

# 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
<a href="#">Contact Molex</a>	Pico-Clasp Discrete Wire Cable Assembly

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)

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