

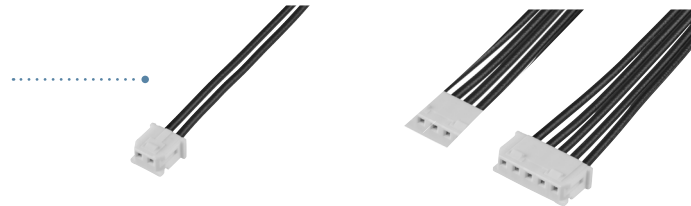
Off-the-Shelf (OTS) Micro-Latch Discrete Wire Cable Assemblies >

Off-the-Shelf (OTS) Micro-Latch Discrete Wire Cable Assemblies deliver up to 2.5A of current with a 2.00mm pitch, providing compact electrical and mechanical reliability that meets automotive, consumer and manufacturing industry requirements.

FEATURES AND ADVANTAGES

2.5A per circuit with 2.00mm pitch

Provides space savings



2 to 10 circuits, single-row plug

Offer design flexibility

Friction lock

Provides better terminal retention



Polarizing features

Help to avoid mis-mating

Receptacle-to-receptacle or receptacle-to-tinned wire

Enables use in a wider range of applications



Custom assemblies for production also available

Meets design needs after prototyping is complete, with Molex's extensive design and manufacturing expertise capable of meeting unique challenges in the most demanding applications

APPLICATIONS

Industrial Automation

Commercial vehicles

Consumer

White goods
Gaming machines
Drones
Air conditioners
Laser printers
Vacuum cleaners
Desktop PCs
Power tools

Automotive

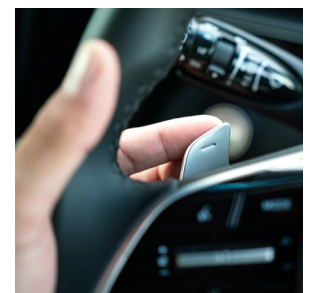
Steering wheel, paddle shift and combination switches
Shifters
Head-, rear- and side-mirror lights
Internal connection with other units



Gaming Machines



White Goods



Steering Wheel Switches



Industrial Automation



Drones

Off-the-Shelf (OTS) Micro-Latch Discrete Wire Cable Assemblies >

SPECIFICATIONS

Reference information

Packaging: Reel (Terminal)
 Tray (Header Assembly)
 Bag (Receptacle Housing)
 Mates With: Micro-Latch Connectors
 Use With: 51065
 Terminal Used: 50212/50372/59354
 Designed In: Millimeters
 RoHS: Yes
 Low Halogen: No

Electrical

Voltage (max.): 250V
 Current (max.): 2.5A (AWG#22)
 Contact Resistance on Crimped Portion (max.):
 5 milliohms
 Dielectric Withstanding Voltage:
 1000V AC (1 minute)
 Insulation Resistance (min.): 1000 Megaohms

Mechanical

Crimp Terminal Insertion Force (max.): 9.8N
 Crimp Terminal Retention Force (min.): 9.8N
 Pin Retention Force (min.): 9.8N
 Crimping Strength (min.): 39.2N (AWG#22)
 Durability (max.): 30 Cycles

Physical

Housing:
 Receptacle – PBT
 Header – Polyamide
 Contact: Phosphor Bronze
 Header Pin: Brass
 Plating (Receptacle Terminal):
 Contact Area — Pre-Tin (50212, 50372);
 Gold (59354)
 Plating (Header Pin):
 Contact Area — Tin (53253, 53254);
 Gold (502603)
 Operating Temperature: -55 to +105°C

ORDERING INFORMATION

Product Family	Series Number	Circuit	Length (mm)	Connector A	Connector B
Micro-Latch Discrete Wire Cable Assemblies	219678	2, 3, 4, 5, 6, 8 and 10	50, 100, 150, 300, and 600	Female Receptacle	Female Receptacle
	219679			Female Receptacle	Tinned Wire

Custom Product	Description
Contact Molex	Micro-Latch Discrete Wire Cable Assemblies Custom Lengths and Other Options

www.molex.com/link/otscableassemblies.html