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Amphenol LTW

Innovation in Waterproof Solution



CATALOGUE

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SSL Connector

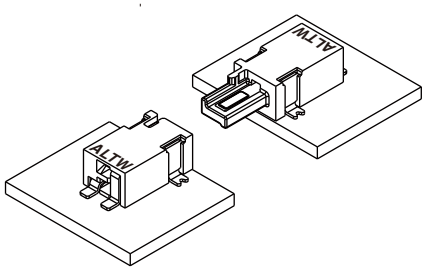


Range Overview

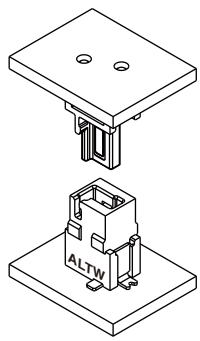
SSL 1.1

↘ Board to Board

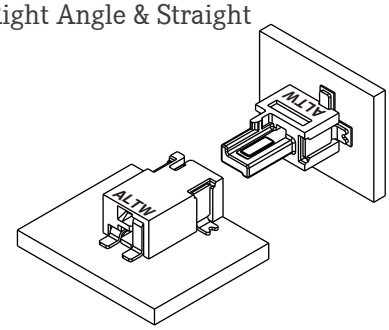
Right Angle



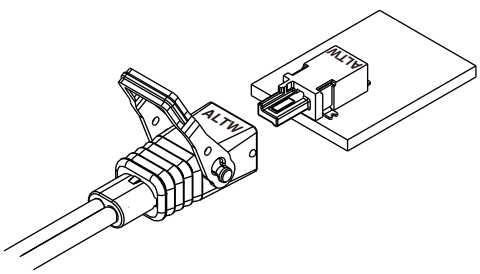
Straight



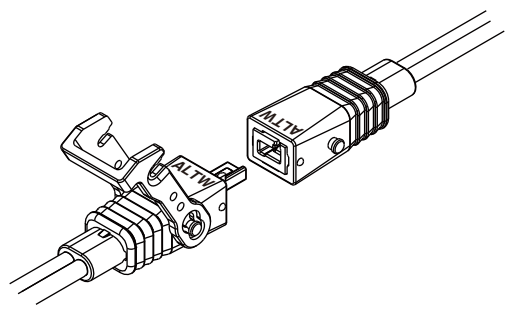
Right Angle & Straight



↘ Board to Wire



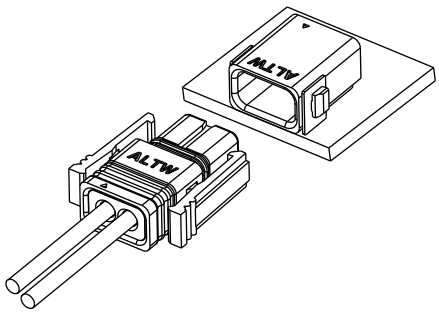
↘ Wire to Wire



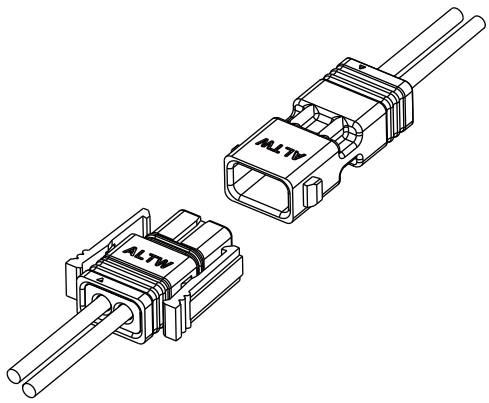
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SSL 1.2

↘ Wire to Board

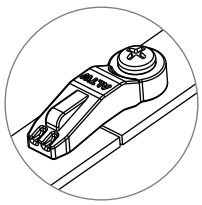


↘ Wire to Wire



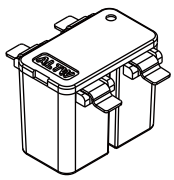
SSL 1.3 The Bridge

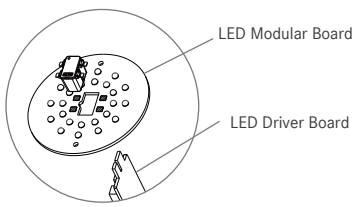
↘ Jumper



SSL 2.1 Inverted Thru Board

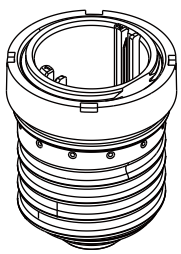
↘ Receptacle





SSL 2.3 EZ-B for E26/27 Bulb

↘ Screw Base



【Note】Design and specification are subject to change without notice.

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Specification | SSL 1.1

Identifications	SSL 1.1 DC Connector
Description	Board to Board Board to Wire Wire to Wire
Current Rating / Data	3A per pin (2, 4 & 6 pins available)
Voltage Rating	Max100 VAC / VDC
Material	Contact: Copper Alloy, Tin over Nickel Housing: Thermoplastic, UL 94V-0 Rated Hood: Thermoplastic, UL 94V-0 Rated Lock: Nylon (PA66), UL 94V-0 Rated SR: PP, UL 94V-0 Rated. UL recognized wire & flat cable available
Temperature Range	PCB Mount: -40°C ~ +105°C Wire Assemblies: -40°C ~ +100°C
Contact Resistance	≤ 20m Ω
Insulation Resistance	≥ 1000m Ω at 250VDC
Durability	100 cycles
Breakdown Voltage	1200 V AC
More to know	UL1977 / cUL / CSA C22.2

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Ordering Information | SSL 1.1

1 – 2 | 3 | 4 | 5 | 6 – 7 | 8

Connector Series
(11) SSL 1.1 None Waterproof Series

Connector (Housing) Gender
(J) Jack
(P) Plug

Number of Contacts
2,4, 6 contacts
EX. **(2)** = 2 Contacts

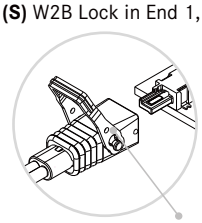
Connector Type
> For PCB Mount Type
(A) SMT Board Straight with Post
(C) SMT Board Right Angle with Post
(D) SMT Board Right Angle without Post

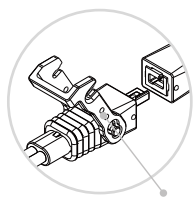
> For Wire Assembly
(L) Wire Assembly, Straight, With SR

Wires Assembly Options
> For PCB Mount Type
(00) For PCB Mount Type

> For Wire Assembly
(2J) 2-End Jack Connector
(2P) 2-End Plug Connector
(JP) End 1: Jack, End 2: Plug,
(J0) End 1: Jack, End 2: Open
(P0) End 1: Plug, End 2: Open

Lock Option
(0) None (Without Lock)
(B) W2B Lock in End 1
(W) W2W Lock in End 1
(D) With Two W2B Lock
(T) With Two W2W Lock
(S) W2B Lock in End 1, W2W Lock in End 2


Wire to Board Lock (W2B Lock)


Wire to Wire Lock (W2W Lock)

Wire Size
> For PCB Mount Type
(00) Applicable for SMT Board

> For Wire Assembly
(22) 22 AWG

Wire Assembly / Wires Type

> For PCB Mount Type
(001), (002).....
Without Wire : Different Versions

> For Wire Assembly
(□)+(■) : Wire Type + Length
EX. **(A01)** = Wire + 10cm
(□) : Wire Type
(A) UL recognized wire
(D) UL recognized flat cable
(■) : Length
From 100mm~9900mm
EX. (01) = 100mm, (02) = 200mm, (03) = 300mm .....
*Every 100mm as per extension

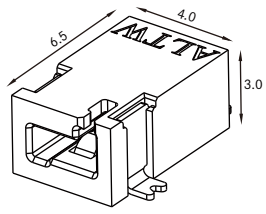
【Note】Design and specification are subject to change without notice.

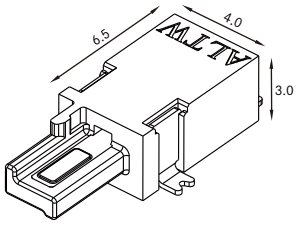
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Physical Dimension | SSL 1.1

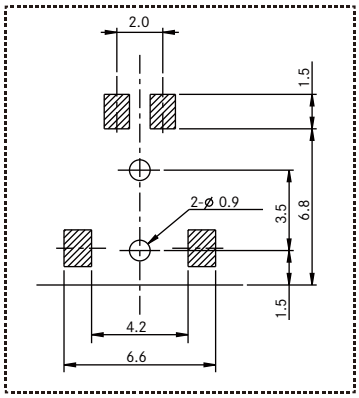
↘ PCB Mount > Right Angle

>> 2P



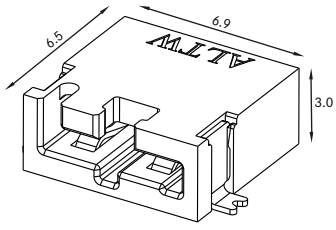


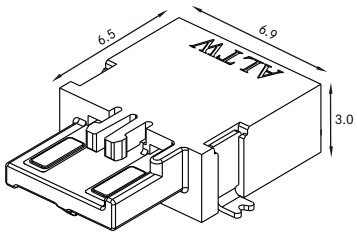
· Recommended PCB Layout



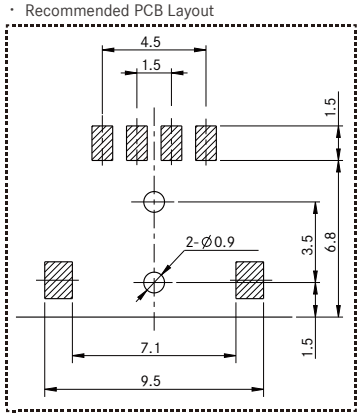
Unit: mm

>> 4P



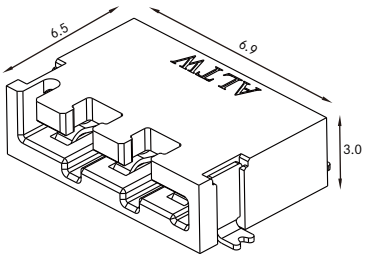


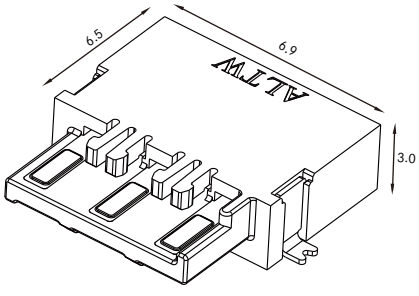
· Recommended PCB Layout



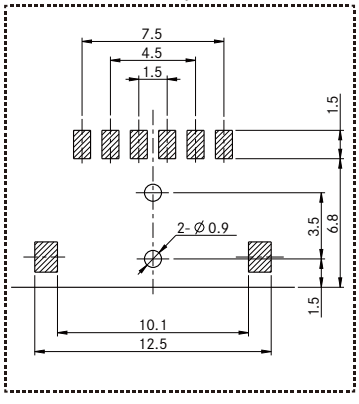
Unit: mm

>> 6P





· Recommended PCB Layout

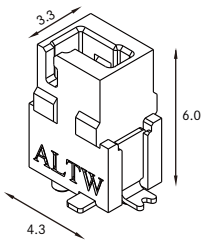


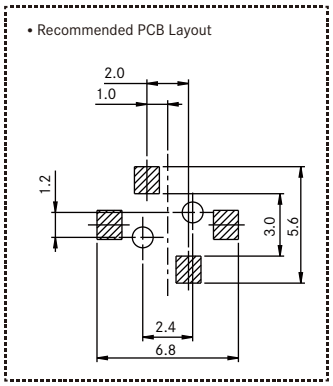
Unit: mm

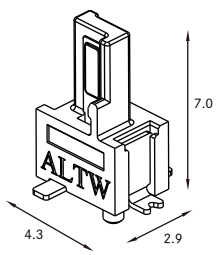
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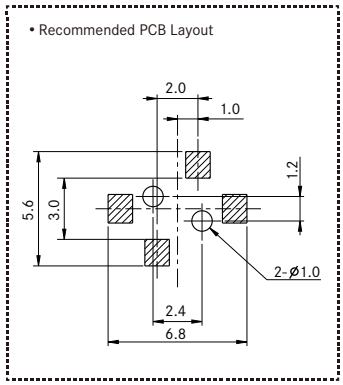
↘ PCB Mount > Straight

>> 2P



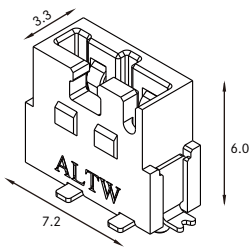


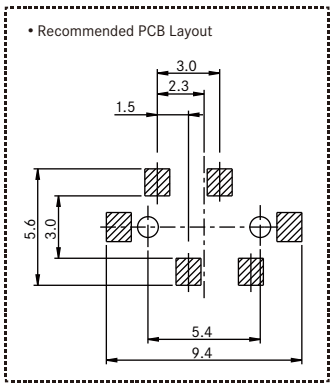


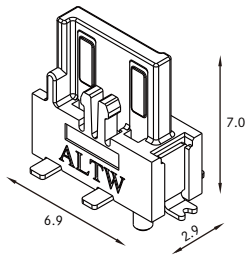


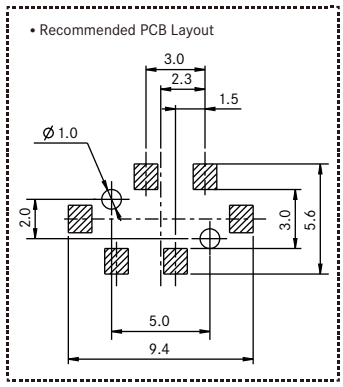
Unit: mm

>> 4P



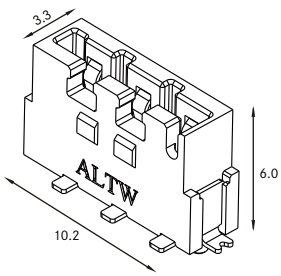


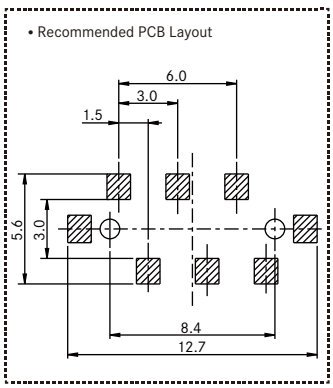


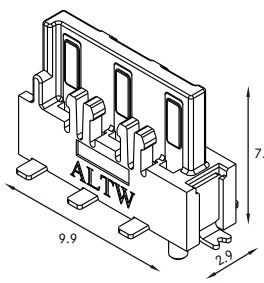


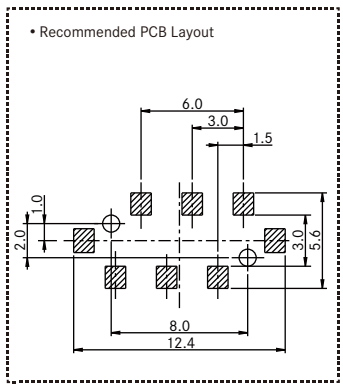
Unit: mm

>> 6P









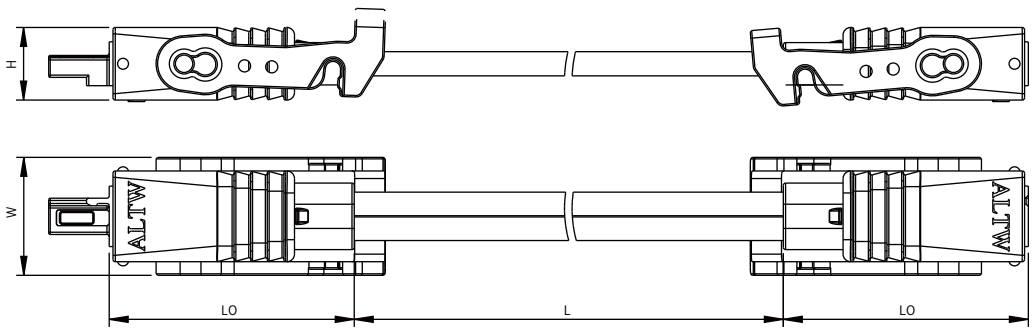
Unit: mm

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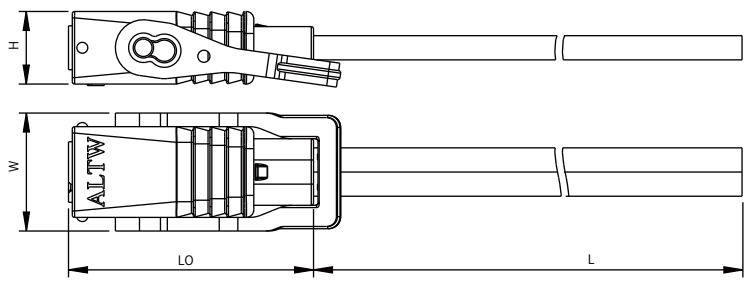
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↘ Wire Assembly

>> Flat Cable



>> Wire



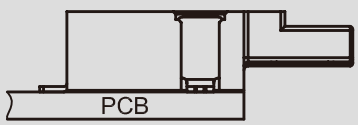
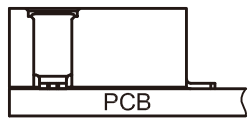
	L0	H	W	Cable Length (L)
2P	18.2	4.8	7.8	Various cable length available upon request
4P	18.2	4.8	11.2	
6P	18.2	4.8	14.2	

Unit: mm

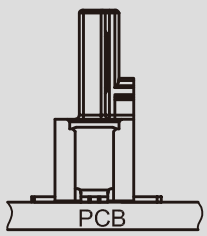
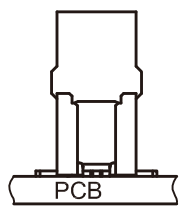
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Find Our Standard Products | SSL 1.1

↘ Board to Board > Right Angle

	 4 PCB Mount (Right Angle) ; With post (C) or without post (D)	 4 PCB Mount (Right Angle) ; With post (C) or without post (D)
	Plug	Jack
2P	SSL11-P 2 4 00-000001	SSL11-J 2 4 00-000001
4P	SSL11-P 4 4 00-000001	SSL11-J 4 4 00-000001
6P	SSL11-P 6 4 00-000001	SSL11-J 6 4 00-000001

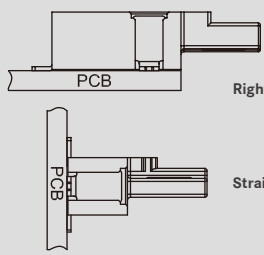
↘ Board to Board > Straight

		
	Plug	Jack
2P	SSL11-P2A00-000001	SSL11-J2A00-000001
4P	SSL11-P4A00-000001	SSL11-J4A00-000001
6P	SSL11-P6A00-000001	SSL11-J6A00-000001

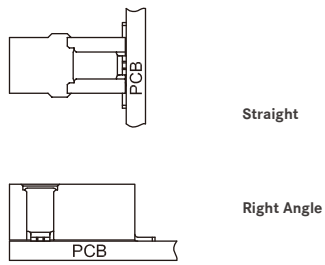
【Note】Design and specification are subject to change without notice.

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↘ Board to Board > Right Angle & Straight



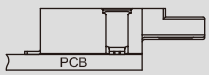
④ PCB Mount (Right Angle) : With post (C) or without post (D)
PCB Mount (Straight) : With post (A)



④ PCB Mount (Right Angle) : With postC) or without post (D)
PCB Mount (Straight) : With post (A)

	Plug	Jack
2P	SSL11-P 2 ④ 00-000001	SSL11-J 2 ④ 00-000001
4P	SSL11-P 4 ④ 00-000001	SSL11-J 4 ④ 00-000001
6P	SSL11-P 6 ④ 00-000001	SSL11-J 6 ④ 00-000001

↘ Board to Wire



④ PCB Mount (Right Angle) ; With post (C) or without post (D)

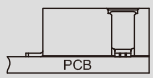


*XX: Various cable length available upon request

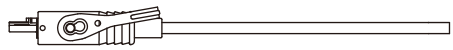
	Mount Type		End 1 + End 2	Cable Type	Part Number
2P	Right Angle Plug	SSL11-P2 ④ 00-000001	Jack + Open End	Wire	SSL11-J2LJ0-B22AXX*
4P		SSL11-P4 ④ 00-000001			SSL11-J4LJ0-B22AXX*
6P		SSL11-P6 ④ 00-000001			SSL11-J6LJ0-B22AXX*

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↘ Board to Wire



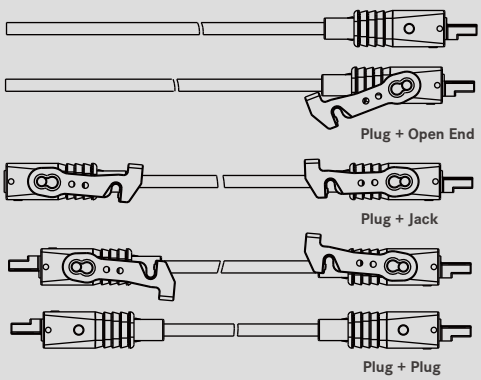
4 PCB Mount (Right Angle) ; With post (C) or without post (D)

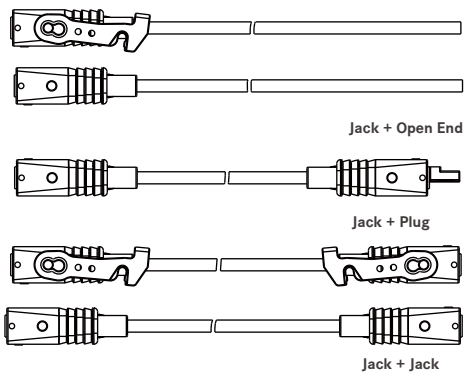


*XX: Various cable length available upon request

	Mount Type	Jack	End 1 + End 2	Cable Type	Part Number
2P	Right Angle Jack	SSL11-J2 4 00-000001	Plug + Open End	Wire	SSL11-P2LP0-B22AXX*
4P		SSL11-J4 4 00-000001			SSL11-P4LP0-B22AXX*
6P		SSL11-J6 4 00-000001			SSL11-P6LP0-B22AXX*

↘ Wire to Wire





*XX: Various cable length available upon request

Cable Type	Contacts 3	End 1 + End 2	Lock	Part Number	End 1 + End 2	Lock	Part Number
Wire	2, 4, 6	Plug + Open End	No Lock	SSL11-P 3 LP0-022AXX*	Jack + Open End	One Lock	SSL11-J 3 LJ0-022AXX*
			One Lock	SSL11-P 3 LP0-W22AXX*		No Lock	SSL11-J 3 LJ0-022AXX*
Flat Cable		Plug + Jack	Two Locks	SSL11-P 3 LJP-T22DXX*	Jack + Plug	No Lock	SSL11-P 3 LJP-022DXX*
		Plug + Plug	Two Locks	SSL11-P 3 L2P-T22DXX*	Jack + Plug	No Lock	SSL11-J 3 L2J-022DXX*
			No Lock	SSL11-P 3 L2P-022DXX*		No Lock	SSL11-J 3 L2J-T22DXXX*

【Note】Design and specification are subject to change without notice.

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Specification | SSL 1.2

Identifications	SSL 1.2 DC Connector (IPX8 Waterproof Series)
Description	Board to Wire Wire to Wire
Current Rating / Data	5A per pin (2 & 4 pins avialable; 6 pins upon request)
Material	Terminal: Copper alloy, tin plated Housing: Thermoplastic, UL94V-0 Rated Seal&Gasket: Silicone
Waterproof Rating	IP68, 1M depth of water in 24 hours
Temperature Range	-40℃ ~ +105℃
Contact Resistance	≤ 20m Ω
Insulation Resistance	≥ 1000M Ω at 500VDC
Durability	30 cycles
Breakdown Voltage	1500V AC
More to know	UL1977 / cUL / CSA C22.2

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Ordering Information | SSL 1.2

Connector Series 1 – 2 3 4 5 6 7 8

(12) SSL 1.2 IPX8 Waterproof Series

Connector (Housing) Gender

(J) Jack

(P) Plug

Number of Contacts

2, 4 contacts

EX. **(2)** = 2 Contacts

Connector Type

> For PCB Mount Type

(D) SMT Board Right Angle without Post

> For Cable

(L) Cable Assemblies, Straight

(F) Field Installable

Wires Assembly Options

> For PCB Mount Type

(00) Applicable for PCB Mount Type

> For Cable

(2J) Cable with 2-Ends Jack Connector

(2P) Cable with 2-Ends Plug Connector

(JP) One End: Jack, Another End: Plug,

(J0) End 1: Jack , End 2: Open

(P0) End 1: Plug, End 2: Open

Latch Option

(0) None latch

(M) with latch

Wire Size

> For PCB Mount Type

(00) Applicable for PCB Mount Type

> For Cable

(20) 20 AWG

Cable / Wires Type

> For PCB Mount Type

(001), (002).....

Without Cable : Different Versions

> For Cable

(□)+(■) : Cable Type + Cable Length

EX.**(A01)**= UL1430 Cable + 100mm

(□) : Cable Type

(A) Wires, UL 1430 (Approved)

From 100mm~9900mm

EX. **(01)**, **(02)** = 200mm, **(03)** = 300mm .....

*Every 100mm as per extension

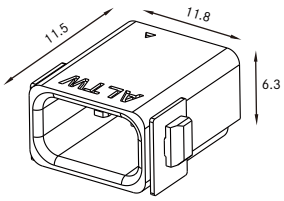
【Note】Design and specification are subject to change without notice.

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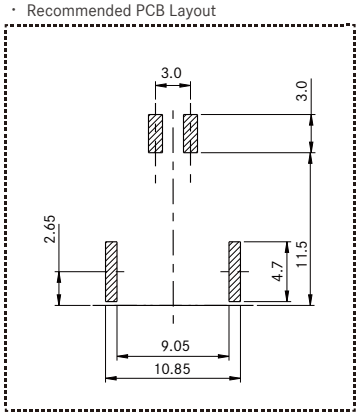
Physical Dimension | SSL 1.2

↘ SMT Receptacle

>> 2P

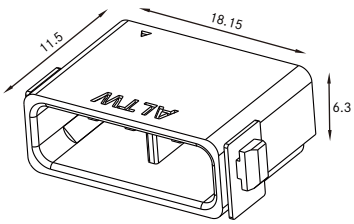


· Recommended PCB Layout

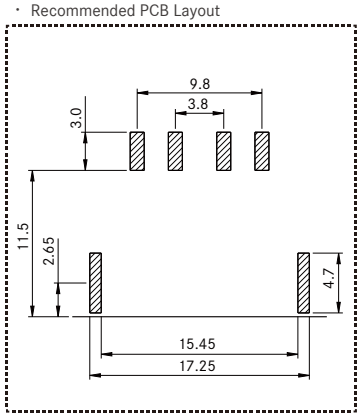


Unit: mm

>> 2P

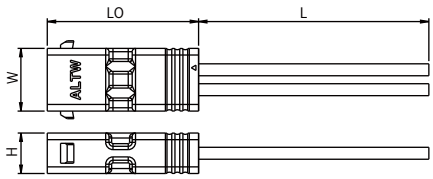


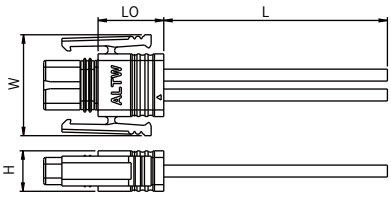
· Recommended PCB Layout



Unit: mm

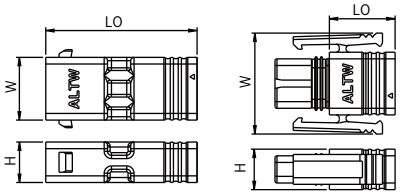
↘ Cable Assemblies & Field Installable





* Various cable length available upon request.

↘ Cable Assemblies & Field Installable



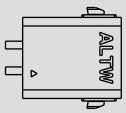
	Gender	L0	H	W
2P	Jack	22.8	6.1	11.8
	Plug	18.1	6.1	15.2
4P	Jack	22.8	6.1	18.15
	Plug	9.9	6.1	21.2

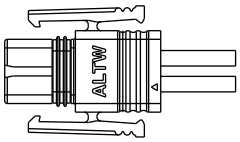
Unit: mm

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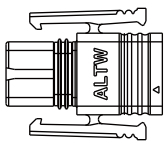
Find Our Standard Products | SSL 1.2

↘ Board to Wire

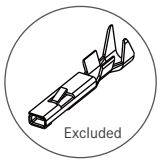




Cable Assemblies



Field Installable

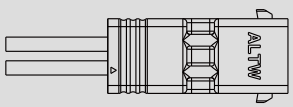


BBA00010667

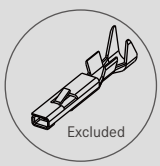
	Jack	Plug	
2P	SSL12-J2D00-000001	SSL12-P2LP0-M20AXX*	SSL12-P2FP0-M00001
4P	SSL12-J4D00-000001	SSL12-P4LP0-M20AXX*	SSL12-P4FP0-M00001

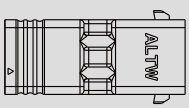
*XX: Various cable length available upon request

↘ Wire to Wire



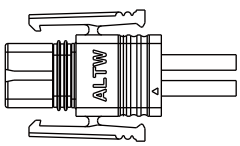
Cable Assemblies



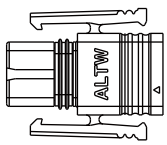


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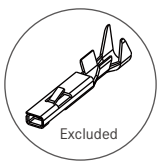
4 Choose the connector type:
Cable Assemblies **(L)** or Field Installable **(F)**



Cable Assemblies



Field Installable

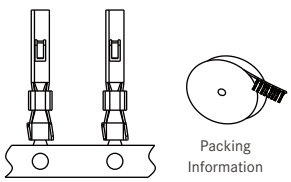


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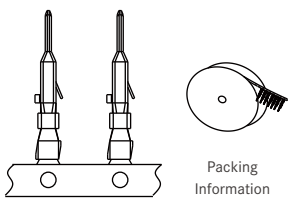
	Jack	Plug	
2P	SSL12-J2 4 J0-020AXX*	SSL12-P2LP0-M20AXX*	SSL12-P2FP0-M00001
4P	SSL12-J4 4 J0-020AXX*	SSL12-P4LP0-M20AXX*	SSL12-P4FP0-M00001

*XX: Various cable length available upon request

↘ Accessories > Contacts



Packing Information



Packing Information

Part Number	BBA00010666	BBA00010667

【Note】Design and specification are subject to change without notice.

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Specification | SSL 1.3

Identifications	SSL1.3 The Bridge
Description	Board to Board Jumper
Number of Position	1P
Current Rating / Data	5A
Voltage Rating	500V AC/DC
Material	Terminal: Copper Alloy, Gold (selective) over Nickel Plated Housing: Thermoplastic, UL94V-0 Rated
Temperature Range	-40°C ~ +105°C
Contact Resistance	≤20m Ω
Insulation Resistance	≥1000M Ω at 500VDC
Durability	10 cycles
Breakdown Voltage	2000V AC

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Ordering Information | SSL 1.3

SSL1.3 – D – 1 – S – 00 – 0 – 00 – 001

Connector Series
(13) SSL 1.3 The Bridge Series

Connector (Housing) Gender
(D) no gender

Number of Contacts
1 contacts
EX. **(1)** = 1 Contacts

Connector Type
> For PCB Mount Type
(S) Screw Mount Type

Wires Assembly Options
> For PCB Mount Type
(00) Applicable for PCB Mount Type

Assembly Option
(0) Applicable for PCB Mount Type

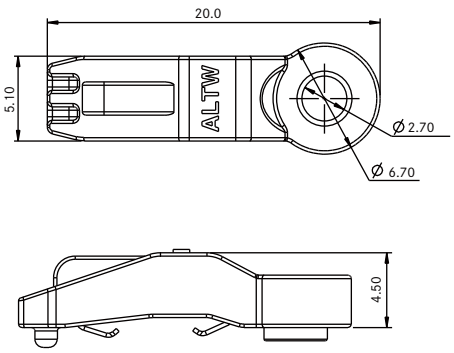
Wire Size
> For PCB Mount Type
(00) Applicable for PCB Mount Type

【Note】Design and specification are subject to change without notice.

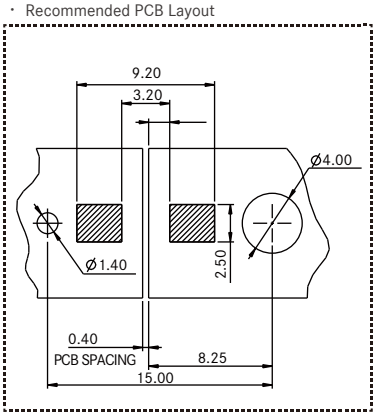
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Physical Dimension | SSL 1.3

↘ SMT Receptacle



· Recommended PCB Layout

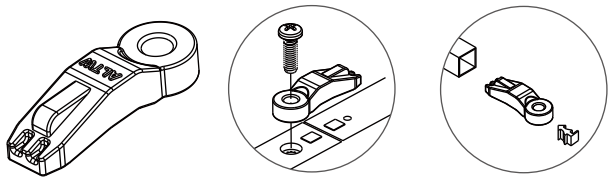


Unit: mm

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↘ SSL 1.3 The Bridge

	
Part Number	SSL13-D1S00-000001

【Note】Design and specification are subject to change without notice.

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Specification | SSL 2.1

Identifications	SSL2.1 Inverted Thru Board
Description	Board to Board
Number of Position	2P
Current Rating / Data	12A
Voltage Rating	600V AC/DC
Material	Terminal: Copper Alloy, Gold Plated, Nickel-under Plated All over Housing & Cover: Thermoplastic, UL94V-0 Rated
Temperature Range	-40°C ~ +105°C
Contact Resistance	≤ 20m Ω
Insulation Resistance	≥ 1000M Ω at 500VDC
Durability	20 cycles
Breakdown Voltage	2200V AC
More to know	UL1977 / cUL / CSA C22.2 / RoHS

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Ordering Information | SSL 2.1

SSL2.1 – J – 2 – E – 00 – 0 – 00 – 001

Connector Series

(21) SSL 2.1 Inverted Thru Hole

Connector (Housing) Gender

(J) Jack

Number of Contacts

2 contacts

EX. **(2)** = 2 Contacts

Connector Type

> For PCB Mount Type

(E) SMT Inverted 180 degree type

Wires Assembly Options

> For PCB Mount Type

(00) Applicable for PCB Mount Type

Assembly Option

(0) Applicable for PCB Mount Type

Wire Size

> For PCB Mount Type

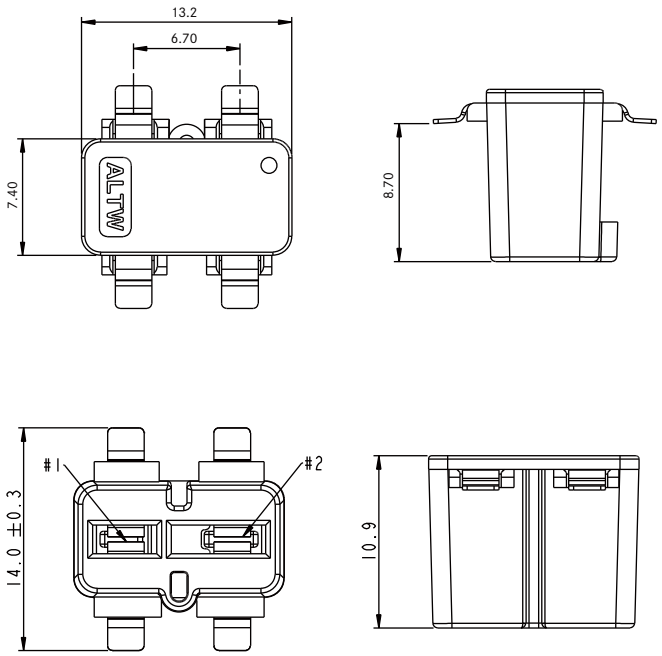
(00) Applicable for PCB Mount Type

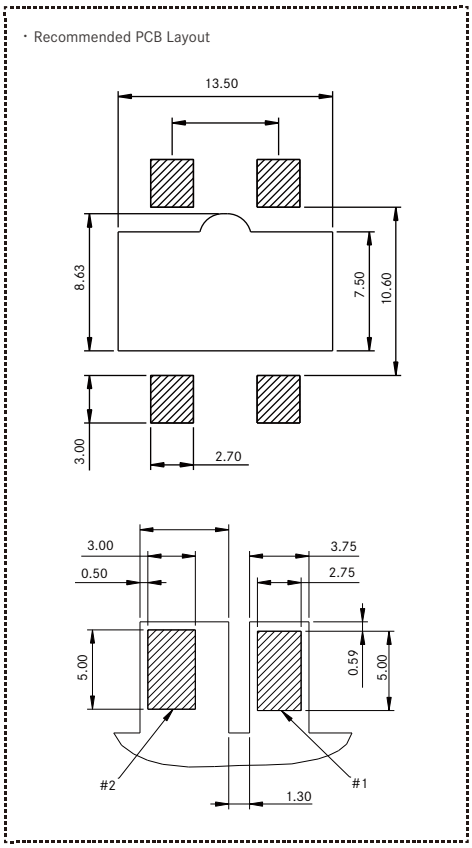
【Note】Design and specification are subject to change without notice.

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Physical Dimension | SSL 2.1

↘ SMT Receptacle



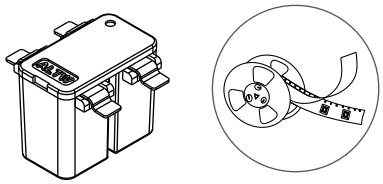


Unit: mm

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Find Our Standard Products | SSL 2.1

↘ SSL 2.1 Inverted Thru Board

	
Part Number	SSL21-J2E00-000001

【Note】Design and specification are subject to change without notice.

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Specification | SSL 2.3

Identifications	SSL2.3 EZ-B
Description	Screw Base for E26/27 Bulb
Current Rating / Data	3A
Voltage Rating	500V AC/DC
Material	Terminal: Copper Alloy, Gold Plated, Nickel-under Plated All over Housing & Cover: Thermoplastic, UL94V-0 Rated
Temperature Range	-40°C ~ +105°C
Contact Resistance	≤ 20m Ω
Insulation Resistance	≥ 1000M Ω at 500VDC
Durability	100 cycles
Breakdown Voltage	2000V AC
More to know	UL1977 / cUL / CSA C22.2 / RoHS

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Ordering Information | SSL 2.3

SSL2.3 – D – 2 – S – 00 – 0 – 00 – 001

Connector Series

(23) SSL 2.3 EZ-Base

Connector (Housing) Gender

(D) No Gender

Number of Contacts

2 contacts

EX. **(2)** = 2 Contacts

Connector Type

> For PCB Mount Type

(S) Screw Mount Type

Wires Assembly Options

> For PCB Mount Type

(00) Applicable for PCB Mount Type

Assembly Option

(0) Applicable for PCB Mount Type

Wire Size

> For PCB Mount Type

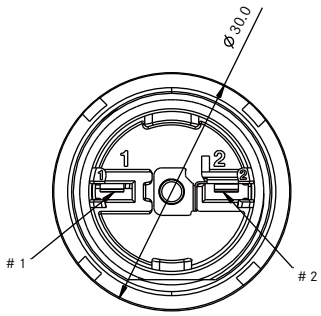
(00) Applicable for PCB Mount Type

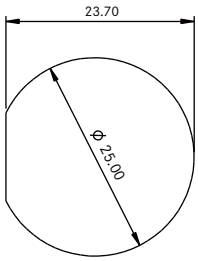
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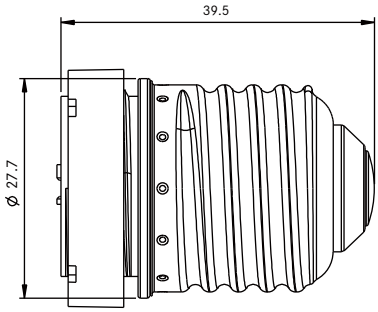
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Physical Dimension | SSL 2.3

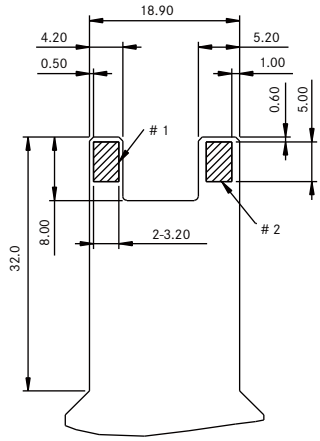
↘ SMT Receptacle







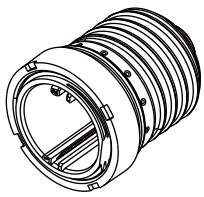
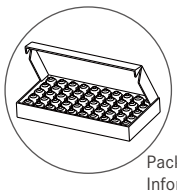
・Recommended PCB Layout



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↘ SSL 2.3 EZ-B

	  Packing Information
Part Number	SSL23-D2S00-000001

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