

# Off-the-Shelf (OTS) Micro-Latch 2.0 Discrete Wire Cable Assemblies

Off-the-Shelf (OTS) Micro-Latch 2.0 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

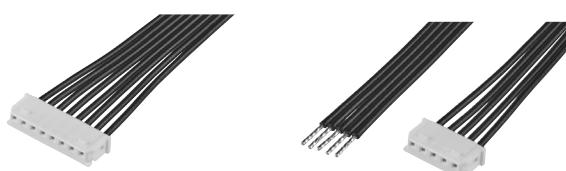


### 2 to 10 circuits, single-row plug

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 Automations

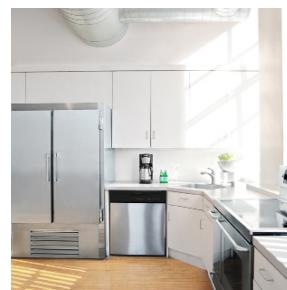
Commercial vehicles

### Consumer

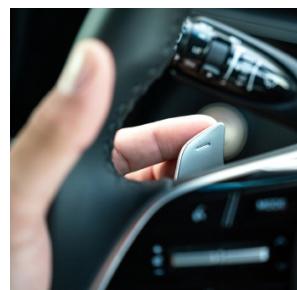
White goods  
Gaming machines  
Drones  
Air conditioners  
Laser printers  
Vacuum cleaners  
Desktop PCs  
Power toolst



Gaming Machines



White Goods



Steering Wheel Switches

### Industrial Automations

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



Industrial Automation



Drones

# Off-the-Shelf (OTS) Micro-Latch 2.0 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 2.0 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 2.0 Discrete Wire Cable Assemblies Custom Lengths and Other Options

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