

RECEPTACLE, Discrete Wire

Component	Packaging	Resin	Flammability	Description	Circuits	Order No.
	Bag	Polyester	UL 94V-0	Crimp Housing, Positive Lock	2 to 25	50-57-94XX
				Crimp Housing, Positive Lock with (TPA)	2 to 8	50-57-97XX
				TPA (Terminal Positioning Assurance) Lock	2 to 8	73838-00XX

Replace XX with number of circuits desired.
 *Above IDT part numbers 22 AWG options.

FEMALE TERMINAL

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

RECEPTACLE, IDT, FFC

Component	Flammability	Packaging	Circuits	Resin	Description	Plating	Order No.
	94V-0	Tube	2 to 25	Polyester	Female IDT, Polarizing Ribs	15μ" Gold	14-56-7XX6*
Tin						14-56-7XX1*	
					Female FFC/FPC Positive Lock	15μ" Gold	15-47-4XX3
						Tin	15-38-8XX0

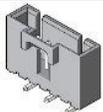
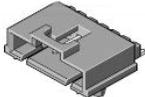
Replace XX with number of circuits desired.
 *Above IDT part numbers 22 AWG options.

Through-Hole Headers

Component	Packaging	Circuits	PCB Processing	Flammability	Description	Plating	Order No.
	Tube	2 to 25	260°C Max Through-hole Wave; 245°C Through-hole Pin in Paste	94V-0	Vertical Header	15μ" Gold	70543-00YY
Tin						70543-00ZZ	
					Right-Angle Header	15μ" Gold	70553-00YY
						Tin	70553-00ZZ
					Vertical Header with Tri-peg	15μ" Gold	70545-00ZZ
						Tin	70545-00YY
					Right-Angle Header with Tri-Peg	15μ" Gold	70555-00ZZ
						Tin	70555-00YY

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.

SMT Headers

Component	Circuits	PCB Processing	Header	Description	Packaging	Plating	Order No.
	2 to 25	Polyester	245°C MAX IR Reflow	Vertical SMT Header	Tube	15µ" Gold	74099-10XX
						Tin	74099-00XX
				Right-Angle SMT Header	Tape and Reel	15µ" Gold	15-91-7XX0
						Tin	15-91-6XX9

Replace XX with number of circuits desired.

Specifications

ELECTRICAL

Current:

3.0A max. (Discrete Wire)

2.0A max. (FFC/FPC)

Voltage: 250V

Contact Resistance: 15 Milliohms

Dielectric Withstanding Voltage:

1500V AC for 1 Minute

Insulation Resistance: 1,000 Megohms

REFERENCE INFORMATION

UL File No.: E29179

CSA File No.: LR19980

RoHS Compliant: Yes

PHYSICAL

Operating Temperature:

- 40 to 105°C

SOLDER TEMPERATURE

260°C (Through-hole Wave Solder)

245°C (IR Reflow SMT and Through-hole Paste)

MECHANICAL

Connector Retention:

45N max. When Latch Engaged

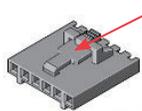
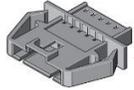
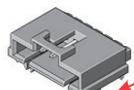
15N min. With Latch Disengaged

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 header are mated	
Low-profile, stackable housing	Provides design flexibility with or without panel mounting	
Terminal provides two independent points of contact	Offers redundant, secondary current paths for long-term electrical performance and reliability	
PCB retention pegs	Maintains header position on PCB during soldering	
Terminal position assurance (TPA) retainer	Assures terminals are fully seated in the housings. Increases terminal pull out force and reduces the risk of terminal back out	

www.molex.com/link/slmodular.html