Off-the-Shelf (OTS) PicoBlade Discrete Wire Cable Assemblies
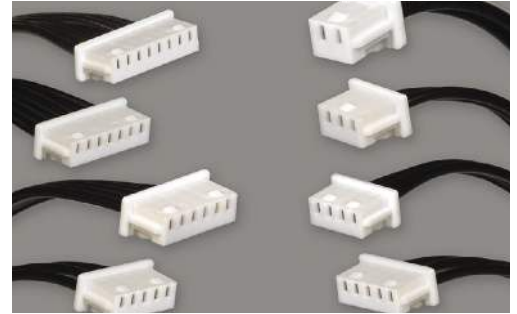
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Off-the-shelf PicoBlade Cable Assemblies come in a variety of cable lengths in a compact connector to support both prototyping and global production

OTS PicoBlade Discrete Wire Cable Assemblies

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

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

Meets 2011/65/ EU RoHS compliance
Requires less engineering time and resources

Built in ISO- and TS-16949-certified facilities
Meets current market standards for using Molex connector systems

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

Applications

Consumer
- Home entertainment
- Home appliances
- Gaming consoles
- Mobile devices

Commercial Vehicle

Industrial
- Process controls

Medical
- Patient monitors

Mobile Devices

Home Appliances

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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