

Micro-One Wire-to-Board Connectors

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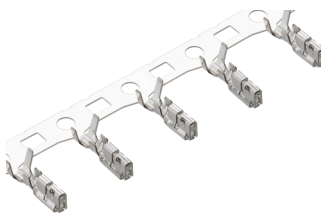
Compact Micro-One Wire-to-Board Connector with integrated ISL, independent TPA and potting capability, provides secure electrical contact, superior mating retention and protection against harsh environment conditions

Features and Advantages



Receptacle Housing

Independent secondary lock (ISL)
Detects incomplete terminal insertion

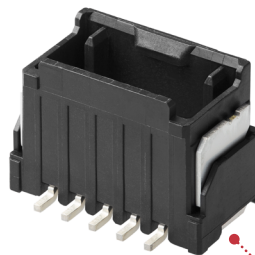


Crimp Terminal

56134-9001 for 22 to 24 AWG
56134-9002 for 26 to 28 AWG

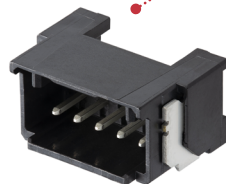
2.00mm pitch low-profile design
Reduces weight and saves space

UL certified connectors
Ensures reliability

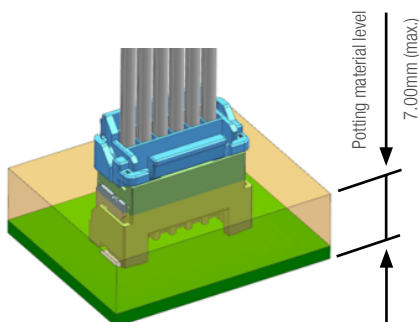


Vertical Header

2- to 8- circuit vertical and right-angle header assembly
Offers design flexibility

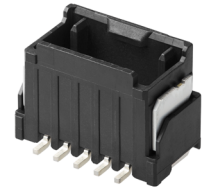


Right-Angle Header

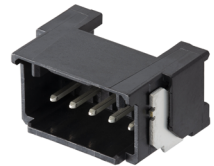


Vertical Header with Potting Capability (217063 Series)

Potting liquid (up to 7.00mm height)
Prevents ingress of dust and moisture



Micro-One Connector, Vertical Version



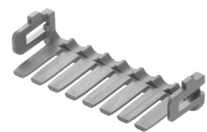
Micro-One Connector, Right-Angle Version



Micro-One Receptacle housing with integrated ISL



Micro-One Receptacle Housing for TPA Retainer



Micro-One TPA Receptacle



Terminal Position Assurance (TPA)
Ensures terminals are fully seated in the housing

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Market and Applications

Consumer

Refrigerators
Air conditioners
Hot water gas heaters
Vacuum cleaners
Washing machines

Industrial

Power tools
Test equipment
Robots
Factory automation
Drones
Vending machines



Vending Machine



White Goods



Drones

Specifications*

REFERENCE INFORMATION

Packaging:
Header — Embossed
Receptacle Housing — Bag
Terminal - Reel
UL Certified: Yes
Designed In: Millimeters
RoHS: Yes
Glow Wire: Yes (217063, 217064, 205979, 212724, 212725)

ELECTRICAL

Voltage (max.): 250V
Current (max.): 4.0A (2 circuit, 22 AWG)

MECHANICAL

Durability (max.): 30 cycles

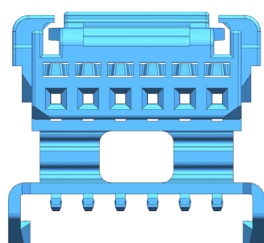
PHYSICAL

Housing Color: Natural or Black
Contact: Copper Alloy
Plating:
Terminal Pin — Tin-Bismuth over Nickel
Crimp Terminal — Tin
Wire Size: 22 to 28 AWG
Operating Temperature: -40 to +105°C

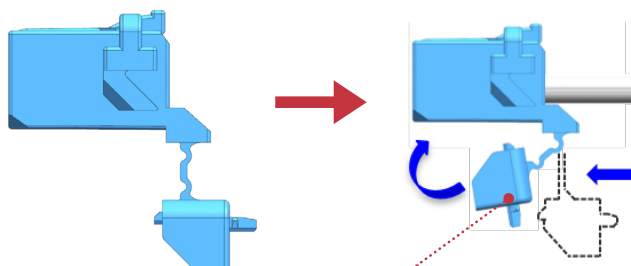
*Refer to product specifications (2059790000-PS) for other electrical specifications

RECEPTACLE ISL FUNCTION

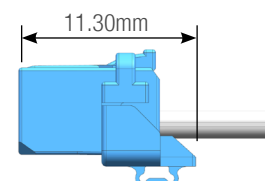
As shipped



After terminal insertion

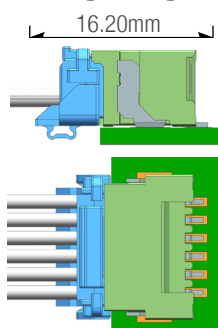


After ISL closed

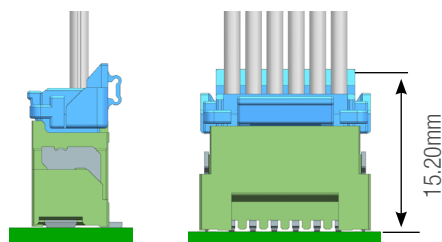


MATED VIEW

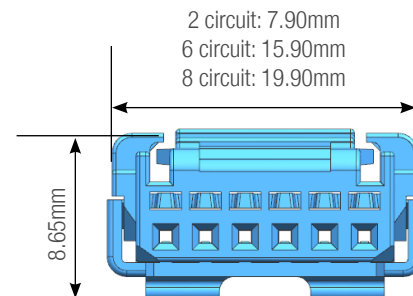
Right Angle



Vertical



Mating by deforming the ISL part

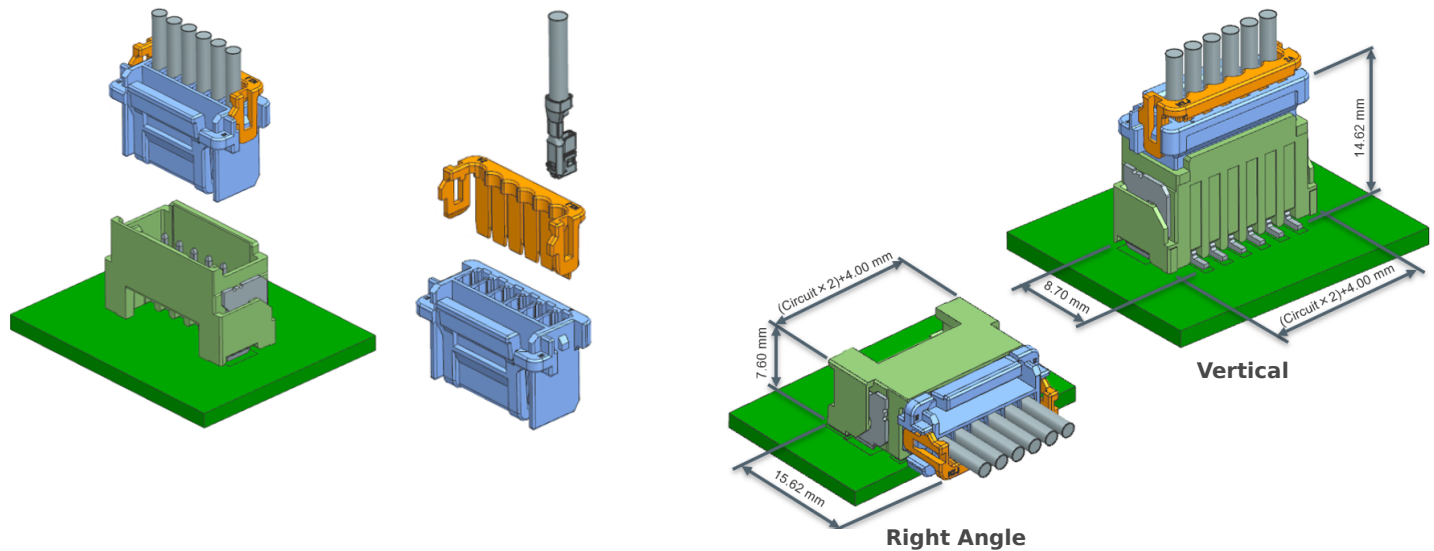


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RECEPTACLE TPA FUNCTION

MATED VIEW



Current Derating Reference Information

AWG#	Amps (A)		
	2-Circuit	4-Circuit	8-Circuit
22	4.0	3.5	3.0
24			
26	3.5	3.0	2.5
28	3.0	2.5	2.0

Ordering Information

Series No.	Description	Potting Capability	Glow Wire	Circuits / Wire size (AWG)	Rows	Color
217063-00XY	Vertical header	Yes	Yes	2, 3, 4, 5, 6, 7, 8	Single	Black
217064-00X1	Right-angle header	No	Yes			
205971-00XY	Vertical header	No	No			
205972-00X1	Right-angle header	No	No			
205979-20X1	Receptacle housing	No	Yes			
212724-20X1		No	Yes			
56134-9001	Crimp terminal	-	-	22 to 24	-	-
56134-9002		-	-	26 to 28	-	-
212725-20X0	TPA Retainer	-	Yes	2, 3, 4, 5, 6, 7, 8	Single	Gray

X = Circuit

Y=1; Without cover tape

Y=3; With cover tape

Y=5; Without cover tape

Y=7; With cover tape

www.molex.com/link/micro-one.html

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