MicroClasp 2.00mm Pitch Wire-to-Board Connector System

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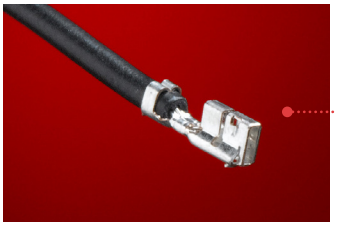
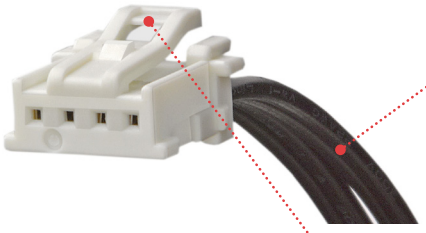
Ideal for compact applications, the MicroClasp 2.00mm Wire-to-Board single-row and dual-row Connector System provides electrical and mechanical reliability that meets a diverse range of industry applications up to 85°C

Features and Advantages

2.00mm-pitch connector
Delivers secure mating retention without sacrificing compactness

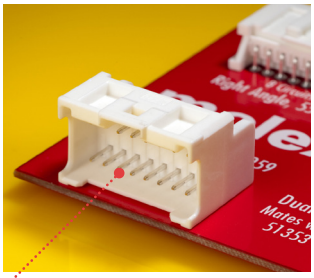


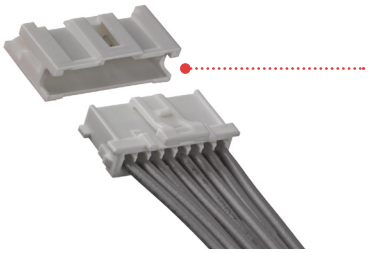
Readily available tooling
The crimp applicators are widely available in the market



High-power cable
Allows up to 3.0A current

Inner positive lock
Provides latch protection, secure terminal retention and an audible mating click for better mating retention of header and harness





Through-hole single- and dual-row headers in vertical and right-angle orientations
Provides design flexibility

TPA Retainer
Ensures wires are fully inserted

Markets and Applications

Consumer

- White goods
- Gaming machines
- Air conditioners
- Refrigerators
- Vacuum cleaners
- Power tools
- ATMs
- Vending machines

Automotive

- Steering wheels, paddle shifts and combination switches
- Shifters
- Headlights and rear- and side-mirror lights
- Internal connections with other units

Gaming Machines

White Goods

Car Infotainment

ATM

Power tools

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Specifications / Single Row

REFERENCE INFORMATION
Packaging:
Reel (Terminal);
Tray (Header Assembly)
Bag (Receptacle Housing, TPA retainer)
Mates With:
MicroClasp single-row connectors (55932/55935)
Use with
51382 (Single-row Rec Housing)
500638 (TPA retainer)
56134-9000 (Crimp Terminal)
Designed In: Millimeters
RoHS: Yes
Low Halogen : No

ELECTRICAL
Voltage (max.): 250V
Current (max.): 3.0A (22 AWG)
Contact Resistance (max.): 20 milliohms
Dielectric Withstanding Voltage:1000V AC (1 minute)
Insulation Resistance (min.): 1000 Megohms

MECHANICAL
Crimp Terminal Insertion Force (max.): 9.8N
Crimp Terminal Retention Force (min.): 9.8N
Pin Retention Force (min.): 9.8N
Crimping Strength (min.): 39.2N (22 AWG)
Durability (max.): 30 Cycles

PHYSICAL
Housing:
Receptacle – PA66
TPA retainer – PBT
Header – PBT
Terminal / Pin (Plating)
Receptacle – Copper alloy (Pre-tin plated)
Header pin – Brass (Pre-tin plated)
Operating Temperature: -25 to +85˚C

Specifications / Dual Row

REFERENCE INFORMATION
Packaging: Reel (Terminal)
Tray (Header Assembly)
Bag (Receptacle Housing, TPA retainer)
Mates With:
MicroClasp dual-row connectors (55917/55959)
Use with
51353 (Dual-row Rec Housing)
500638(TPA retainer)
56134-9000 (Terminal)
Designed In: Millimeters
RoHS: Yes
Low Halogen : No

ELECTRICAL
Voltage (max.): 250V
Current (max.): 3.0A (22 AWG)
Contact Resistance (max.): 20 milliohms
Dielectric Withstanding Voltage:1000V AC (1 minute)
Insulation Resistance (min.): 1000 Megohms

MECHANICAL
Crimp Terminal Insertion Force (max.): 9.8N
Crimp Terminal Retention Force (min.): 9.8N
Pin Retention Force (min.): 9.8N
Crimping Strength (min.): 39.2N (22 AWG)
Durability (max.): 30 Cycles

PHYSICAL
Housing:
Receptacle – PA66
Header – PBT
Terminal / Pin (Plating)
Receptacle – Copper alloy (Pre-tin plated)
Header pin – Brass (Pre-tin plated)
Operating Temperature: -25 to +85˚C

Ordering Information

Series No.	Pitch (mm)	Component	Circuits	Rows	Color
56134	2.00	Female Receptacle Terminal	22 to 28 AWG	-	-
500638		TPA retainer	4 to 20	Single	Brown
51382		Receptacle Housing	2 to 15	Single	-Natural -Color variation available under A2
55932		Plug Vertical Header			
55935		Plug Right Angle Header			
51353		Receptacle Housing	8 to 40	Dual	
55917		Plug Vertical Header			
55959		Plug Right Angle Header			

www.molex.com/link/microclasp.html

Order No. 987651-6214 Rev. 1 USA/0k/GF/2018.10