## **Off-the-Shelf (OTS) PicoBlade Discrete Wire Cable Assemblies**

# molex

Off-the-shelf PicoBlade Cable Assemblies come in a variety of cable lengths in a compact connector to support both prototyping and global production

### **Features and Advantages**

Point-to-point single-row configurations for PicoBlade designs immediately available Support both development and production programs Built using UL1061 discrete wires Provides ease of design, prototyping and production



OTS PicoBlade Discrete Wire Cable Assemblies

Built in ISO- and TS-16949-certified facilities

Meets current market standards for using Molex

connector systems

**Pin-to-pin map configurations** Reduce the need to design the cable layout. Require engineers to simply assign each signal to a pin

PicoBlade Receptacles small pitch and friction lock Takes up less PCB real estate. Minimizes chance of accidental unmating due to vibration or mishandling

## Applications

Meets 2011/65/ EU RoHS compliance

Requires less engineering time and

#### Consumer

resources

Home entertainment Home appliances Gaming consoles Mobile devices

**Commercial Vehicle** 

Industrial

Process controls

#### Medical

Patient monitors



Mobile Devices



Home Appliances

# **Off-the-Shelf (OTS) PicoBlade Discrete Wire Cable Assemblies**

# molex

### **Specifications**

### REFERENCE INFORMATION

Packaging: 50 or 100 SPQ Cable UL File No.: UL1061 Mates With: Series 53261, 53047, 53398, 53048 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: Please see product spec Unmating Force: Please see product spec

### PHYSICAL

Housing: Please see product spec Contact: Please see product spec Plating: Contact Area — Tin Solder Tail Area — Tin Underplating — Tin Operating Temperature: -40 to +85°C

### www.molex.com/product/picoblade.html www.molex.com/link/otscableassemblies.html

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.