

# Off-the-Shelf (OTS) Milli-Grid Dual-Row (DR) Tin (Sn) Discrete-Wire Cable Assemblies >



OTS Milli-Grid DR (Sn) Discrete-Wire Cable Assemblies

OTS Milli-Grid DR Sn Discrete-Wire Cable Assemblies offer a variety of cable lengths for connector systems based on a 2.00 by 2.00mm grid pattern and provide design flexibility for wire-to-board, board-to-board and cable-to-board applications

## FEATURES AND ADVANTAGES

### Available gold or tin

Tin provides cost-savings; low contact resistance and good solderability

### Center polarization key

Prevents mismatching

### Locking windows

Ensure firm locking to receptacle



### IDT receptacle strain relief (optional)

Enhances cable retention

### Marking feature

Provides marking for first circuit location

### Early entry system crimp terminals

Provides longer pin wipe for a more reliable contact

### Locking ramps

Provide strong retention force to header

### Center polarization slot

Prevents mismatching

## MARKETS AND APPLICATIONS

### Automotive

Car audio  
Data / telemetry  
GPS

### Consumer

Copiers  
Fax machines  
Printers  
Satellite radio

### Telecommunications/Networking

Routers  
Servers  
Switches



Automotive



Consumer/Home appliances



Telecommunication/  
Networking

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## SPECIFICATIONS\*

### Reference Information

Packaging: Box  
 UL File No.: E29179\*  
 CSA File No.: LR19980\*  
 Use With: 24 AWG  
 Insulation Diameter: 1.15 ± 0.08 mm  
 Designed In: Millimeters  
 RoHS: Yes \*  
 Halogen Free: No\*  
 Glow Wire Compliant: No\*  
 IP Rating: N/A

\*Information is based on Milli-Grid connector specifications

### Electrical

Voltage (max.): up to 125 VAC (rms)  
 Current (max.): 6A for single circuit  
 Contact Resistance: 40 milliohms Max\*  
 Dielectric Withstanding Voltage: 500V AC (rms)  
 for 1 minute between adjacent terminal  
 or ground\*  
 Insulation Resistance: 1000 Mega Ohms (min)\*

### Mechanical

Terminal Insertion Force: 9.8 N (max) \*  
 Terminal Retention to Housing: 9.8N (min) \*  
 Mating Force: 1.96 N / CKT MAX\*  
 Unmating Force: 0.392 N / CKT Min\*  
 Durability (max.): 50 Cycles \*

### Physical

Housing: Polyester \*  
 Contact: Copper Alloy  
 Plating: Matte Tin  
 Plating Termination — Nickel  
 Underplating — NA  
 Operating Temperature: -10 to +105°C

## ORDERING INFORMATION

Series	Component	Circuits	Lengths (mm)
218509	Off-the-Shelf (OTS) Milli-Grid Dual-Row (DR) Tin (Sn) Discrete-Wire Cable Assemblies	4, 6, 8, and 10	50.00, 100.00, 150.00, 300.00 and 600.00
218510			

Custom product	Description
<a href="#">Contact Molex</a>	Off-the-Shelf (OTS) Milli-Grid Dual-Row (DR) Tin (Sn) Discrete-Wire Cable Assemblies

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)