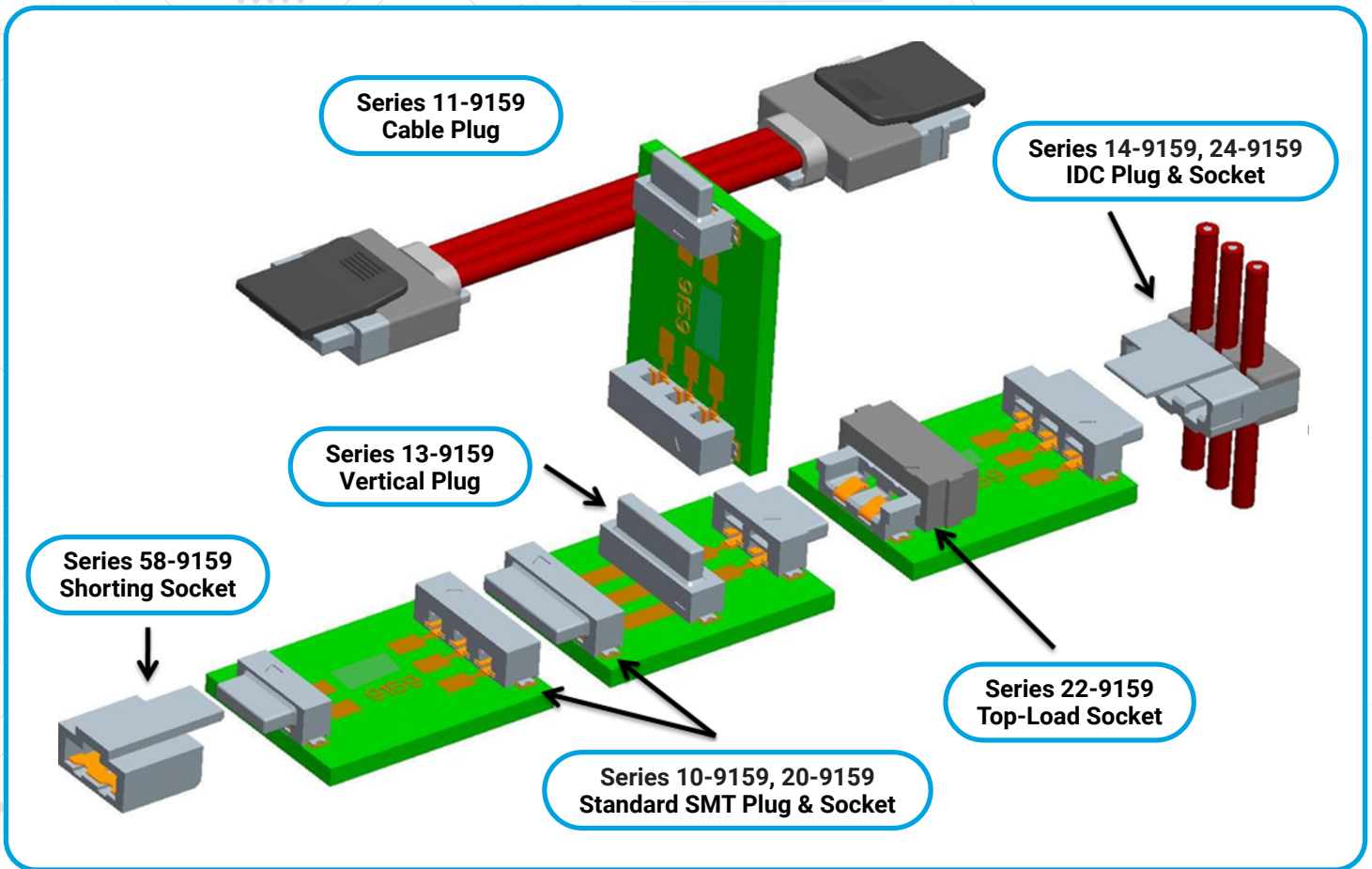


2 PIECE CONNECTOR TECHNOLOGY

SERIES XX-9159-100



KEY FEATURES AND BENEFITS

- Single sided SMT; supports FR4 and metal PCBs
 - 5 Amp current rating; exceeds general market needs
 - Gold plated BeCu (Beryllium Copper) spring contacts; reliability for harsh environments
 - Durability; 10 mating cycles
 - Passed 1000 hours at 125°C for high temperature applications
 - Operating temperature from -40C to 125°C
 - Tape and Reel packaged for SMT placement
 - Coplanar PCB; 5.5mm mated width minimizes LED pitch
 - Vertical plug allows for perpendicular PCB mating for traditional daughter card applications
 - Cost effective WTB solution with IDC Cabled Plug/Socket
 - Slide Top-Load Socket; allows complete PCBs to easily be replaced
 - Accepts solid or stranded wires
 - IDC - True "Gas Tight" connection for harsh environments
 - Optional retaining clip
- The connectors have UL approval under file number E90723. Please consult drawings for dedicated part numbers and check the UL conditions of use for specific details.

PRODUCT APPLICATIONS

- Industrial Sensors, Auto, Gas, Pressure, Retail Security
- Portable Electronics; Warehouse Terminals, Scanners
- Smart Meters
- Building Electronics; Fire/Smoke Detectors, Security Cameras
- Small Lighting; Cabinet, Flashlights
- Medical; Portable, Patient Monitoring
- Electronic Devices; Power Converters, Circuit Breakers

SYSTEM APPLICATIONS

- Coplanar PCB mating in Solid State Lighting (SSL) products
- LED linear lighting strips
- Horizontal or vertical termination BTB, WTB

2 PIECE CONNECTOR TECHNOLOGY

SERIES XX-9159-100



SERIES 10-9159; HORIZONTAL PLUG

Part Number	Description	AWG	Wire Insulation		Color (X)	Current	Voltage
			Min.	Max.			
10 9159 002 101 X16	2p Connector	n/a	n/a	n/a	0-Black, 1-White	5 Amp on 2 outer contacts, 3 Amp on others	125 VAC
10 9159 003 101 X16	3p Connector						
10 9159 004 101 X16	4p Connector						
10 9159 005 101 X16	5p Connector						
10 9159 006 101 X16	6p Connector						
80 9159 420 000 000	Retaining Clip						
06 9159 702 501 000	Hand Insertion Tool For Clip	n/a	n/a	n/a	n/a	n/a	n/a

SERIES 20-9159; HORIZONTAL SOCKET

Part Number	Description	AWG	Wire Insulation		Color (X)	Current	Voltage
			Min.	Max.			
20 9159 002 101 X16	2p Connector	n/a	n/a	n/a	0-Black, 1-White	5 Amp on 2 outer contacts, 3 Amp on others	125 VAC
20 9159 003 101 X16	3p Connector						
20 9159 004 101 X16	4p Connector						
20 9159 005 101 X16	5p Connector						
20 9159 006 101 X16	6p Connector						
80 9159 420 000 000	Retaining Clip						

SERIES 11-9159; SOLDER CUP CABLE PLUG

Part Number	Description	AWG	Wire Insulation		Color (X)	Current	Voltage
			Min.	Max.			
11 9159 002 101 X16	2p Connector	n/a	n/a	n/a	0-Black, 1-White	5 Amp on 2 outer contacts, 3 Amp on others	125 VAC
11 9159 003 101 X16	3p Connector						
11 9159 004 101 X16	4p Connector						
11 9159 005 101 X16	5p Connector						
11 9159 006 101 X16	6p Connector						
60 9159 330 20X 000	Plug Wired Cover 2p						
60 9159 330 30X 000	Plug Wired Cover 3p						
60 9159 330 40X 000	Plug Wired Cover 4p						
60 9159 330 50X 000	Plug Wired Cover 5p						
60 9159 330 60X 000	Plug Wired Cover 6p						
60 9159 340 20X 000	Latch for 2p, 4p, 6p	n/a	n/a	n/a	0-Black, 1-White	n/a	n/a
60 9159 340 30X 000	Latch for 3p, 5p	n/a	n/a	n/a	0-Black, 1-White	n/a	n/a
90 2211 709 200 000	Cable Tie (Included w/ Connectors)	n/a	n/a	n/a	White	n/a	n/a

SERIES 22-9159; TOP LOAD SOCKET

Part Number	Description	AWG	Wire Insulation		Color (X)	Current	Voltage
			Min.	Max.			
22 9159 002 101 X16	2p Connector	n/a	n/a	n/a	0-Black, 1-White	5 Amp on 2 outer contacts, 3 Amp on others	125 VAC
22 9159 003 101 X16	3p Connector						
22 9159 004 101 X16	4p Connector						
22 9159 005 101 X16	5p Connector						
22 9159 006 101 X16	6p Connector						
80 9159 420 000 000	Retaining Clip						

SERIES 24-9159; IDC CABLE SOCKET

Part Number	Description	AWG	Wire Insulation		Color (X)	Current	Voltage			
			Min.	Max.						
24 9159 002 122 XY6	2p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm	0-Black, 1-White	5 Amp on 2 outer contacts, 3 Amp on others	125 VAC			
24 9159 002 132 XY6		24								
24 9159 003 122 XY6	3p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm						
24 9159 003 132 XY6		24								
24 9159 004 122 XY6	4p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm						
24 9159 004 132 XY6		24								
24 9159 005 122 XY6	5p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm						
24 9159 005 132 XY6		24								
24 9159 006 122 XY6	6p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm						
24 9159 006 132 XY6		24								
06 9159 702 601 000	Assembly support block	n/a	n/a	n/a				Aluminium	n/a	n/a
06 9159 702 602 000								Nylon 46		

SERIES 13-9159; VERTICAL PLUG

Part Number	Description	AWG	Wire Insulation		Color (X)	Current	Voltage
			Min.	Max.			
13 9159 002 101 X16	2p Connector	n/a	n/a	n/a	0-Black, 1-White	5 Amp on 2 outer contacts, 3 Amp on others	125 VAC
13 9159 003 101 X16	3p Connector						
13 9159 004 101 X16	4p Connector						
13 9159 005 101 X16	5p Connector						
13 9159 006 101 X16	6p Connector						
80 9159 420 000 000	Retaining Clip						

SERIES 58-9159; SHORTING SOCKET

Part Number	Description	AWG	Wire Insulation		Color (X)	Current	Voltage
			Min.	Max.			
58 9159 002 000 006	2p Shorting Socket	n/a	n/a	n/a	White	3 Amp	125 VAC

SERIES 14-9159; IDC CABLE PLUG

Part Number	Description	AWG	Wire Insulation		Color (X)	Current	Voltage			
			Min.	Max.						
14 9159 002 122 XY6	2p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm	0-Black, 1-White	5 Amp on 2 outer contacts, 3 Amp on others	125 VAC			
14 9159 002 132 XY6		24								
14 9159 003 122 XY6	3p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm						
14 9159 003 132 XY6		24								
14 9159 004 122 XY6	4p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm						
14 9159 004 132 XY6		24								
14 9159 005 122 XY6	5p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm						
14 9159 005 132 XY6		24								
14 9159 006 122 XY6	6p Connector - Y=0 - Through Wire Y=9 - Wire Stop	22	1.1mm	1.6mm						
14 9159 006 132 XY6		24								
06 9159 702 601 000	Assembly support block	n/a	n/a	n/a				Aluminium	n/a	n/a
06 9159 702 602 000								Nylon 46		

Note: KYOCERA AVX can offer pre-assembled cables. Please consult marketing for specific needs.

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