



SENSOR Connector

1. Specifications	164
2. How to Order	165
3. Contact Pin Arrangement	166
4. Item List	
Sensor M8(5A) · M105(2A) for Panel, Molded with Cable	167
Sensor M12(2A & 5A) for Panel, Molded with Cable, Field Installable	177
Sensor M12 B-Code(5A) for Panel, Molded with Cable, Field Installable	193
Sensor M12 D-Code(5A) for Panel, Molded with Cable, Field Installable	206
Sensor M12 I-Style(5A) for Panel, Molded with Cable, Field Installable	219



B.C.E. S.r.l.

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SPECIFICATIONS

SENSOR SERIES

No.	SPECIFICATIONS	STANDARD VALUE
01	Manufacturer Identifications	M8, M10.5, M12, M12 B-Coded, M12 D-Coded, M12 I-Style
02	Description	Panel Mount, Molded with Cable and Field Installable
03	Current Rating	M8: 5A M10.5: 2A M12: 2A, 5A M12 B-Coded: 5A M12 D-Coded: 5A M12 I-Style: 5A
04	Pin Configuration	M8: 3 to 4 Contacts M10.5: 2 to 5 Contacts M12: 3 to 5, 8 Contacts M12 B-Coded: 4 to 5 Contacts M12 D-Coded: 4 to 5 Contacts M12 I-Style: 5 Contacts
05	Material	Contacts: Copper Alloy, Gold Plated Connector Body: Nylon + GF or PU, UL Recognized Shield: Zinc Alloy or Copper Alloy, Nickel Plated
06	Temperature Range	Cable: -25°C to +90°C (PU), -20°C to +80°C (PVC) Connector Body: -25°C to +90°C
07	Waterproof Rating	IP65, IP66, IP67, IP68
08	Contact Resistance	≤ 10 mΩ
09	Insulation Resistance	≥ 100MΩ at DC 500V
10	Breakdown Voltage	≥ AC 500V/1 Minute

HOW TO ORDER

SENSOR CONNECTOR

LTW 1 - 2 3 4 5 6 - 7 8 9 10 11

LT : Liang Tei

W : Waterproof











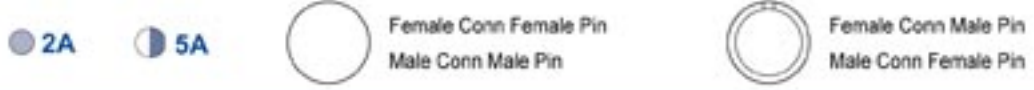







1	Connector Size	M8	8	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;">M12 B-Coded LED</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;">M12 B-Coded Plastic</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;">M12 B-Coded Shielded</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;">M12 D-Coded</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;">M12 D-Coded LED</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;">M12 D-Coded Plastic</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;">M12 D-Coded Shielded</div>
		M8 Plastic	8P	
		M10.5	10S	
		M12, M12 (I-Style)	12	
		M12 LED	12L	
		M12 Plastic, M12 I-Style Plastic	12P	
		M12 Shielded	12S	
		M12 B-Coded	12B	
2	Number of Contacts	02, 03, ..., 08		
3	Connector Type	Panel	P	
		With SR	A	
		Without SR	B	
4	Connector Gender	Male	M	
		Female	F	
5	Contact Gender	Male	M	
		Female	F	
		I-Style	I	
6	Assembly Style	PCB 180°	P	
		PCB 90°	R	
		Solder	S	
		Molded with Cable	M	
		Field Installable (Solder Pins)	A	
		Field Installable (Screw Pins)	B	
		Field Installable (IDC Pins)	C	
7	Mating Style	Lock	L	
		Screw	S	
		Quick	Q	
8	Backshell	Circular	C	
		Front Mount Hexagonal Flange	F	
		Rear Mount Hexagonal Flange	H	
		Straight	L	
		Right	R	
9	Waterproof Rating	IP66	6	
		IP67	7	
		IP68	8	
10	Version	Without Cable (001, ...)		
or 10	Standard Cable	UL2464 PVC Jacket	A	
		PU	B	
11	Cable Length (L)	01 to 99 meters (01, ...)		

CONTACT PIN ARRANGEMENTS

SENSOR CONNECTOR

SENSOR

M8	3 Contact	4 Contact		
				
M10.5	2 Contact	3 Contact	4 Contact	5 Contact
				
M12	3 Contact	4 Contact	5 Contact	8 Contact
				
 2A  5A  Female Conn Female Pin  Male Conn Male Pin  Female Conn Male Pin  Male Conn Female Pin				

SENSOR CONNECTOR: M12

Current Rating	Item Number	Number of Contacts	DESCRIPTION	Page	Old Item Number
2A & 5A	Panel				
	LTW12-PMMS-SH8001	03,04,05,08	Rear Mount. Solder. Male Connector. Hexagonal Backshell.	178	New Product
	LTW12-PFFS-SH8001	03,04,05,08	Rear Mount. Solder. Female Connector. Hexagonal Backshell.	179	New Product
	LTW12-PMM-SF8001	03,04,05,08	Front Mount. PCB 180° or Solder. Male Connector. Hexagonal Backshell.	180	New Product
	LTW12-PFF-SF8001	03,04,05,08	Front Mount. PCB 180° or Solder. Female Connector. Hexagonal Backshell.	181	New Product
	Molded with Cable				
	LTW12-FFM-S	03,04,05,08	With or Without SR. Molded with Cable. Female Connector. Straight or Right.	182	LTWM12-FFM-S
	LTW12-MMM-S	03,04,05,08	With or Without SR. Molded with Cable. Male Connector. Straight or Right.	183	LTWM12-MMM-S
	LTW12L-03BFFM-SR7	03	With LED. Without SR. Molded with Cable. Female Connector. Right.	184	LTWM12L-BFFM-S90
	LTW12P-BFFM-S	03,04,05,08	Plastic. Without SR. Molded with Cable. Female Connector. Straight or Right.	185	LTWM12P-BFFM-S
	LTW12P-BMMM-S	03,04,05,08	Plastic. Without SR. Molded with Cable. Male Connector. Straight or Right.	186	LTWM12P-BMMM-S
	LTW12S-BFFM-SL7	03,04,05,08	Shielded. Without SR. Molded with Cable. Female Connector. Straight.	187	LTWM12S-BFFM-S180
	LTW12S-BMMM-SL7	03,04,05,08	Shielded. Without SR. Molded with Cable. Male Connector. Straight.	188	LTWM12S-BMMM-S180
	Field Installable				
	LTW12-BFFA-SL8001	03,04,05,08	Without SR. Solder, or Screw Pins. Female Connector. Straight.	189	LTWM12-BFFA-S180
	LTW12-BMMA-SL8001	03,04,05,08	Without SR. Solder, or Screw Pins. Male Connector. Straight.	190	LTWM12-BMMA-S180
	LTW12P-BFFA-SL8001	03,04,05,08	Plastic. Without SR. Solder, or Screw Pins. Female Connector. Straight.	191	LTWM12P-BFFA-S180
	LTW12P-BMMA-SL8001	03,04,05,08	Plastic. Without SR. Solder, or Screw Pins. Male Connector. Straight.	192	LTWM12P-BMMA-S180

Sensor Connector M12 Series (2A and 5A) : Panel Mount (Male)



LTW12- Δ 2 PMMS-SH8001

New Product



Specifications

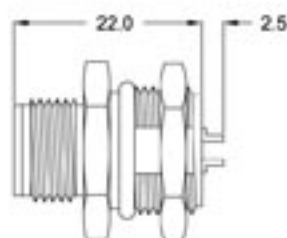
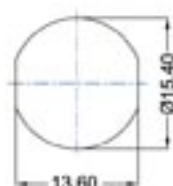
DESCRIPTION	DETAILS	CODE
1 Connector Size	M12	12
Δ Number of Contacts	3, 4, 5, 8	03,04,05,08
3 Connector Type	Panel	P
4 Connector Gender	Male	M
5 Contact Gender	Male	M
6 Assembly Style	Solder	S
7 Mating Style	Screw	S
8 Backshell	Hexagonal Rear Mount	H
9 Waterproof Rating	IP68	8
10 Version	Without Cable	001

9, 10, Excluded in Old Part Number

Material

Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon + GF, UL Recognized
 Shield : Zn Alloy or Copper Alloy, Nickel Plated
 Temperature Range : -25 °C to 90 °C

Recommended Panel Cut-Out



*Waterproof Rating: IP68 (unmated)

Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

Mating Parts



LTW12- Δ 2 Δ 3 FFM-S Δ 8 Δ 9 Δ 10 Δ 11
 See Item List



LTW12S- Δ 2 BFFM-SL7 Δ 8 Δ 9
 See Item List



LTW12L-03BFFM-SR7 Δ 8 Δ 9
 See Item List



LTW12- Δ 2 BFFA-SL8001
 See Item List

Accessories



See Item List

Sensor Connector M12 Series (2A and 5A) : Panel Mount (Female)



LTW12- Δ 2 PFFS-SH8001

New Product



Specifications

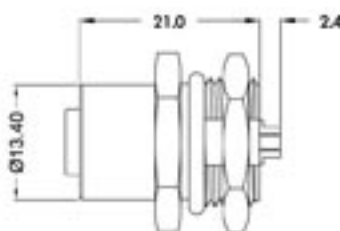
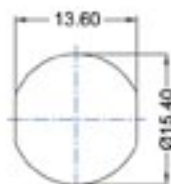
DESCRIPTION	DETAILS	CODE
1 Connector Size	M12	12
Δ Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Panel	P
4 Connector Gender	Female	F
5 Contact Gender	Female	F
6 Assembly Style	Solder	S
7 Mating Style	Screw	S
8 Backshell	Hexagonal Rear Mount	H
9 Waterproof Rating	IP68	8
10 Version	Without Cable	001

9, 10 Excluded in Old Part Number

Material

Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon + GF, UL Recognized
 Shield : Zn Alloy or Copper Alloy, Nickel Plated
 Temperature Range : -25 °C to 90 °C

Recommended Panel Cut-Out



*Waterproof Rating: IP68 (unmated)

Pin Configurations



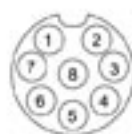
03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

Mating Parts



Accessories



Sensor M12

Sensor Connector M12 Series (2A and 5A) : Panel Mount (Male)



LTW12- Δ 2PMM Δ 6-SF8001

New Product



Material

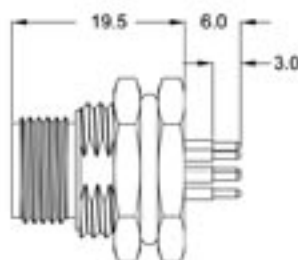
Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon + GF, UL Recognized
 Shield : Zn Alloy or Copper Alloy, Nickel Plated
 Temperature Range : -25 °C to 90 °C

Specifications

DESCRIPTION	DETAILS	CODE
1 Connector Size	M12	12
Δ Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Panel	P
4 Connector Gender	Male	M
5 Contact Gender	Male	M
Δ Assembly Style	PCB 180° or Solder	P or S
7 Mating Style	Screw	S
8 Backshell	Hexagonal Front Mount	F
9 Waterproof Rating	IP68	8
10 Version	Without Cable	001

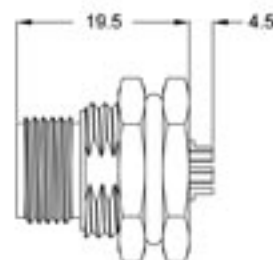
9, 10 Excluded in Old Part Number

Recommended Panel Cut-Out



Δ PCB (P)

*Waterproof Rating: IP68 (unmated)



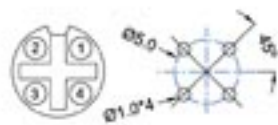
Δ Solder (S)

*Waterproof Rating: IP68 (unmated)

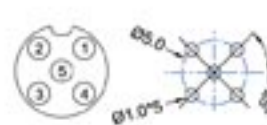
Pin Configurations and PCB Layouts



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

Mating Parts



LTW12- Δ Δ FFM-S Δ Δ Δ Δ Δ
See Item List



LTW12S- Δ BFFM-SL7 Δ Δ Δ
See Item List



LTW12L-038FFM-SR7 Δ Δ Δ
See Item List



LTW12- Δ BFFA-SL8001
See Item List

Accessories



See Item List

Sensor Connector M12 Series (2A and 5A) : Panel Mount (Female)



LTW12- Δ 2 PFF Δ 6-SF8001

New Product



Material

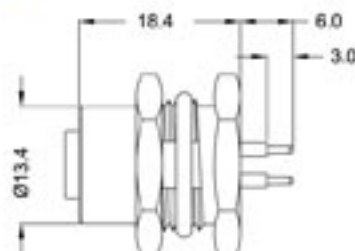
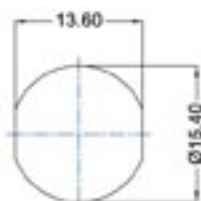
Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon +GF, UL Recognized
 Shield : Zn Alloy or Copper Alloy, Nickel Plated
 Temperature Range : -25 °C to 90 °C

Specifications

DESCRIPTION	DETAILS	CODE
1 Connector Size	M12	12
Δ 2 Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Panel	P
4 Connector Gender	Female	F
5 Contact Gender	Female	F
Δ 6 Assembly Style	PCB 180° or Solder	P or S
7 Mating Style	Screw	S
8 Backshell	Hexagonal Front Mount	F
9 Waterproof Rating	IP68	8
10 Version	Without Cable	001

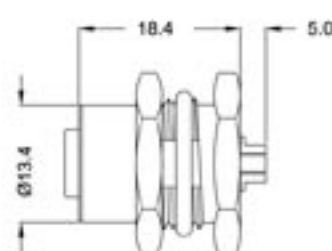
9, 10 Excluded in Old Part Number

Recommended Panel Cut-Out



Δ PCB (P)

*Waterproof Rating: IP68 (unmated)



Δ Solder (S)

*Waterproof Rating: IP68 (unmated)

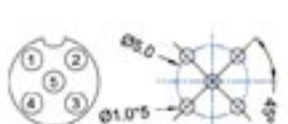
Pin Configurations and PCB Layouts



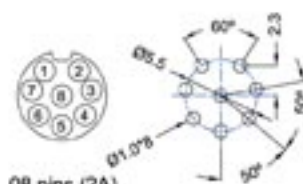
03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

Mating Parts



LTW12S- Δ BMMM-SL7 Δ Δ

See Item List



LTW12- Δ BMMA-SL8001

See Item List



LTW12- Δ Δ MMM-S Δ Δ Δ

See Item List

Accessories



See Item List

Sensor Connector M12 Series (2A and 5A) : Molded with Cable (Female)

LTW12-²³FFM-S⁸⁹¹⁰¹¹

Old Part Number: LTWM12-²³FFM-S(180 or 90)



Material

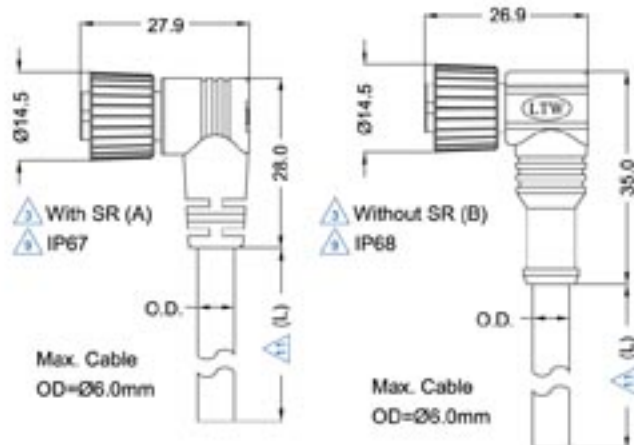
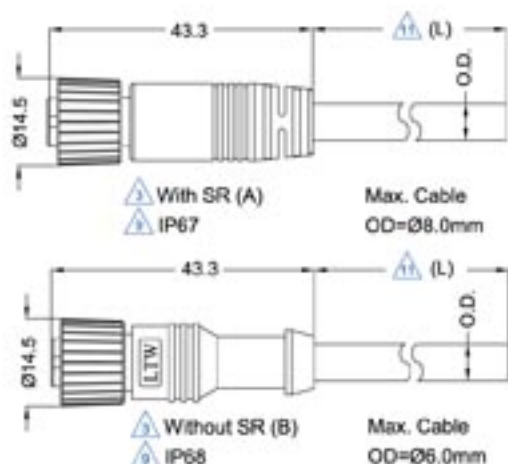
Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : PU, UL Recognized
 Cable Temperature : -25 °C to 90 °C (PU)
 : -20 °C to 80 °C (PVC)

Specifications

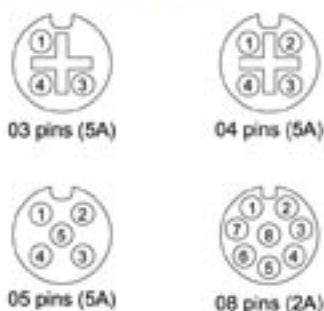
DESCRIPTION	DETAILS	CODE
1 Connector Size	M12	12
² Number of Contacts	3,4,5,8	03,04,05,08
³ Connector Type	With or Without SR	A or B
4 Connector Gender	Female	F
5 Contact Gender	Female	F
6 Assembly Style	Molded with Cable	M
7 Mating Style	Screw	S
⁸ Backshell	Straight or Right	L or R
⁹ Waterproof Rating	IP67 or IP68	7 or 8
¹⁰ Standard Cable	UL2464 or PU	A or B
¹¹ Cable Length (L)	1 to 99	01,....,99

², ¹⁰, ¹¹ Excluded in Old Part Number

SR= Strain Relief



Pin Configurations



LTW Standard Cable:

No. of Pins	Part no.	Type	Color	OD(mm)
03	WCA0570UV01	PVC	Black	5.0
	WCA00010063	PU	Black	4.5
04	WCA0571UV01	PVC	Black	5.0
	WCA00010062	PU	Black	4.8
05	WCA0521UV01	PVC	Black	5.8
	WCA00010061	PU	Black	5.0
08	WCA0203UV01	PVC	Black	5.5
	WCA00010060	PU	Black	6.0

Note: Please see Cable Index for further details

Mating Parts



Accessories



Sensor Connector M12 Series (2A and 5A) : Molded with Cable (Male)



Material

Pin	: Copper Alloy, 6u" Gold Plated
Connector Body	: PU,UL Recognized
Cable Temperature	: -25 °C to 90 °C (PU)
	: -20 °C to 80 °C (PVC)

LTW12-[△]₂[△]₃MMM-S[△]₈[△]₉[△]₁₀[△]₁₁

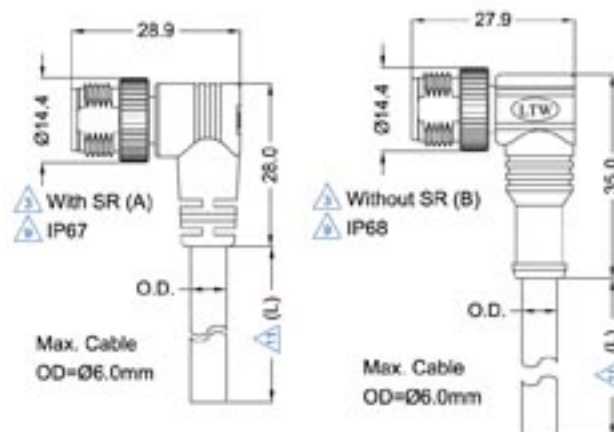
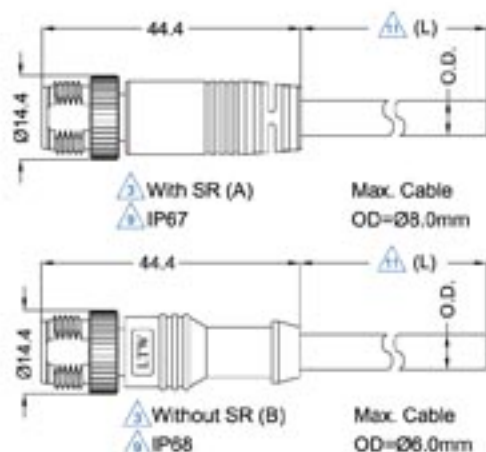
Old Part Number: LTWM12-[△]₂[△]₃MMM-S(180 or 90)

Specifications

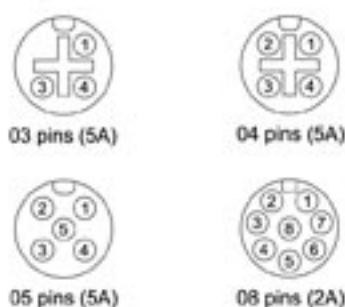
DESCRIPTION	DETAILS	CODE
1 Connector Size	M12	12
[△] Number of Contacts	3,4,5,8	03,04,05,08
[△] Connector Type	With or Without SR	A or B
4 Connector Gender	Male	M
5 Contact Gender	Male	M
6 Assembly Style	Molded with Cable	M
7 Mating Style	Screw	S
[△] Backshell	Straight or Right	L or R
[△] Waterproof Rating	IP67 or IP68	7 or 8
[△] Standard Cable	UL2464 or PU	A or B
[△] Cable Length (L)	1 to 99	01,.....99

[△]₂, [△]₃, [△]₁₁ Excluded in Old Part Number

SR= Strain Relief



Pin Configurations



LTW Standard Cable:

No. of Pins	Part no.	Type	Color	OD(mm)
03	WCA0570UV01	PVC	Black	5.0
	WCA00010063	PU	Black	4.5
04	WCA0571UV01	PVC	Black	5.0
	WCA00010062	PU	Black	4.8
05	WCA0521UV01	PVC	Black	5.8
	WCA00010061	PU	Black	5.0
08	WCA0203UV01	PVC	Black	5.5
	WCA00010060	PU	Black	6.0

Note: Please see Cable Index for further details

Mating Parts



Accessories



Sensor Connector M12 Series (5A) with LED : Molded with Cable (Female)

LTW12L-03BFFM-SR7  



Old Part Number: LTWM12L-BFFM-S90



Material

Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : PU,UL Recognized
 Cable Temperature : -25 °C to 90 °C (PU)
 : -20 °C to 80 °C (PVC)

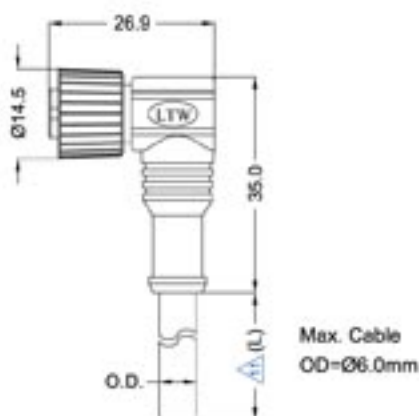
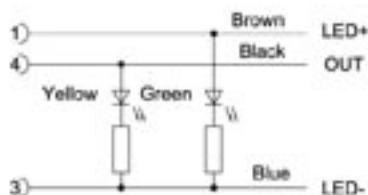
Specifications

DESCRIPTION	DETAILS	CODE
1 Connector Size	M12 with LED	12L
2 Number of Contacts	3	03
3 Connector Type	Without SR	B
4 Connector Gender	Female	F
5 Contact Gender	Female	F
6 Assembly Style	Molded with Cable	M
7 Mating Style	Screw	S
8 Backshell	Right	R
9 Waterproof Rating	IP67	7
 Standard Cable	UL2464 or PU	A or B
 Cable Length (L)	1 to 99	01,...,99

9, ,  Excluded in Old Part Number

SR= Strain Relief

PCB Circuit for LED



Pin Configuration



03 pins (5A)

LTW Standard Cable:

No. of Pins	Part no.	Type	Color	OD(mm)
03	WCA0570UV01	PVC	Black	5.0
	WCA00010063	PU	Black	4.5

Note: Please see Cable Index for further details

Mating Parts



LTW12-  MMM-S     
See Item List



LTW12- BMMA-SL8001
See Item List



LTW12- PMM  -SF8001
See Item List



LTW12- PMMS-SH8001
See Item List

Accessories



See Item List

Plastic Sensor Connector M12 Series (2A and 5A) : Molded with Cable (Female)

LTW12P-²BFFM-S⁸8¹⁰11

Old Part Number: LTWM12P-²BFFM-S(180 or 90)



Material

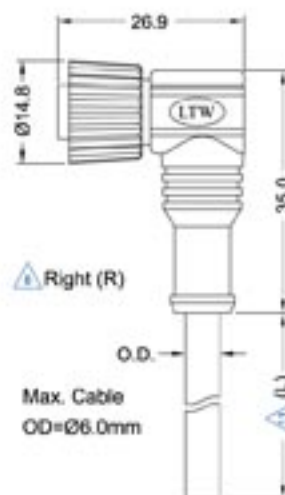
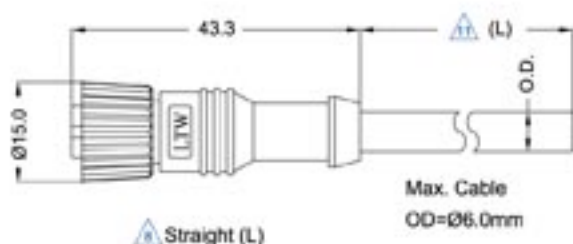
Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : PU, UL Recognized
 Cable Temperature : -25 °C to 90 °C (PU)
 : -20 °C to 80 °C (PVC)

Specifications

DESCRIPTION	DETAILS	CODE
1 Connector Size	M12 Plastic	12P
² Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Without SR	B
4 Connector Gender	Female	F
5 Contact Gender	Female	F
6 Assembly Style	Molded with Cable	M
7 Mating Style	Screw	S
⁸ Backshell	Straight or Right	L or R
9 Waterproof Rating	IP68	8
¹⁰ Standard Cable	UL2464 or PU	A or B
¹¹ Cable Length (L)	1 to 99	01,...,99

9, ¹⁰, ¹¹ Excluded in Old Part Number

SR= Strain Relief



Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

¹⁰ LTW Standard Cable:

No. of Pins	Part no.	Type	Color	OD(mm)
03	WCA0570UV01	PVC	Black	5.0
	WCA00010063	PU	Black	4.5
04	WCA0571UV01	PVC	Black	5.0
	WCA00010062	PU	Black	4.8
05	WCA0521UV01	PVC	Black	5.5
	WCA00010061	PU	Black	5.0
08	WCA0203UV01	PVC	Black	5.5
	WCA00010060	PU	Black	6.0

Note: Please see Cable Index for further details

Mating Parts



LTW12P-²BMMM-S⁴8¹⁰11

See Item List



LTW12P-²BMMA-SL8001

See Item List



See Item List

Accessory

Plastic Sensor Connector M12 Series (2A and 5A) : Molded with Cable (Male)

LTW12P- \triangle 2BMMM-S \triangle 8 \triangle 8 \triangle 10 \triangle 11

Old Part Number: LTWM12P- \triangle 2BMMM-S \triangle 8



Material

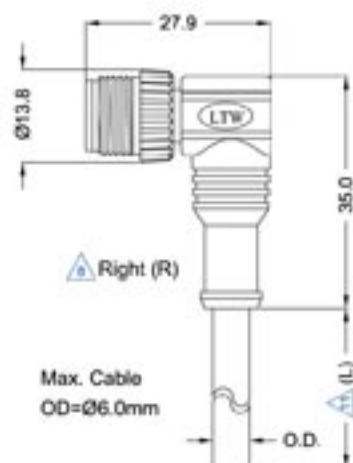
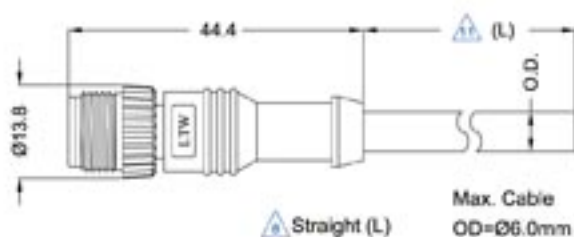
Pin : Copper Alloy, 6 μ Gold Plated
 Connector Body : PU, UL Recognized
 Cable Temperature : -25 °C to 90 °C (PU)
 : -20 °C to 80 °C (PVC)

Specifications

DESCRIPTION	DETAILS	CODE
1 Connector Size	M12 Plastic	12P
\triangle Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Without SR	B
4 Connector Gender	Male	M
5 Contact Gender	Male	M
6 Assembly Style	Molded with Cable	M
7 Mating Style	Screw	S
\triangle Backshell	Straight or Right	L or R
9 Waterproof Rating	IP68	8
\triangle Standard Cable	UL2464 or PU	A or B
\triangle Cable Length (L)	1 to 99 meters	01,...,99

9, \triangle , \triangle Excluded in Old Part Number

SR= Strain Relief



Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

\triangle LTW Standard Cable:

No. of Pins	Part no.	Type	Color	OD(mm)
03	WCA0570UV01	PVC	Black	5.0
	WCA00010063	PU	Black	4.5
04	WCA0571UV01	PVC	Black	5.0
	WCA00010062	PU	Black	4.8
05	WCA0521UV01	PVC	Black	5.5
	WCA00010061	PU	Black	5.0
08	WCA0203UV01	PVC	Black	5.5
	WCA00010060	PU	Black	6.0

Note: Please see Cable Index for further details

Mating Parts



LTW12P- \triangle BFFM-S \triangle 8 \triangle 8 \triangle 10 \triangle 11

See Item List



LTW12P- \triangle BFFA-SL8001

See Item List

Accessory



See Item List

Shielded Sensor Connector M12 Series (2A and 5A) : Molded with Cable (Female)

LTW12S-²BFFM-SL7¹⁰¹¹

Old Part Number: LTWM12S-²BFFM-S180



Material

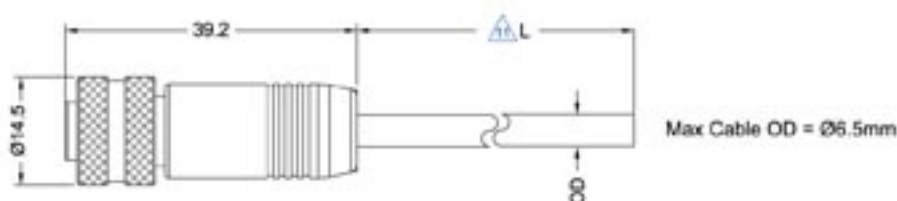
Pin	: Copper Alloy, 6u" Gold Plated
Connector Body	: Nylon + GF, UL Recognized
Shield	: Zn Alloy or Copper Alloy, Nickel Plated
Cable Temperature	: -25 °C to 90 °C (PU) : -20 °C to 80 °C (PVC)

Specifications

DESCRIPTION	DETAILS	CODE
1 Connector Size	M12 Shielded	12S
² Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Without SR	B
4 Connector Gender	Female	F
5 Contact Gender	Female	F
6 Assembly Style	Molded with Cable	M
7 Mating Style	Screw	S
8 Backshell	Straight	L
9 Waterproof Rating	IP67	7
¹⁰ Standard Cable	UL2464 or PU	A or B
¹¹ Cable Length (L)	1 to 99 meters	01,...,99

9, ¹⁰, ¹¹ Excluded in Old Part Number

SR= Strain Relief



Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

¹⁰ LTW Standard Cable:

No. of Pins	Part no.	Type	Color	OD(mm)
03	WCA00010139	PU	Black	4.5
	WCA0149UV01	PVC	Black	4.5
04	WCA00010140	PU	Black	4.8
	WCA0568UV01	PVC	Black	5.5
05	WCA00010141	PU	Black	5.2
	WCA569UV01	PVC	Black	5.5
08	WCA00010142	PU	Black	5.5
	WCA0003UV01	PVC	Black	5.5

Note: Please see Cable Index for further details

Mating Parts



LTW12-¹⁰PMMS-SH8001

See Item List



LTW12-¹⁰PMM-SF8001

See Item List



LTW12S-¹⁰BMMM-SL7¹¹

See Item List



See Item List

Accessory

Shielded Sensor Connector M12 Series (2A and 5A) : Molded with Cable (Male)

LTW12S-² BMMM-SL7¹⁰ ¹¹

Old Part Number: LTWM12S-² BMMM-S180



Material

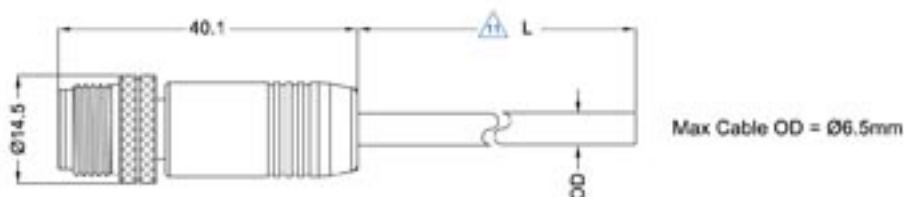
Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon +GF, UL Recognized
 Shield : Zn Alloy or Copper Alloy, Nickel Plated
 Cable Temperature : -25 °C to 90 °C (PU)
 : -20 °C to 80 °C (PVC)

Specifications

DESCRIPTION	DETAILS	CODE
1 Connector Size	M12 Shielded	12S
¹⁰ Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Without SR	B
4 Connector Gender	Male	M
5 Contact Gender	Male	M
6 Assembly Style	Molded with Cable	M
7 Mating Style	Screw	S
8 Backshell	Straight	L
9 Waterproof Rating	IP67	7
¹¹ Standard Cable	UL2464 or PU	A or B
¹¹ Cable Length (L)	1 to 99 meters	01,...,99

9, ¹⁰, ¹¹ Excluded in Old Part Number

SR= Strain Relief



Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

¹⁰ LTW Standard Cable:

No. of Pins	Part no.	Type	Color	OD(mm)
03	WCA00010139	PU	Black	4.5
	WCA0149UV01	PVC	Black	4.5
04	WCA00010140	PU	Black	4.8
	WCA0568UV01	PVC	Black	5.5
05	WCA00010141	PU	Black	5.2
	WCA569UV01	PVC	Black	5.5
08	WCA00010142	PU	Black	5.5
	WCA0003UV01	PVC	Black	5.5

Note: Please see Cable Index for further details

Mating Parts



LTW12-¹⁰ PFFS-SH8001
See Item List



LTW12-¹⁰ PFF¹⁰-SF8001
See Item List



LTW12S-¹⁰ BFFM-SL7¹⁰¹¹
See Item List



See Item List

Accessory


Sensor Connector M12 Series (2A and 5A) : Field Installable (Female)

LTW12- BFFA-SL8001

Old Part Number: LTWM12- BFFA-S180



Specifications

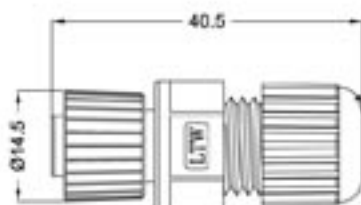
DESCRIPTION	DETAILS	CODE
1 Connector Size	M12	12
 Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Without SR	B
4 Connector Gender	Female	F
5 Contact Gender	Female	F
6 Assembly Style	Field Installable (Solder Pins)	A
7 Mating Style	Screw	S
8 Backshell	Straight	L
9 Waterproof Rating	IP68	8
10 Version	Without Cable	001

9, 10 Excluded in Old Part Number

SR= Strain Relief

Material

Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon + GF, UL Recognized
 Temperature Range : -25 °C to 90 °C



Seals for Cable OD: Ø4.5mm-Ø6.5mm

Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

Mating Parts





LTW12- PMMS-SH8001
See Item List
























LTW12- BMMA-SL8001
See Item List



LTW12- PMM- SF8001
See Item List



LTW12-                     MMM-S
See Item List

Accessories



See Item List

Sensor Connector M12 Series (2A and 5A) : Field Installable (Male)

LTW12- Δ 2 BMMA-SL8001

Old Part Number: LTWM12- Δ 2 BMMA- S180



Specifications

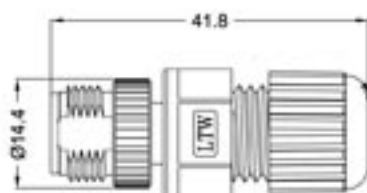
DESCRIPTION	DETAILS	CODE
1 Connector Size	M12	12
Δ 2 Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Without SR	B
4 Connector Gender	Male	M
5 Contact Gender	Male	M
6 Assembly Style	Field Installable (Solder Pins)	A
7 Mating Style	Screw	S
8 Backshell	Straight	L
9 Waterproof Rating	IP68	8
10 Version	Without Cable	001

9, 10 Excluded in Old Part Number

SR= Strain Relief

Material

Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon + GF, UL Recognized
 Temperature Range : -25 °C to 90 °C



Seals for Cable OD: Ø4.5mm-Ø6.5mm

Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

Mating Parts



LTW12- Δ PFFS-SH8001
See Item List



LTW12- $\Delta\Delta\Delta$ FFM-S $\Delta\Delta\Delta\Delta$
See Item List



LTW12- Δ PFF Δ -SF8001
See Item List



LTW12- Δ BFFA-SL8001
See Item List



LTW12L-03BFFM-SR7 $\Delta\Delta$
See Item List

Accessories



See Item List


Plastic Sensor Connector M12 Series (2A and 5A) : Field Installable (Female)

LTW12P-BFFA-SL8001

Old Part Number: LTWM12P-BFFA-S180



Specifications

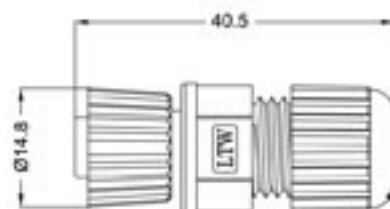
DESCRIPTION	DETAILS	CODE
1 Connector Size	M12 Plastic	12P
 Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Without SR	B
4 Connector Style	Female	F
5 Contact Gender	Female	F
6 Assembly Style	Field Installable (Solder Pin)	A
7 Mating Style	Screw	S
8 Backshell	Straight	L
9 Waterproof Rating	IP68	8
10 Version	Without Cable	001

9, 10 Excluded in Old Part Number

SR= Strain Relief

Material

Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon + GF, UL Recognized
 Temperature Range : -25 °C to 90 °C



Seals for Cable OD: Ø4.5mm~Ø6.5mm

Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

Mating Parts

Accessory



LTW12P-BMMM-S

See Item List



LTW12P-BMMA-SL8001

See Item List



See Item List

Plastic Sensor Connector M12 Series (2A and 5A) : Field Installable (Male)

LTW12P- Δ ₂BMMA-SL8001

Old Part Number: LTWM12P- Δ ₂BMMA-S180



Specifications

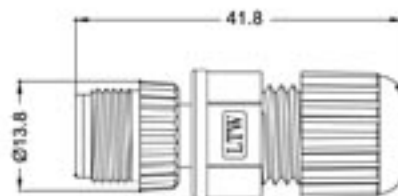
DESCRIPTION	DETAILS	CODE
1 Connector Size	M12 Plastic	12P
Δ Number of Contacts	3,4,5,8	03,04,05,08
3 Connector Type	Without SR	B
4 Connector Gender	Male	M
5 Contact Gender	Male	M
6 Assembly Style	Field Installable (Solder Pin)	A
7 Mating Style	Screw	S
8 Backshell	Straight	L
9 Waterproof Rating	IP68	8
10 Version	Without Cable	001

9, 10 Excluded in Old Part Number

SR= Strain Relief

Material

Pin : Copper Alloy, 6u" Gold Plated
 Connector Body : Nylon + GF, UL Recognized
 Temperature Range : -25 °C to 90 °C



Seals for Cable OD: Ø4.5mm-Ø6.5mm

Pin Configurations



03 pins (5A)



04 pins (5A)



05 pins (5A)



08 pins (2A)

Mating Parts



LTW12P- Δ BFFM-S Δ ₈ Δ Δ

See Item List



LTW12P- Δ BFFA-SL8001

See Item List



See Item List

Accessory

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