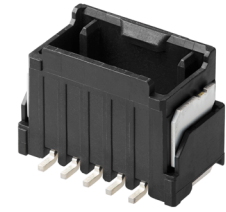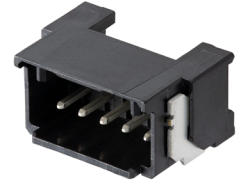# Micro-One Wire-to-Board Connector with Integrated ISL

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

Micro-One Connector, Vertical Version
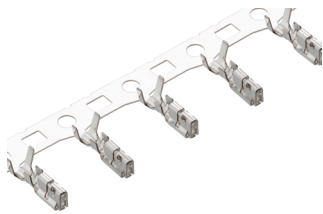
Features and Advantages

Receptacle Housing
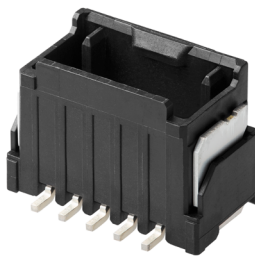
Independent secondary lock (ISL)
Detects incomplete terminal insertion

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

UL certified connectors
Ensures reliability

Micro-One Connector, Right-Angle Version

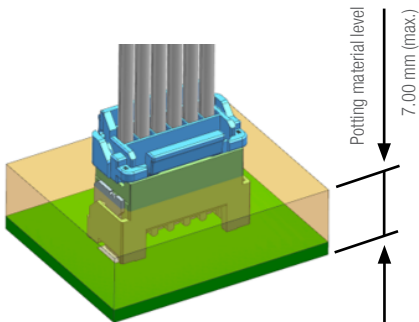*Micro-One Receptacle housing with integrated ISL*

Crimp Terminal

56134-9001 for AWG22-24
56134-9002 for AWG26-28

Vertical Header

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

Potting material level
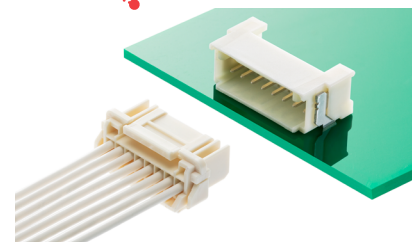7.00 mm (max.)

Vertical Header with Potting Capability (217063 Series)

Potting liquid (up to 7.00 mm height)
Prevents ingress of dust and moisture
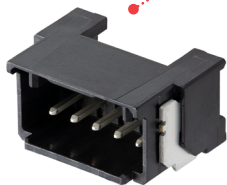
Right-Angle Header

Right-Angle Header

Micro-One Wire-to-Board Connector with Integrated ISL

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Market and Applications

Consumer
- Refrigerators
- Air conditioners
- Hot water gas heaters

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)

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
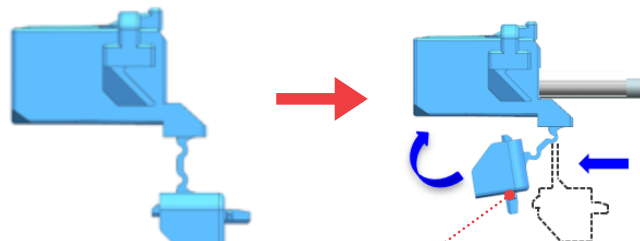Wire Size: 22 to 28 AWG
Operating Temperature: -40 to +105°C

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

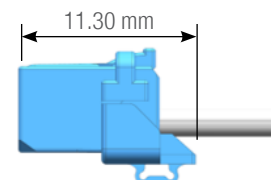## RECEPTACLE ISL FUNCTION

As shipped

After terminal insertion
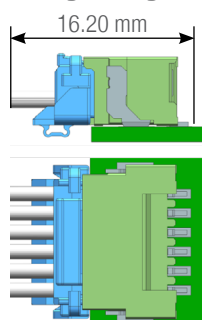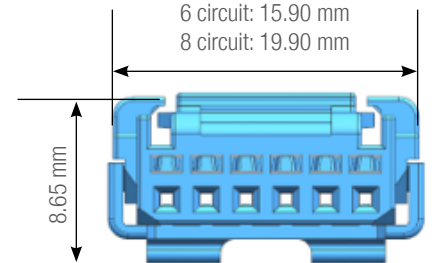

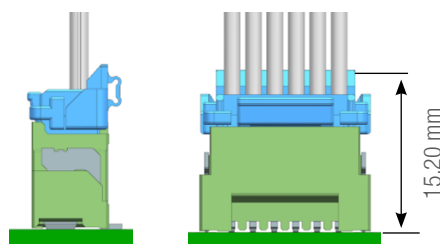**Mating by deforming the ISL part**

After ISL closed

11.30 mm

MATED VIEW

Right Angle

16.20 mm

Vertical

15.20 mm

2 circuit: 7.90 mm
6 circuit: 15.90 mm
8 circuit: 19.90 mm

8.65 mm

Micro-One Wire-to-Board Connector with Integrated ISL

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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			
56134-9001	Crimp terminal	-	-	22 to 24	-	-
56134-9002		-	-	26 to 28	-	-

X = Circuit
Y=1; With cover tape
Y=3; Without cover tape
Y=5; Without cover tape
Y=7; With cover tape

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