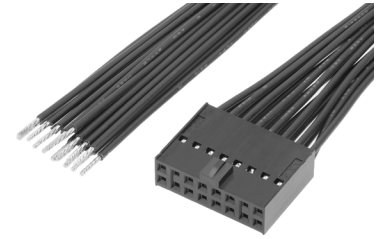


Off-the-Shelf (OTS) C-Grid III Cable Assemblies >

OTS C-Grid III Cable Assemblies offer complete design flexibility and unique design features to facilitate both prototyping and global preproduction



OTS C-Grid III Cable Assemblies

FEATURES AND ADVANTAGES

Gold flash and two-sided gold plating on contact available

Offers a more cost-effective solution



High mechanical stability after soldering

Helps ensure reliable connector performance



Single- and dual-row options available

Provides design flexibility



Polarization and friction-lock feature

Helps prevent mismating during assembly



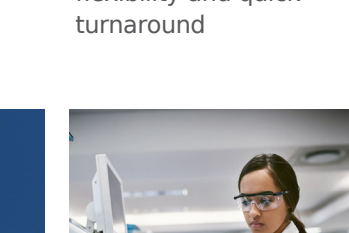
High pin retention force

Provides excellent retention for secure locking and proper mating



Easy breakaway feature

Produces smaller sizes for design flexibility and quick turnaround



MARKETS AND APPLICATIONS

Automotive

Infotainment systems
Safety systems

Consumer

Desktop PCs
Home entertainment systems
Monitors
Office equipment
Vending machines
White goods

Industrial

Industrial equipment
Measurement equipment

MedTech

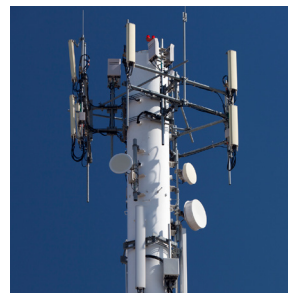
Laboratory devices
Medical equipment

Telecom/Datacom

Exchange station
Base stations
Control rooms
Servers



Vending Machine



Base Station



Medical Equipment

Off-the-Shelf (OTS) C-Grid III Cable Assemblies >

SPECIFICATIONS

REFERENCE INFORMATION

Packaging:
UL File No.: E29179*
CSA File No.:
Use With: 90119
Insulation Diameter: 1.02 to 1.47mm
Designed In: Millimeters
RoHS: Yes
Halogen Free: No
Glow Wire Capable: No

ELECTRICAL

Current (max.): 3.0A
Contact Resistance(max.): 20 milliohms*
Dielectric Withstanding Voltage: 1000V
Insulation Resistance:
Headers 5000 Megaohms (min.)*
PCB connectors 1000 Megaohms (min.)

MECHANICAL

Terminal Insertion Force: Gold 1N and Tin 3N
Terminal Retention to Housing: 20N (min)*
Mating Force (max.): 1N per contact
Unmating Force (min.): 0.2N Per contact
Durability (Min.): 30 Cycle

PHYSICAL

Housing: Polyphenylene Oxide 94 VI
Contact: Phosphorous Bronze
Plating: Tin, Gold, and Gold flash
Contact Area—Gold or Tin
Underplating—Nickel
Operating Temperature: -55 to + 125°C

*The specification given is based on the connector used.

ORDERING INFORMATION

Series	Component	Type	Circuits	Length (mm)
219658	C-Grid III Cable Assemblies	R-R	8, 10, 12, 14 and 16	150.00, 300.00, 600.00
219659		R-S		

www.molex.com/link/otscableassemblies.html