

Pico-Clasp Discrete Wire Cable Assemblies



Pico-Clasp Discrete Wire Cable Assemblies deliver off-the-shelf (OTS) solutions with a broad offering of Molex connectors and a variety of cable lengths to facilitate both prototyping and global production

Features and Benefits

Pico-Clasp Cable Assembly offers a small 1.00mm pitch and 1.0A current rating with positive lock

Delivers space savings and prevents wire hooking

Pin-to-pin mapping from receptacle to PCB header

Provides ready-to-use, plug-and-play connections

Custom assemblies for production also available

Meet design needs after prototyping is complete. Molex's extensive design and manufacturing expertise can meet the unique challenges of the most demanding applications



Pico-Clasp Cable Assembly

UL 1061 discrete wires

Ready to use in electronic appliance applications. Provide ease of design, prototyping and production



Pico-Clasp Standard Discrete Wire Cable Assemblies

Meets 2011/65/EU RoHS Compliance

Decreases engineering time and resources

Assembled in ISO/TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards

Applications

Consumer

- Fitness equipment
- Home entertainment systems
- Home appliances
- Home office
- Home security systems
- Portable electronic devices
- Gaming consoles
- Mobile devices



Gaming Machines



Office Equipment



Industrial Automation

Commercial Vehicle

Industrial

- Process controls

Medical

- Patient monitors

Pico-Clasp Discrete Wire Cable Assemblies



Specifications

REFERENCE INFORMATION

Packaging: 50 or 100 SPQ
CABLE UL File No.: UL1061
Mates With: Series 501190 and 501571
Designed In: Millimeters
RoHS: Yes
Halogen Free: No
Glow Wire Compliant: No

ELECTRICAL

Voltage (max.): 50V
Current (max.): 1.0A
Contact Resistance: 20 milliohms
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance: 100 Megohms

MECHANICAL

Contact Insertion Force (max.): 4.9N
Contact Retention to Housing (min.): 4.9N
Mating Force: See 5011890000-A00, 5011890000-A01, PS-501190-001-001, PS-501571-001-001
Unmating Force: See 5011890000-A00, 5011890000-A01, PS-501190-001-001, PS-501571-001-001

PHYSICAL

Housing: See 5011890000-A00, 5011890000-A01, PS-501190-001-001, PS-501571-001-001
Contact: See 5011890000-A00, 5011890000-A01, PS-501190-001-001, PS-501571-001-001
Plating:
Contact Area — Tin
Solder Tail Area — Tin
Underplating — Tin
Operating Temperature: -40 to +85°C

Ordering Information

| Series No. | Component | Type | Circuits | Length (m) |
|------------|--|--------|----------|-----------------------------|
| 15133 | Off-The-Shelf Pico-Clasp Receptacle Cable Assemblies | Single | 2 to 8 | 50, 100, 150, 300, 450, 600 |

| Custom Product | Description |
|-------------------------------|---|
| Contact Molex | Pico-Clasp Discrete Wire Cable Assembly |

www.molex.com/link/otscableassemblies.html

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