Off-the-Shelf (OTS) Mini-Fit Jr. Overmolded Cable Assemblies

Off-the-Shelf (OTS) Mini-Fit Double-ended, Overmolded Assemblies with strain relief are available in multiple circuit sizes and cable lengths for a rugged signal connection

Features and Benefits

Both custom and off-the-shelf assemblies available
Provides quick availability for development and production programs and customized versions for final designs

Overmolded strain relief
Reduces mechanical stress on wires and terminals

Positive latching
Ensures secure retention when receptacle and header or receptacle and plug are mated. Prevents accidental unmating

Polarized mating geometry
Prevents mis-mating

Terminal provides 4 independent points of contact
Offers redundant, secondary current paths for long-term electrical performance and reliability

Terminal polarization tab
Ensures the terminals are fully inserted into the plugs and receptacles. Reduces risk of terminal backout

Applications

Consumer
Office equipment
Fan tray assemblies
Gaming and vending

Data/Computing
Personal computers
Computers, work stations and servers

Work Stations
Office Equipment
Gaming Machines

Mini-Fit Jr. 4-, 6- and 10-Circuit Off-the-Shelf Overmolded Cable Assemblies
Off-the-Shelf (OTS) Mini-Fit Jr. Overmolded Cable Assemblies

Specifications

**Electrical**
- Voltage (max.): 300V AC/DC
- Current (max.): >9.0A
- Contact Resistance: 10 milliohm change from initial
- Dielectric Withstanding Voltage: 2200V AC
- Insulation Resistance: 1000 Megohms

**Mechanical**
- Contact Insertion Force: 15N
- Contact Retention to Housing: 30N
- Mating Force: 4.9N (Gold), 15.6N (Tin)
- Unmating Force: 4N (Gold), 13.8N (Tin)
- Durability (min.): 100 Cycles (Tin); 250 Cycles (Gold)

**Physical**
- Flammability: UL 94V-0 and Glow Wire
- Housing: Nylon
- Contact: Brass or Phosphor Bronze
- Plating: Tin
- Overmolding: PVC, Black, 15% Glass-filled
- Operating Temperature: -40 to +105°C

Ordering Information

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**Custom Product**

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www.molex.com/link/overmolded.html

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