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

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Mini-Fit Jr. 4-, 6- and 10-Circuit Off-the-Shelf Overmolded Cable Assemblies
### Specifications

#### Electrical
- Voltage (max.): 600V 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**

- **Description**: Mini-Fit Jr. Off-the-Shelf Overmolded Cable Assemblies