Hex Extender
- 2 pcs of Washer

Order Code:	Name:
6250-0112-02	Female Screw Kit

Female & Male Screw Locks



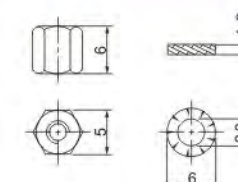
Male Screw Lock:

Order Code:	Name:
2750-0100-01	MH-MSL

Female Screw Lock:

Order Code:	Name:	(E)
2751-0111-01	DJF-5	5mm
2751-0111-02	DJF-7	7mm
2751-0111-03	DJF-8	8mm
2751-0111-04	DJF-10	10mm
2751-0111-05	DJF-14	14mm

Hex Extenders



HEX-Extender:

Thread: UNC 4-40
Length: 6 mm

Order Code:	Name:	Note:
6250-0112-01	MHCA0270	With Washer
6857-0104-01	HEX-Extender	Without Washer

ACCESSORIES

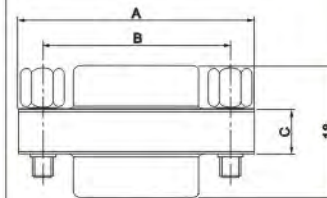
BNC Strain Relief Boots



- Available for RG58, RG59 and RG62 BNC Connectors
- Available in Blue, Green, Red, Yellow, Black & Light Grey
- Other Colours on request

Order Code:	Name:
6855-0101-x1	MHRG-yySRB-B
6855-0101-x2	MHRG-yySRB-G
6855-0101-x3	MHRG-yySRB-R
6855-0101-x4	MHRG-yySRB-Y
6855-0101-x5	MHRG-yySRB-BK
6855-0101-x6	MHRG-yySRB-LG
RG58: x = 0	yy = 58
RG59/62: x = 1	yy = 59/62

Miniature Gender Changers



Size	Dim A	Dim B	Dim C
9-way	31,2	25,0	6,0
15-way	39,5	33,3	6,0
25-way	53,4	47,1	6,0
HD15-way	31,2	25,0	6,0

Order Code:	Name:	Style:
2401-0100-01	MHDMGC-0909-MM	Male-Male
2401-0100-02	MHDMGC-1515-MM	Male-Male
2401-0100-03	MHDMGC-2525-MM	Male-Male
2401-0100-11	MHDMGC-0909-MF	Male-Female
2401-0100-13	MHDMGC-2525-MF	Male-Female
2401-0100-21	MHDMGC-0909-FF	Female-Female
2401-0100-22	MHDMGC-1515-FF	Female-Female
2401-0100-23	MHDMGC-2525-FF	Female-Female
2401-0101-02	MHDMGC-HD1515-MM	HD-Male-Male
2401-0101-12	MHDMGC-HD1515-MF	HD-Male-Female

Also available in Filter Connectors

Dust Caps - Transparent / Unshielded



Order Code:	Name:	Male Style
2105-0100-01	MHDC09-P	
2105-0100-02	MHDC15-P	
2105-0100-03	MHDC25-P	
2105-0100-04	MHDC37-P	

Order Code:	Name:	Female Style
2105-0100-11	MHDC09-S	
2105-0100-12	MHDC15-S	
2105-0100-13	MHDC25-S	
2105-0100-14	MHDC37-S	

Dust Caps - Metalized / Shielded



Order Code:	Name:	Male Style
2105-0105-01	MHDC09-P-MTZ	
2105-0105-02	MHDC15-P-MTZ	
2105-0105-03	MHDC25-P-MTZ	
2105-0105-04	MHDC37-P-MTZ	

Order Code:	Name:	Female Style
2105-0105-11	MHDC09-S-MTZ	
2105-0105-12	MHDC15-S-MTZ	
2105-0105-13	MHDC25-S-MTZ	
2105-0105-14	MHDC37-S-MTZ	

Tooling

Crimp Tool & Crimp Dies



Order Code:	Name:	Description:
6852-0116-01	MHDTCT	Tool Frame
6852-0114-01	MHCDIE-6.3	Die No. 6.3
6852-0114-02	MHCDIE-5.3	Die No. 8.0
6852-0114-03	MHCDIE-6.0	Die No. 10.0
6852-0114-04	MHCDIE-7.0	Die No. 11.5
6852-0114-05	MHCDIE-7.5	Die No. 12.0
6852-0114-06	MHCDIE-8.6	Die No. 12.5
6852-0114-08	MHCDIE-9.0	Die No. 9.0

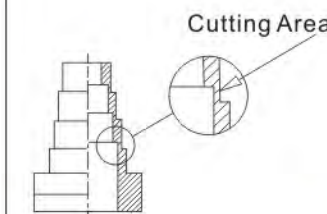
Crimp Tool Sub-D



Order Code:	Name:	Description:
6852-0117-01	DRB-0505L	For Standard Pins
6852-0117-03	DRB-0805HD	For High-Density Pins

* Machined contact crimp tool available on request

Cutter

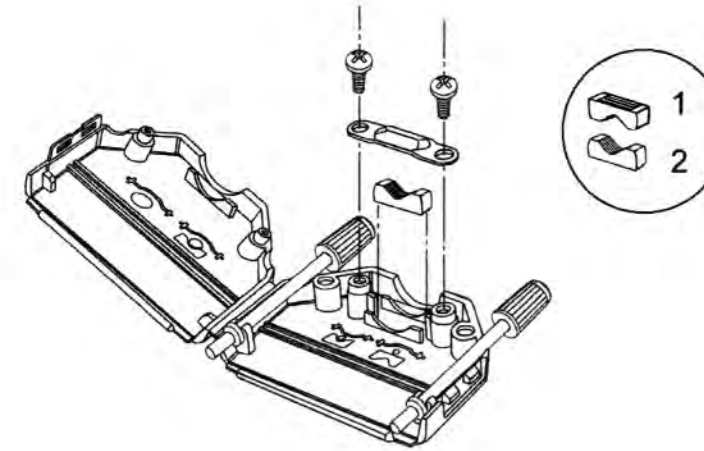


Cutter for cutting plastic and metalized plastic grommets. Recommended to achieve a smooth and burr-free cutting edge when adapting the grommet diameter to the cable.

Order Code:	Name:	Description:
6852-0131-01	Cutter	For cutting 2-piece Grommets

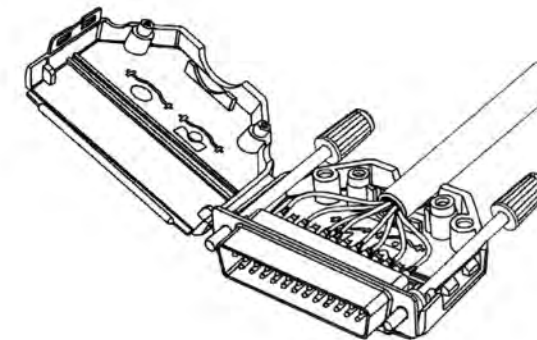
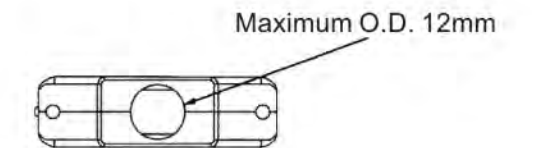
Assembly Instruction MHDPPK-SLIM Series

Schematics over the parts that is to be used in the assembly.
Inside the Connector Hood there is also a brief schematic describing the options.

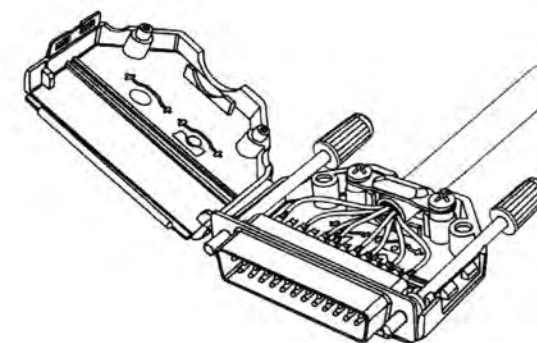


1. Please decide if option 1 or 2 suits your assembly, depending on the outer diameter of the cable.

The plastic insert can also be left out if the O.D. of the cable is large.

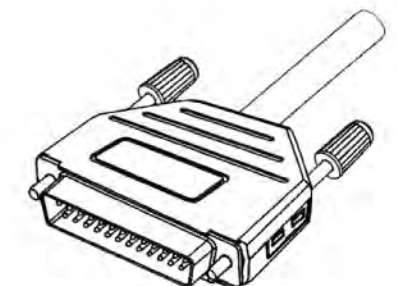


2. Place the mounted cable + connector inside the Connector Hood.



3. Mount the cable clamp and screws. Recommended Torque is 10Nm

4. Close the Connector Hood, and your assembly is ready.



Assembly Instruction MHDTPK / MHD45PPK Series

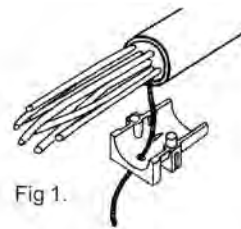


Fig 1.

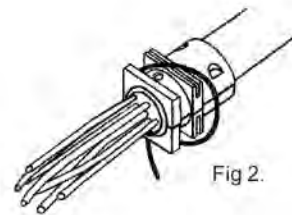
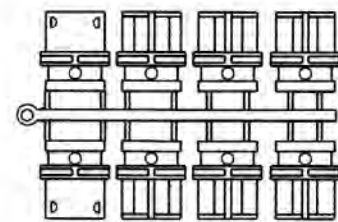


Fig 2.



Select the ferrule halves that most closely match the diameter of the cable.
(The ferrule halves do not need to match)

Foil Cable

Insert the wire through the hole in one of the two ferrule halves as shown in Fig 1.
Assemble the two halves around the cable and make sure that the insulation runs the full length of the ferrule, then complete as shown in Fig 2.

Loop the earth wire recess as shown, preferably in a "knot".
The earth wire can be insulated and extended to a contact on the connector if required.

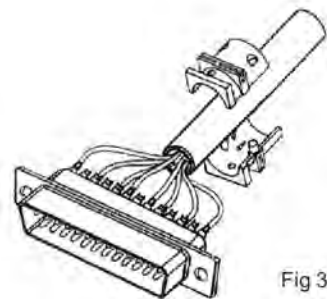


Fig 3.

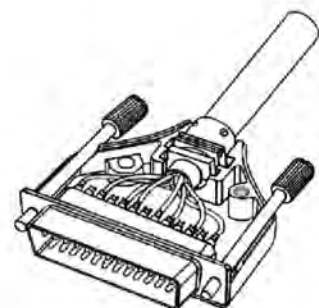
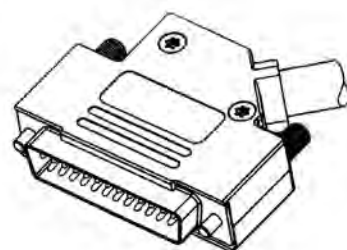


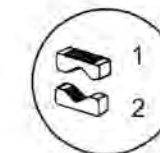
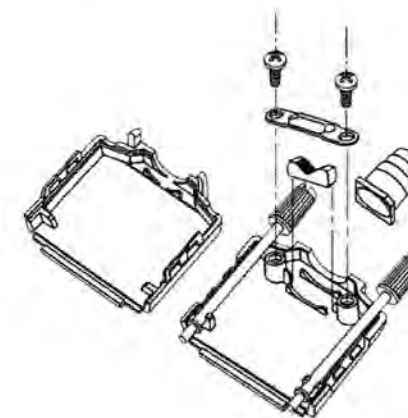
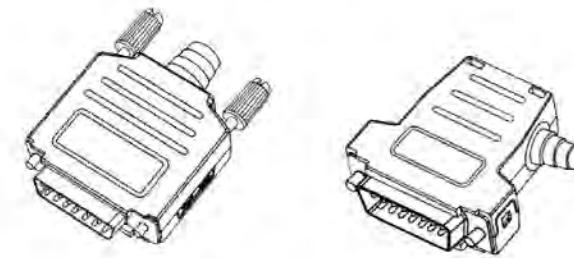
Fig 4.

Place the assembly into the hood half as shown in Fig 4.



Complete the assembly by putting the second hood half over the assembly, and tighten with accompanied screw mounting set.
Recommended Torque is 150 - 200 Ncm

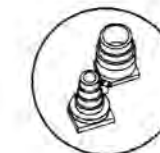
Assembly Instruction MHDPPK / MHDSSK Series



1: Preparations

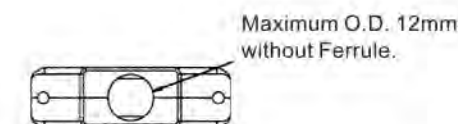
Please decide if option 1 or 2 suits your assembly, depending on the outer diameter of the cable.

The plastic Insert can also be left out if the cable O.D. is large.

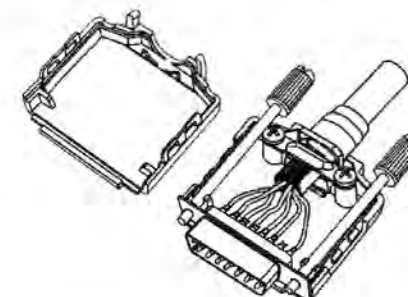
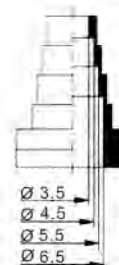


A ferrule set is bypacked, and contain 2 ferrules, with 'steps' that can be cut off to suit the cable O.D.

Please use MH Cutter for optimal result.
Part No: 6852-0131-01

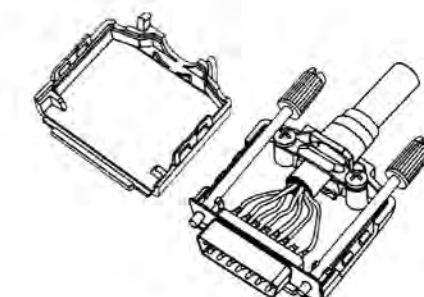


Maximum O.D. 12mm without Ferrule.



2a: Shielded Hoods

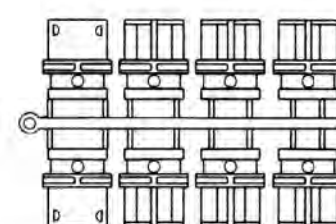
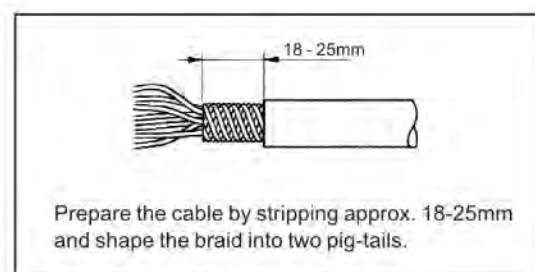
Place the mounted cable + connector inside the Connector Hood.
Pigtall the Braid and fold back under the cable clamp.
Mount the cable clamp and screws.
Recommended Torque is 10Nm.



2b: Unshielded Hoods

Place the mounted cable + connector inside the Connector Hood.
Mount the cable clamp and screws.
Recommended Torque is 10Nm.

Assembly Instruction MHDTPK / MHD45PK Series



Select the ferrule halves that most closely match the diameter of the cable.
(The ferrule halves do not need to match)

Foil Cable

Insert the wire through the hole in one of the two ferrule halves as shown in Fig 1. Assemble the two halves around the cable and make sure that the insulation runs the full length of the ferrule, then complete as shown in Fig 2.

Loop the earth wire recess as shown, preferably in a "knot".
The earth wire can be insulated and extended to a contact on the connector if required.

Braided Cable

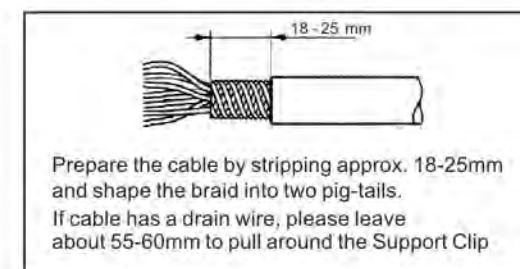
For heavily braided cables, pigtail the braid and turn it back over the ferrule as shown in Fig 3.

For light braided cables, pigtail the braid and turn it back over the ferrule in one direction only.

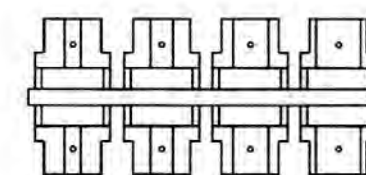
Place the assembly into the hood half as shown in Fig 4.

Complete the assembly by putting the second hood half over the assembly, and tighten with accompanied screw mounting set.
Recommended Torque is 150 - 200 Ncm

Assembly Instruction MHDZTK Standard Series



Strain relief



Support Clip



Foil Cable, with Earth / Drain Wire:

Select the ferrule halves that most closely match the diameter of the cable.
(The ferrule halves do not need to match)

Assemble the two halves around the cable and complete as shown in Fig 2.

Loop the earth wire preferably around the Clip.
The earth wire can be insulated and extended to a contact on the connector if required.

Braided Cable

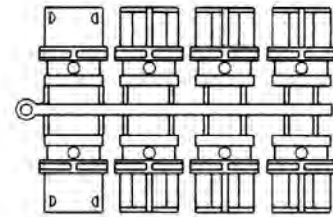
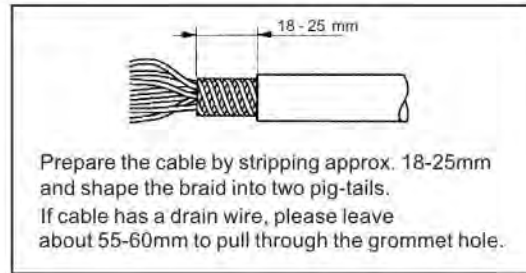
For heavily braided cables, pigtail the braid and turn it back over the Clip as shown in Fig 3.

For light braided cables, pigtail the braid and turn it back over the Clip in one direction only.

Place the assembly into the hood half as shown in Fig 4.

Complete the assembly by putting the second hood half over the assembly, and tighten with accompanied screw mounting set.
Recommended Torque is 150 - 200 Ncm

Assembly Instruction MHD TZK / MHD45ZK RA / RAH



Select the ferrule halves that most closely match the diameter of the cable.
(The ferrule halves do not need to match)

Foil Cable

Insert the wire through the hole in one of the two ferrule halves as shown in Fig 1.
Assemble the two halves around the cable and make sure that the insulation runs the full length of the ferrule, then complete as shown in Fig 2.

Loop the earth wire recess as shown, preferably in a "knot".
The earth wire can be insulated and extended to a contact on the connector if required.

Braided Cable

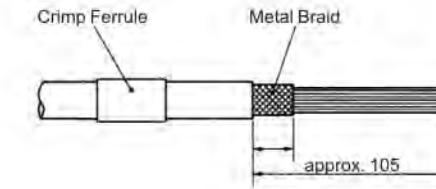
For heavily braided cables, pigtail the braid and turn it back over the ferrule as shown in Fig 3.

For light braided cables, pigtail the braid and turn it back over the ferrule in one direction only.

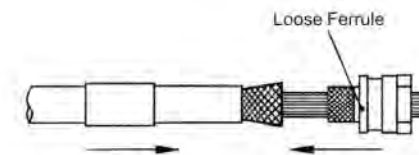
Place the assembly into the hood half as shown in Fig 4.

Complete the assembly by putting the second hood half over the assembly, and tighten with accompanied screw mounting set.
Recommended Torque is 150 - 200 Ncm

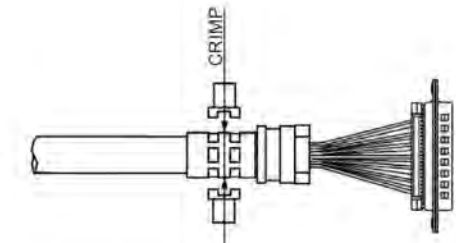
Assembly Instruction MHD TZK / MHD45ZK - ADK Series



Prepare Cable as shown.
Slide Crimp Ferrule over Cable.



Put wires through and shape Metal Braid around Loose Ferrule.



Crimp over the loose Crimp Ferrule.
Mount the Sub-D Connector.

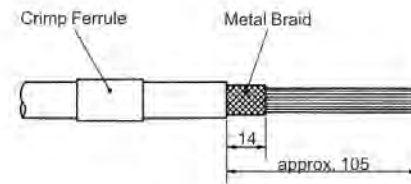


Place the assembly inside the metal cover.

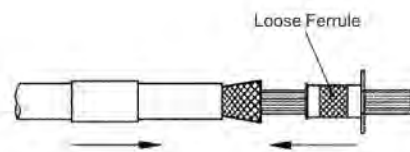


Close assembly by placing the upper Metal Part and screw together with accompanied screws.

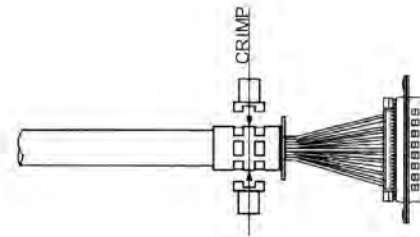
Assembly Instruction MHC / MHC35 Series



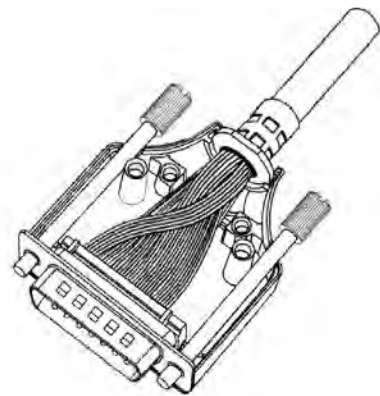
Prepare Cable as shown.
Slide Crimp Ferrule over Cable.



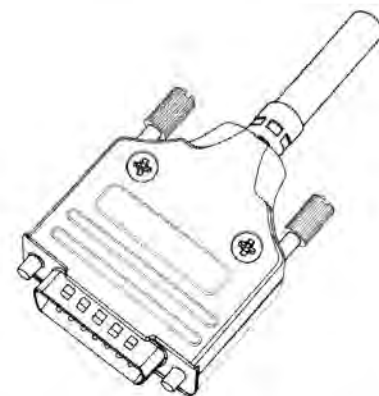
Put wires through and shape Metal Braid around Loose Ferrule.



Crimp over the loose Crimp Ferrule.
Mount the Sub-D Connector.

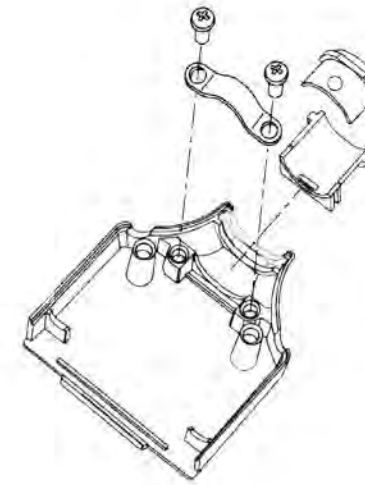


Place the assembly inside the metal cover.

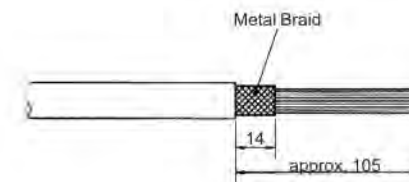


Close assembly by placing the upper Metal Part and screw together with accompanied screws.

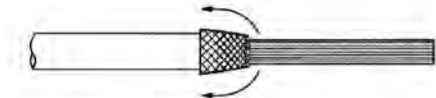
Assembly Instruction MHDM / MHDM35 Series



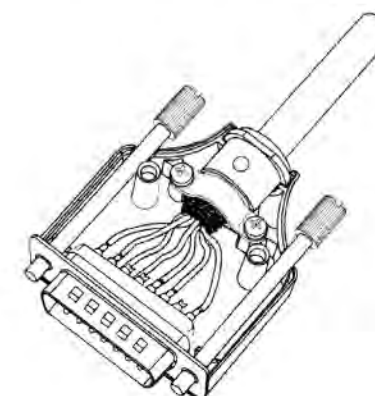
Choose Most Suitable Ferrule Size.
The Longer Part is to be Placed in lower part of the Metal Hood.



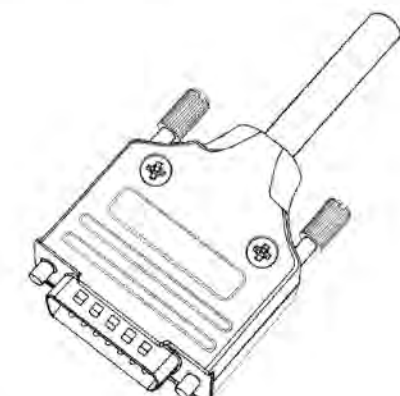
Prepare Cable as shown above.



Pull metal Braid back over the Cable Shield

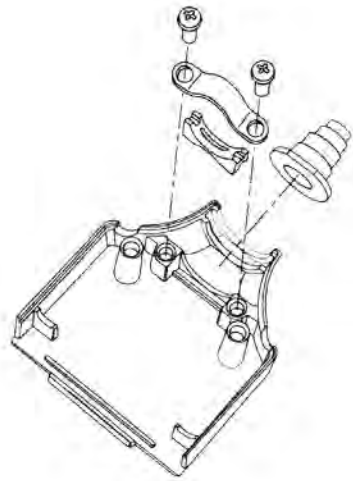


Place the Mounted Sub-D Connector and Tighten the Screws over the Clamp.



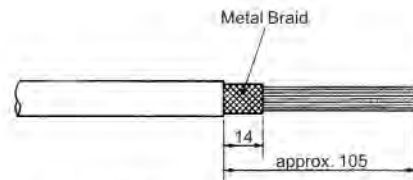
Close assembly by placing the upper Metal Part and screw together with accompanied screws.

Assembly Instruction MHEE / MHEE35 Series

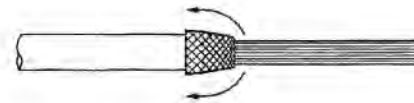


Choose Most Suitable Ferrule Size.
Ferrule can be cut-off at the 'steps' by
using MH Cutter Tool, P/N 6852-0131-01.

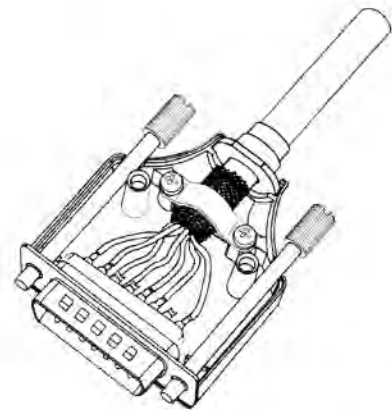
Plastic Insert can be turned either way
depending on Cable O.D.
For larger O.D. the Insert can be left out.



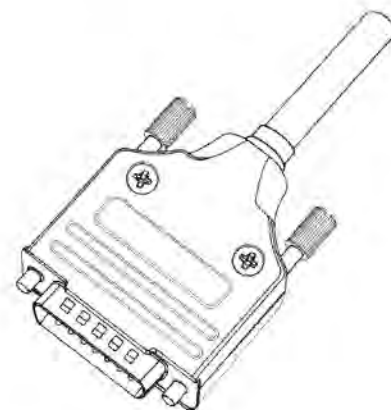
Prepare Cable as shown above.



Pull metal Braid back over the Cable Shield

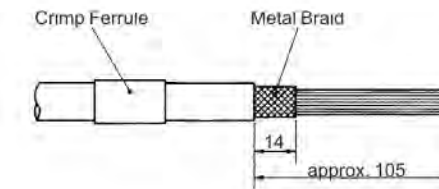


Place the Mounted Sub-D Connector
and Tighten the Screws over the Clamp.
If Large Cable Diameter - The accompanied
Insert can be left out.

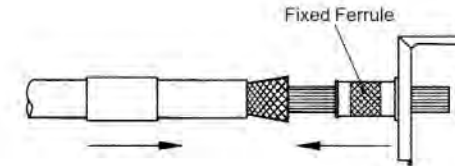


Close assembly by placing the upper
Metal Part and screw together with
accompanied screws.

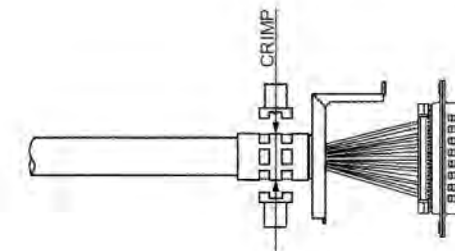
Assembly Instruction DTK - Standard (N) Series



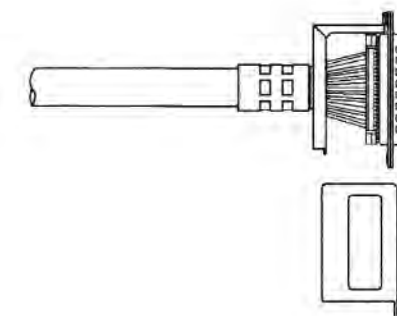
Prepare Cable as shown.
Slide Crimp Ferrule over Cable.



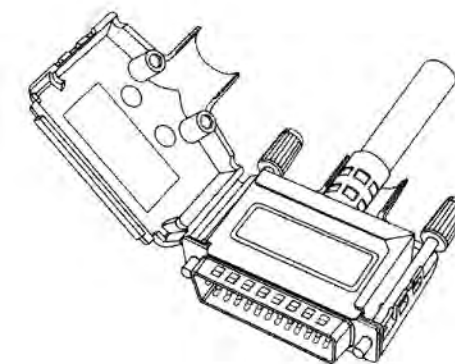
Put wires through and shape Metal Braid
around Fixed Ferrule.



Crimp over the loose Crimp Ferrule.
Mount the Sub-D Connector.

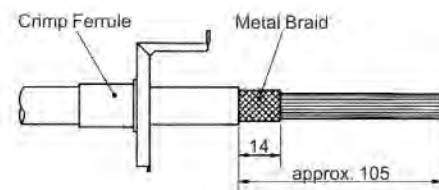


Place other piece of Metal Part
which now closes the assembly
to gain 360° Shielding.

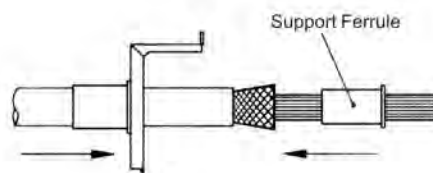


Put completed assembly inside Plastic Cover.
Your assembly is now finished.

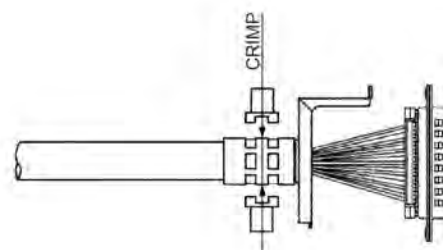
Assembly Instruction DTK / DSK - Reversed (R) Series



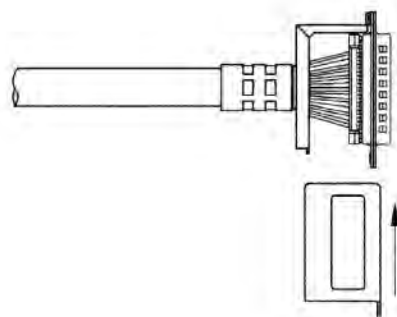
Prepare Cable as shown.
Slide Upper Metal Part over Cable.



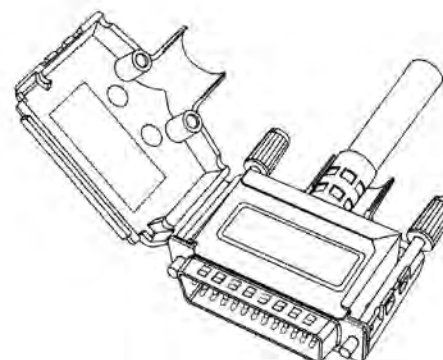
Put wires through and shape Metal Braid around Support ferrule.



Crimp over the Fixed Crimp Ferrule.
Mount the Sub-D Connector.

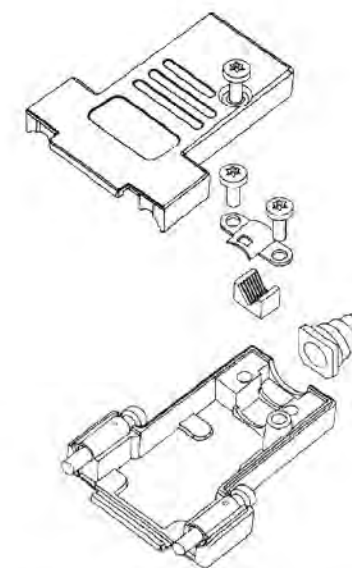


Place other piece of Metal Part which now closes the assembly to gain 360° Shielding.



Put completed assembly inside Plastic Cover.
Your assembly is now finished.

Assembly Instruction DTSL Series

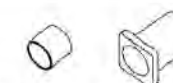


Strain Relief Insert can be mounted in two ways, depending on Cable O.D.

For larger O.D. - Simply do not use this S.R.I. to gain correct strain relief.



Select the most suitable grommet depending on cable O.D. To gain correct diameter - Simply adjust by cutting off the segments on the ferrule.



Ferrule + Rubber Grommet replaces S.R.I. and Metalized Grommet in the MHDTSLS-JSFR / -SLFR.

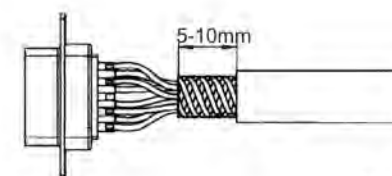


Fig. 1

Prepare Cable by stripping off the shield 5-10mm as shown in Fig. 1.

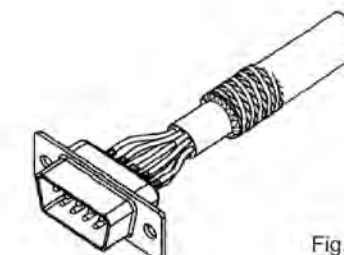


Fig. 2

Bend the braid back over the cable as shown in Fig. 2.

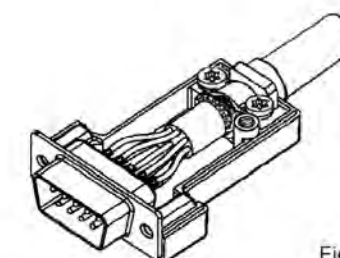


Fig. 3

Place the cable inside the bottom half and fasten the cable clamp + screws.
Make sure Grommet slides into slot properly.

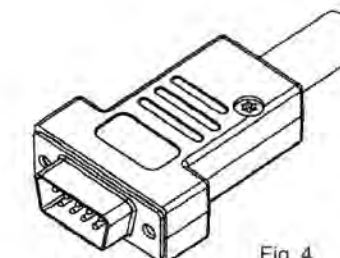


Fig. 4

Mount the Top half with accompanied screw.
Termination is now finished.

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Lined writing area for page 131.

