

Off-the-Shelf (OTS) Pico-Lock 2.0 Cable Assemblies >

OTS Pico-Lock 2.0 Cable Assemblies offer 1.00, 1.50 and 2.00mm-pitch versions in a variety of cable lengths and provide durable locking for secure mating retention



Pico-Lock 2.0 Cable Assemblies

FEATURES AND ADVANTAGES

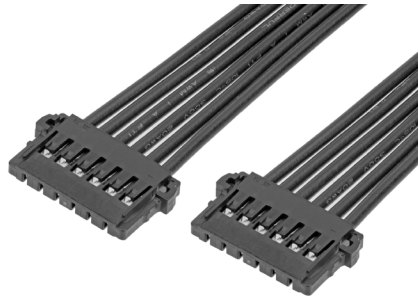
Polarization/mating guide features

Help prevent mismatching and facilitate mating



Side positive locks

Help ensure secure mating retention and additional space savings



Wide robust fitting nails (solder tabs)

Offer secure PCB retention and additional mechanical stability



Beveled header pin design

Provides smoother mating and pin-and-contact protection

Ultra-low-profile mated height (1.50 and 2.00mm versions)

Provides space savings

Top friction locks

Provide additional mating retention and visual mating assurance

MARKETS AND APPLICATIONS

Automotive

Control units
Heads-up display (HUD)
Infotainment systems
Interior equipment manufacturers
Mirrors

Consumer

Gaming equipment
LCD TV
LED TVs
Notebook PC
Tablets

Industrial

Factory automation
Power supplies
Security systems
Smart meters
Surveillance cameras

Lighting

LED lighting
Transformer

MedTech

On-body health monitoring systems

Mobile Devices

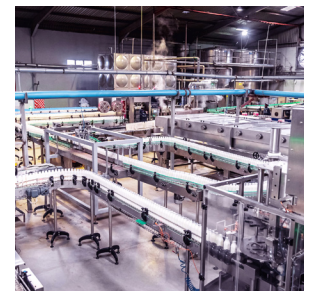
Tablets

Telecommunications/ Networking

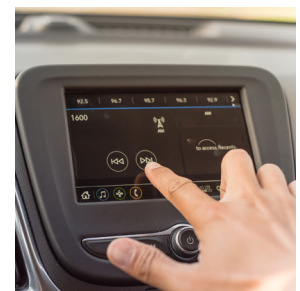
Wireless modem



Security Systems



Factory Automation



Infotainment Systems

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SPECIFICATIONS

REFERENCE INFORMATION

Packaging:
 Header (Embossed tape)
 Housing (Bag)
 Crimp Terminal (Reel)
 Designed In: millimeters
 RoHS: Yes
 Halogen Free: Low-halogen

ELECTRICAL

Voltage (max.): 150V (1.00 and 1.50mm)
 Voltage (max.): 250V (2.00mm)
 Current (max.): 3.5A per circuit
 see more detail at derating table
 Contact Resistance(max.): 20 milliohms
 Dielectric Withstanding Voltage:
 500V AC (rms) for 1 minute (1.00 and 1.50mm)
 800V AC (rms) for 1 minute (2.00mm)
 Insulation Resistance(min.): 1000 Megohms

**The specification given is based on the connector*

MECHANICAL

Housing (Positive Lock) Strength (min.):
 1.00mm Pitch(min.): 5N (0.50kgf)
 1.50mm Pitch(min.): 10N (1.02kgf)
 2.00mm Pitch (min.): 19.8N (2.0kgf)
 Crimp Terminal Retention Force (min.):
 1.00mm: 4N
 1.50mm: 6.7N
 2.00mm: 9.8N
 Durability (min.): 30 cycles

PHYSICAL

Housing/Header: Polyamide (PA), UL 94V-0,
 Black
 Contact: Copper Alloy
 Plating:
 Contact Area—Gold (Au)
 Solder Tail Area—Gold (Au)
 Underplating—Nickel (Ni)
 Operating Temperature: -40 to +105°C

ORDERING INFORMATION

Series No.	Component	Type	Circuits	Length
219656	Pico-Lock 2.0	R-R	2, 3, 4, 5 and 6	50.00, 100.00, 150.00 300.00 and 600.00mm
219657		R-S		

www.molex.com/link/otscableassemblies.html