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DATASHEET

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Off-the-Shelf (OTS) Mini-Fit Sigma Dual-Row Tin (Sn) Discrete-Wire Cable Assemblies

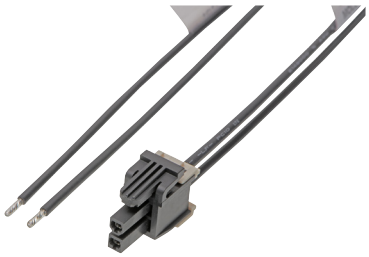


OTS Mini-Fit Sigma Dual-Row Tin Discrete-Wire Cable Assemblies

Off-the-Shelf (OTS) Mini-Fit Sigma Dual-Row Tin Discrete-Wire Cable Assemblies deliver up to 11.5A of current and offer a variety of circuit sizes to facilitate both prototyping and global preproduction

FEATURES AND ADVANTAGES

V-0 Glow Wire combination resin
Reduces the cost of materials and labor and allows customers to meet the European standards for electrical requirements



Polarized mating geometry
Helps ensure header and receptacle cannot be mismated





Positive locking housings
Help ensure connectors are fully mated with easy-to-operate thumb latch; help prevent accidental unmating



MARKETS AND APPLICATIONS

Automotive
Harness manufacturers
Inside devices
Non-sealed applications

Commercial Vehicle
Electronic control modules

Consumer
Gaming equipment
Gaming machines
Vending machines

Data/Computing
Copiers
Printers

Home Appliance
White goods

Industrial
Industrial equipment
Power suppliers

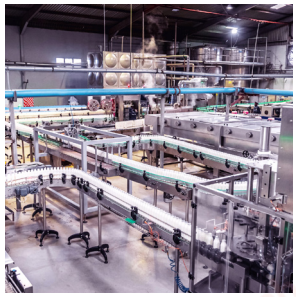
Industrial Automation
Automation equipment
Food and beverage dispensers

Medical
Medical devices
X-ray machines

Telecommunications/ Networking
Backplanes
Fan-tray assemblies
Rack-mount servers
Routers
Servers
Switches



Vending Machines



Industrial Automation



Copiers

Note: Application recommendations are based on the connector specifications.

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SPECIFICATIONS

REFERENCE INFORMATION

UL File No.: E29179*
CSA File No.: LR19980*
Use With: 16 AWG
Insulation Diameter: 1.50mm
Designed In: Millimeters
RoHS: Yes*
Halogen Free: No*
Glow Wire Capable: Yes*

*The specification given is based on the connector

ELECTRICAL

Voltage (max.): 600V AC/DC
Current (max.): 11.5A, depending on the number of circuits
Contact Resistance (max.): 10 milliohms
Dielectric Withstanding Voltage: 2200V AC for 1 minute between adjacent terminals and between terminals to ground*
Insulation Resistance: 1000 Megohms (min)*

MECHANICAL

Contact Insertion Force (max.): 15N
Contact Retention to Housing (min.): 30N
Mating Force (max.): 14.7N
Unmating Force (max.): 1N
Durability (min.): 30 cycles

PHYSICAL

Housing: Nylon
Contact: Brass
Plating: Tin
Contact Area: Tin
Operating Temperatures: -20 to +105°C

ORDERING INFORMATION

Series	Component	Circuits	Length (mm)
218310 218311	OTS Mini-Fit Sigma Dual-Row Sn Discrete-Wire Cable Assemblies	2 and 4	150, 300, 600

www.molex.com/link/otscableassemblies.html

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