
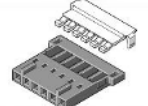




## Ordering Information

### RECEPTACLE, Discrete Wire

Component	Packaging	Flammability	Circuits	Description	Order No.
	Bag	94V-0	2 to 25	Crimp Housing with Positive Lock	<a href="#">50-57-94XX</a>
			2 to 8	Crimp Housing, Positive Lock with TPA	<a href="#">50-57-97XX</a>
			2 to 8	TPA (Terminal Positioning Assurance) Lock	<a href="#">73838-00XX</a>

Replace XX with number of circuits desired.

### FEMALE TERMINAL

Component	Description	Packaging	Base Material	Plating	Insulation Diameter, Max	Wire Range	Order No.
	Female Terminal	Reel	Phosphor Bronze	Tin	1.63mm	22 to 24 AWG	<a href="#">16-02-0086</a>
					1.52mm	24 to 30 AWG	<a href="#">16-02-0069</a>
				15µ" Gold	1.63mm	22 to 24 AWG	<a href="#">16-02-0087</a>
					1.52mm	24 to 30 AWG	<a href="#">16-02-0082</a>
				30µ" Gold	1.63mm	22 to 24 AWG	<a href="#">16-02-0088</a>
					1.52mm	24 to 30 AWG	<a href="#">16-02-0083</a>

### PLUG, Discrete Wire

Component	Packaging	Circuits	Flammability	Description	Order No.
	Bag	2 to 25	94V-0	Male Housing	<a href="#">70107-00YY</a>
				Male Housing, Panel Mount	<a href="#">70107-00ZZ</a>

Replace YY with number of circuits desired -1. For example, if you desire an 8 circuit part, insert 07.

Replace ZZ with number of circuits desired +34. For example, if you desire an 8 circuit part, insert 42.

## Ordering Information

### MALE TERMINAL

Component	Description	Packaging	Base Material	Plating	Insulation Diameter, Max	Wire Range	Order No.
	Male Terminal	Reel	Phosphor Bronze	Tin	1.63mm	22 to 24 AWG	<a href="#">16-02-0107</a>
					1.52mm	24 to 30 AWG	<a href="#">16-02-0105</a>
				15µ" Gold	1.63mm	22 to 24 AWG	<a href="#">16-02-0081</a>
					1.52mm	24 to 30 AWG	<a href="#">16-02-0077</a>
				30µ" Gold	1.63mm	22 to 24 AWG	<a href="#">16-02-0116</a>
					1.52mm	24 to 30 AWG	<a href="#">16-02-0078</a>

### RECEPTACLE (Insulation Displacement Technology)

Component	Flammability	Packaging	Description	Wire Range	Circuits	Plating	Order No.
	94V-0	Tube	Female IDT Housing	22 to 28 AWG	2 to 25	Tin	<a href="#">14-56-7XX1</a>
						15µ" Gold	<a href="#">14-56-7XX6</a>
			Male IDT Housing			Tin	<a href="#">14-44-52XX</a>
						15µ" Gold	<a href="#">14-44-53XX</a>

Replace XX with number of circuits desired.

Above part numbers 22 AWG options. See [molex.com](http://molex.com) for other AWG options.

### RECEPTACLE (Flat Flex Cable)

Component	Description	Packaging	Circuits	Flammability	Plating	Order No.
	Female FFC Housing with Positive Lock	Tube	2 to 25	94V-0	Tin	<a href="#">15-38-8XX0</a>
					15µ" Gold	<a href="#">15-47-4XX3</a>
	Male FFC Housing	Tube	2 to 25	94V-0	Tin	<a href="#">15-38-9XX2</a>
					15µ" Gold	<a href="#">15-47-5XX0</a>

Replace XX with number of circuits desired.

## Specifications

### Electrical

Current:  
 3.0A max. (Discrete Wire)  
 2.0A max. (IDT/FFC)  
 Voltage: 250V  
 Contact Resistance: 15 Milliohms  
 Dielectric Withstanding Voltage:  
 1500V AC for 1 Minute  
 Insulation Resistance: 1,000 Megohms

### Physical

Operating Temperature:  
 - 40 to +105°C

### Reference Information

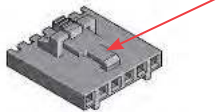

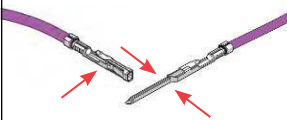
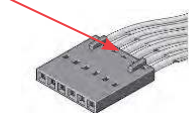
UL File No.: E29179  
 CSA File No.: LR19980  
 RoHS Compliant: YES

### Mechanical

Connector Retention:  
 45N max. When Latch Engaged  
 15N min. With Latch Disengaged

Maximum Wire Diameter  
 1.63mm (22 to 24 AWG Terminal)  
 1.52mm (24 to 30 AWG Terminal)

## Features and Benefits

Feature	Benefit	Picture
Positive locking	Ensures secure retention when receptacle and plug are mated	
Low-profile, stackable housing	Provides design flexibility with our without panel mounting	
Terminal provides two independent points of contact	Offers redundant, secondary current paths for long-term electrical performance and reliability	
Ribbon cable IDT (Insulation Displacement Technology)	Lowest cost termination method for high-volume cable assembly processing	
Terminal position assurance (TPA)	Increases terminal pull-out-force and reduces the risk of terminal back out	