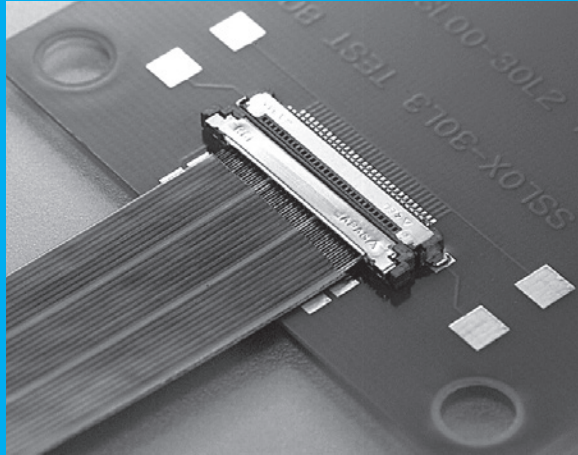


SSL SERIES

0.5mm PITCH CONNECTOR FOR MICRO COAXIAL CABLE

RoHS
Compliant



FEATURES

- ▶ Compact connector with a low profile of 1.4 mm(0.055") and a mating width of 6.08 mm(0.239").
- ▶ For micro coaxial cable(#40 AWG).
- ▶ IDC of contacts all together is adopted for improved connection reliability and more compact connectors.
- ▶ Equipped with a metal shell, noise reduction and product strength are ensured.
- ▶ Multiple ground terminals are provided for enhanced transmission characteristics and EMS protection.
- ▶ Highly reliable design with effective mating length of 0.5mm(0.020").

ORDER CODE

SSL0 - -

① ② ③ ④

*Please order in multiples of the quantity per package.

- ① **[Type]** Receptacle (PCB side connector) **SSL00** : Without positioning posts **SSL01** : With positioning posts (Right angle only)
- ② **[Number of contacts]** **10** : 10 pin **20** : 20 pin **30** : 30 pin **40** : 40 pin
- ③ **[Contact tail style]** **L3** : Right angle **S** : Straight
- ④ **[Number of packaging]** **0500** : 500pcs./1 reel **1000** : 1000pcs./1 reel **1500** : 1500pcs./1 reel (Straight only) **3000** : 3000pcs./1 reel (Right angle only)

ORDER CODE

SSL20 - **S** **B**

① ② ③ ④

*Please order in multiples of the quantity per package.

- ① **[Type]** **SSL20** : Plug (cable side connector)
- ② **[Number of contacts]** **10** : 10 pin **20** : 20 pin **30** : 30 pin **40** : 40 pin
- ③ **[Cable exit style]** **S** : Straight
- ④ **[Recommended cable]** **B** : #40 AWG Micro coaxial cable

* Plug (cable side connector) is composed of base and shell.

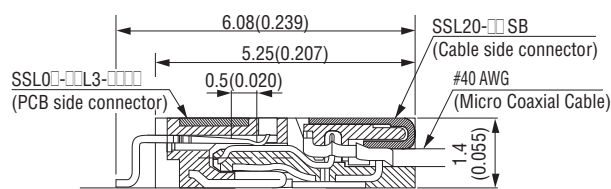
SPECIFICATIONS

Material and plating		Electrical Characteristics	
Insulator material	Glass-filled LCP(UL94V-0),Black	Current rating	0.3A per contact
Contact material	Copper alloy	Contact resistance	100mΩ max.
Contact plating	Gold over Nickel	Dielectric withstanding voltage	200V AC for 1minute
Shell material	Copper alloy	Insulation resistance	100MΩ min.at 250V DC
Shell plating	Tin copper over Nickel	Operating temperature	-40°C to +85°C
IDC cover material	[SSL20]Glass-filled LCP (UL94V-0), Off-white	Recommended cable	#40 AWG Micro coaxial cable

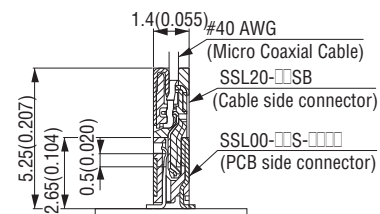
Mating Drawing

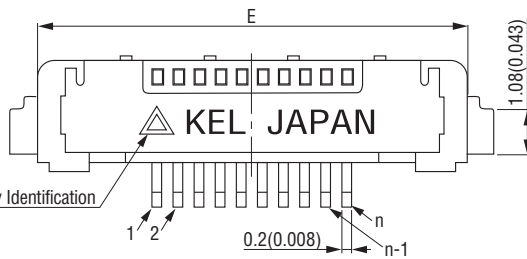
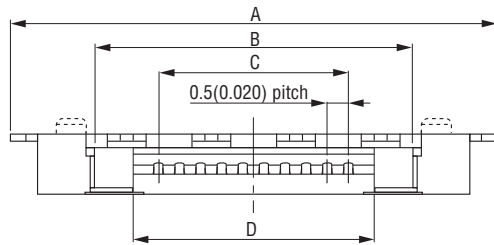
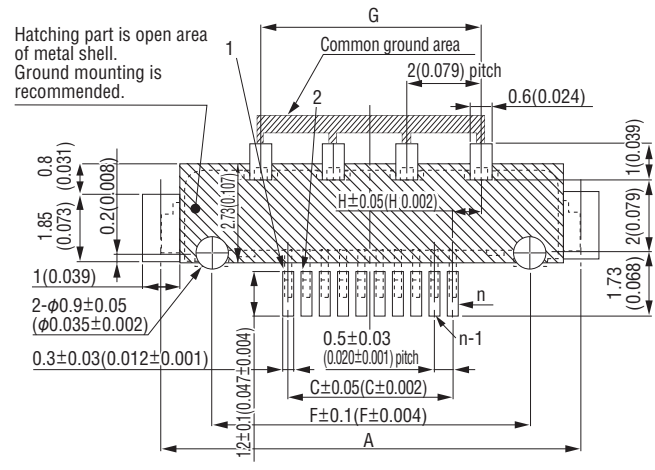
Unit : mm(inch)

Horizontal Mating

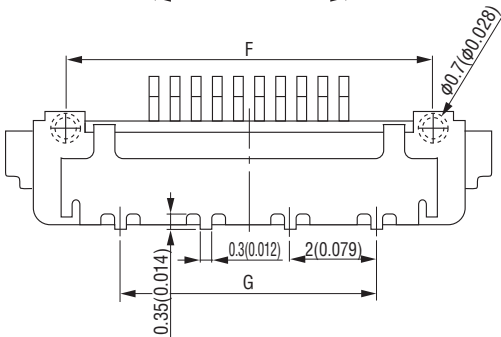
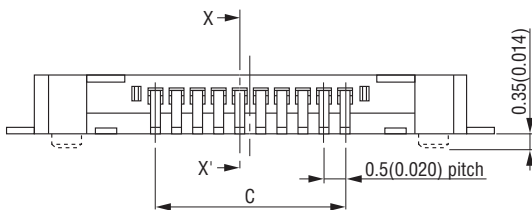
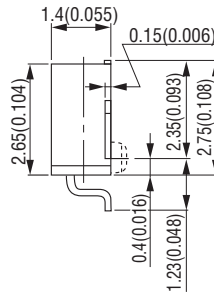
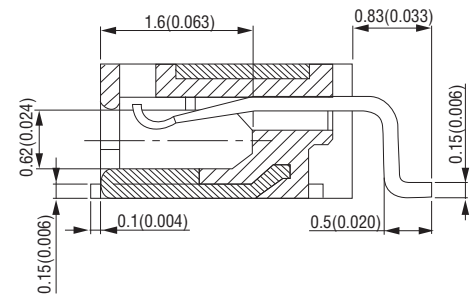


Vertical Mating



Printed Circuit Board Layout (Component Side View)


Polarity Identification


X-X' Cross Section

Ground Installation

No. of contacts	No. of ground
10	6
20	8
30	11
40	13

Packaging style

Embossed tape

Product Table

Part Number	Number of packaging
SSL0□-□□L3-0500	500
SSL0□-□□L3-1000	1,000
SSL0□-□□L3-3000	3,000

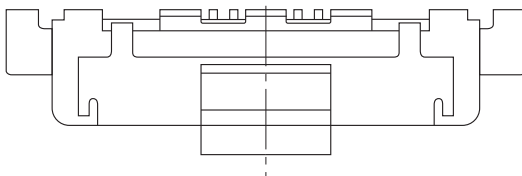
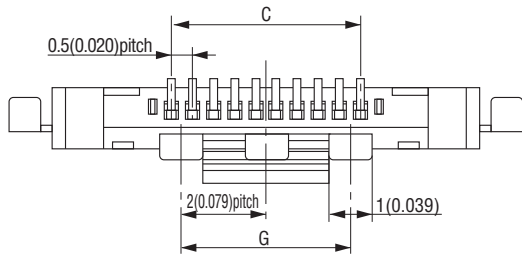
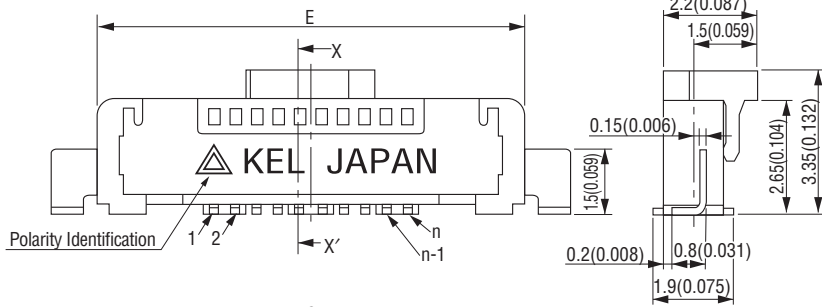
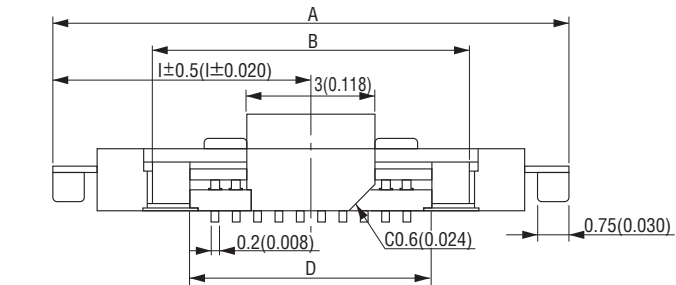
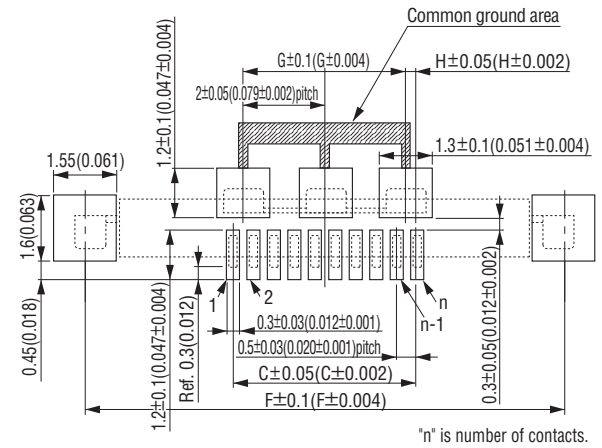
Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F	G	H
10	SSL0□-10L3-□□□□	11.4 (0.449)	7.5 (0.295)	4.5 (0.177)	5.7 (0.224)	10.1 (0.398)	8.6 (0.339)	6.0 (0.236)	0.75 (0.030)
20	SSL0□-20L3-□□□□	16.4 (0.646)	12.5 (0.492)	9.5 (0.374)	10.7 (0.421)	15.1 (0.594)	13.6 (0.535)	10.0 (0.394)	0.25 (0.010)
30	SSL0□-30L3-□□□□	21.4 (0.843)	17.5 (0.689)	14.5 (0.571)	15.7 (0.618)	20.1 (0.791)	18.6 (0.732)	16.0 (0.630)	0.75 (0.030)
40	SSL0□-40L3-□□□□	26.4 (1.039)	22.5 (0.886)	19.5 (0.768)	20.7 (0.815)	25.1 (0.988)	23.6 (0.929)	20.0 (0.787)	0.25 (0.010)

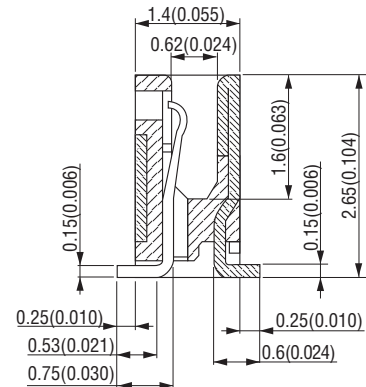
SSL00-□□S-□□□□ (Receptacle, PCB side connector, Straight)

Unit : mm(inch)

▶ Printed Circuit Board Layout (Component Side View)



X-X' Cross Section



▶ Ground Installation

No. of contacts	No. of ground
10	5
20	7
30	10
40	12

Packaging style

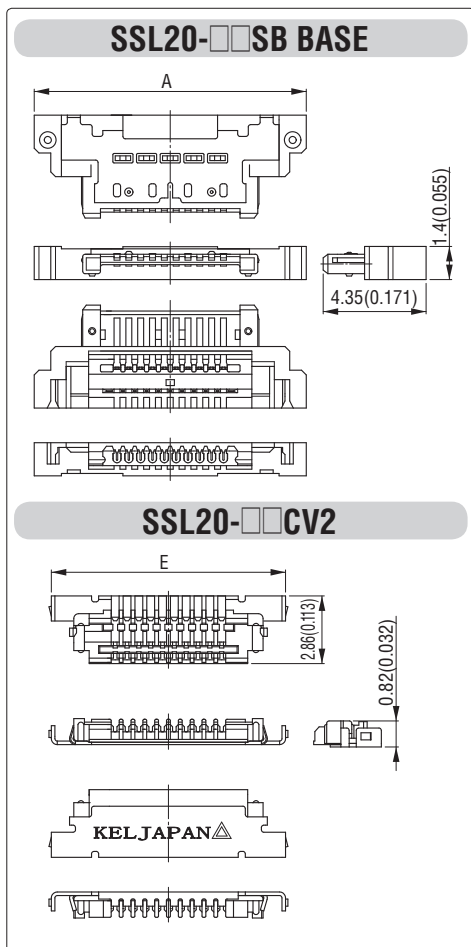
Embossed tape

▶ Product Table

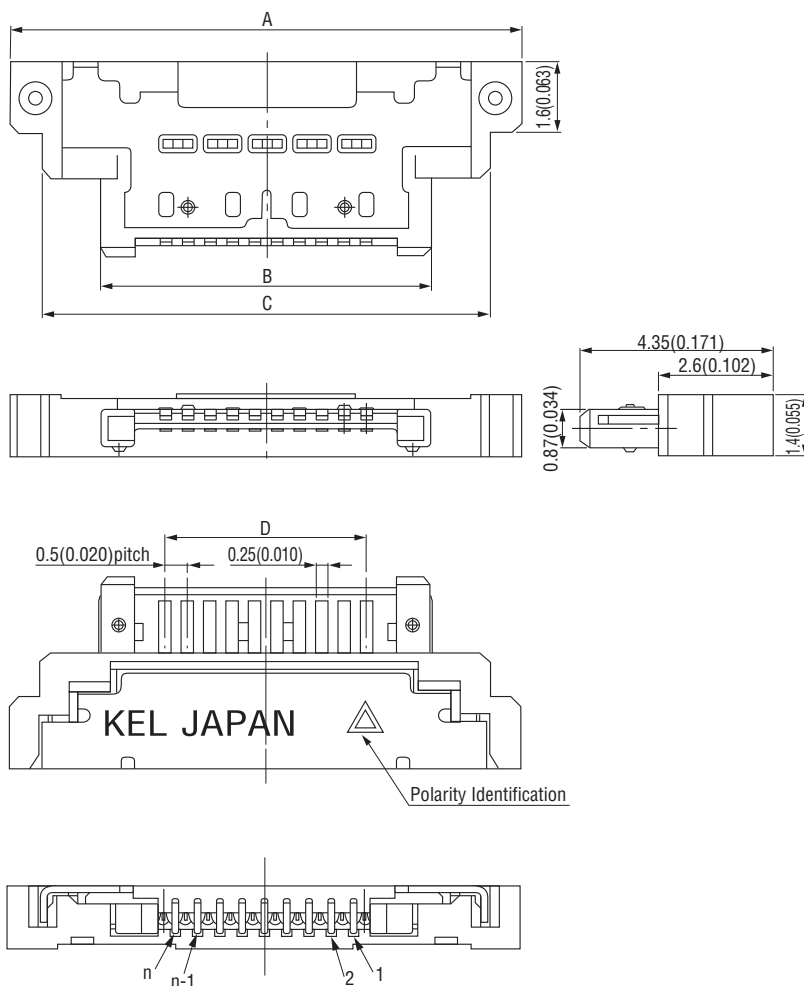
Part Number	Number of packaging
SSL00-□□S-0500	500
SSL00-□□S-1000	1,000
SSL00-□□S-1500	1,500

▶ Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F	G	H	I
10	SSL00-10S-□□□□	12.2 (0.480)	7.5 (0.295)	4.5 (0.177)	5.7 (0.224)	10.1 (0.398)	11.75 (0.463)	4.0 (0.157)	0.25 (0.010)	6.1 (0.240)
20	SSL00-20S-□□□□	17.2 (0.677)	12.5 (0.492)	9.5 (0.374)	10.7 (0.421)	15.1 (0.594)	16.75 (0.659)	8.0 (0.315)	0.75 (0.030)	8.6 (0.339)
30	SSL00-30S-□□□□	22.2 (0.874)	17.5 (0.689)	14.5 (0.571)	15.7 (0.618)	20.1 (0.791)	21.75 (0.856)	14.0 (0.551)	0.25 (0.010)	11.1 (0.437)
40	SSL00-40S-□□□□	27.2 (1.071)	22.5 (0.886)	19.5 (0.768)	20.7 (0.815)	25.1 (0.988)	26.75 (1.053)	18.0 (0.709)	0.75 (0.030)	13.6 (0.535)



*SSL20-□□SB BASE and SSL20-□□CV2 are component parts of SSL20-□□SB.



"n" is number of contacts.

Packaging style

Tray

▶ **Product Table / Dimensions**

No. of contacts	Part Number	A	B	C	D	E	Number of packaging
10	SSL20-10SB	11.5 (0.453)	7.5 (0.295)	10.1 (0.398)	4.5 (0.177)	9.9 (0.390)	160
20	SSL20-20SB	16.5 (0.650)	12.5 (0.492)	15.1 (0.594)	9.5 (0.374)	14.9 (0.587)	120
30	SSL20-30SB	21.5 (0.846)	17.5 (0.689)	20.1 (0.791)	14.5 (0.571)	19.9 (0.783)	100
40	SSL20-40SB	26.5 (1.043)	22.5 (0.886)	25.1 (0.988)	19.5 (0.768)	24.9 (0.980)	80

CABLE ASSEMBLY

ORDER CODE

SSL20- **SSB-** **.** **(** **)**

1
 2
 3 4 5
 6
 7 8
 9

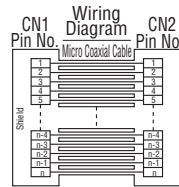
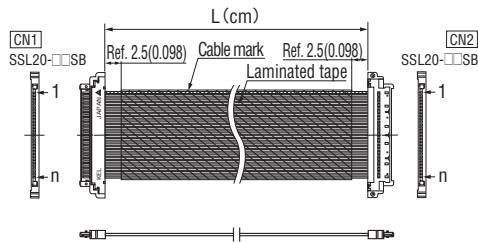
- ① **[Type]** **SSL20** : Plug (Cable side connector)
- ② **[Number of contacts]** **10** : 10 pin **20** : 20 pin **30** : 30 pin **40** : 40 pin
- ③ **[Cable exit style(Left side, CN1)]** **S** : Straight
- ④ **[Cable exit style(Right side, CN2)]** **S** : Straight
- ⑤ **[Recommended Cable]** **B** : #40 AWG Micro coaxial cable
- ⑥ **[Cable length(cm)]** **L** : Dimension (Example:013.5=13.5cm)
- ⑦ **[Wiring code]** **B** : Pin 1 to Pin 1 **C** : Pin 1 to Pin n
- ⑧ **[Laminated tape]** **Omit** : Without tape **H** : With tape
- ⑨ **[Quantity]** **(B)** : 10 to 49pcs **(C)** : 50 to 99pcs **(D)** : 100pcs or more

*Applicable cable length : 5 to 100cm Minimum cable length for SSL20-□□SSB-□□□□-□-□-□ : 7cm

► CABLE ASSEMBLY STYLE

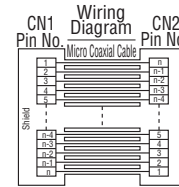
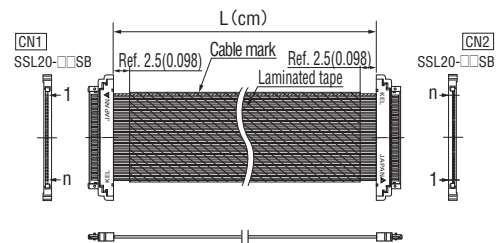
Unit : mm(inch)

Wiring Code :
Pin 1 to Pin 1



* "n" is number of contacts.

Wiring Code :
Pin 1 to Pin n



* "n" is number of contacts.

*Please contact your local KEL sales office for inquiries regarding cable length and tolerance.

*Laminated tape is designed to be a little wider than the cable width. Please contact your local KEL sales office for further details.