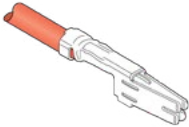
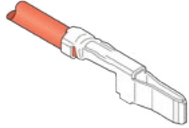
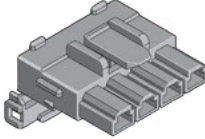


Ordering Information

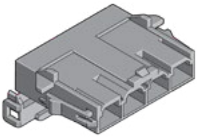
Terminal

Component	Description	Packaging	Base Material	Wire Range	Silver Order No.	Gold Order No.
	Female Terminal	Reel	Copper Alloy	14 - 16 AWG	42815-0144	42815-0042
				10 - 12 AWG	42815-0114	42815-0012
				8 AWG	42815-0134	42815-0032
	Male Terminal	Reel	Copper Alloy	14 - 16 AWG	42817-1044	42817-0042
				10 - 12 AWG	42817-1014	42817-0012
				8 AWG	42817-1034	42817-0032

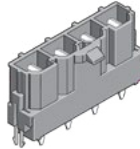
Receptacle

Component	Description	Packaging	Resin	Flammability	Circuits	Order No.
	Single Row Receptacle	Bag	Polyester	UL 94V-0	2	42816-0212
					3	42816-0312
					4	42816-0412
					5	42816-0512
					6	42816-0612

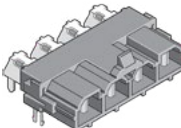
Plug

Component	Description	Packaging	Resin	Flammability	Circuits	Order No.
	Single Row Panel Mount Plug	Bag	Polyester	UL 94V-0	2	42818-0212
					3	42818-0312
					4	42818-0412
					5	42818-0512
					6	42818-0612

Vertical Header

Component	Description	Packaging	PCB Processing	PCB Thickness	Silver Order No.	Gold Order No.
	Single Row Vertical Header (2 to 6-Circuits)	Tray	260°C Wave Solder Capable	1.6mm / 0.062"	42819-X214	42819-X213
				2.4mm / 0.093"	42819-X224	42819-X223
	Single Row Vertical Header 2-Circuits	Tray	260°C Reflow Solder Capable	1.6mm / 0.062"		46986-X131*
				2.4mm / 0.093"		46986-X231*

Right Angle Header

Component	Description	Packaging	PCB Processing	PCB Thickness	Silver Order No.	Gold Order No.
	Single Row Right Angle Header (2 to 6-Circuits)	Tube	260°C Wave Solder Capable	1.6mm / 0.062"	42820-X214	42820-X213
				2.4mm / 0.093"	42820-X224	42820-X223
	Single Row Right Angle Header 2-Circuit	Tape and Reel	260°C Reflow Solder Cable	1.6mm / 0.062"		46984-X133*
				2.4mm / 0.093"		46984-X233*

Replace X with number of circuits required (2 to 6-circuits available). For example, if you desire a 3-circuit part, insert 3.

*Only 2-circuit reflow headers are tooled up

Specifications

ELECTRICAL

Current: 50.0A max.
Voltage: 600V AC / DC
Contact Resistance: 1.0mΩ max.

REFERENCE INFORMATION

UL File No.: E29179
CSA File No.: LR19980-555
RoHS Compliant

PHYSICAL

Operating Temperature: -40 to 105°C
Contact: Copper Alloy
Plating: 30μ” Select Gold over Nickel
100 μ”Pre Lubed Silver plated
Wire Gauge: 8 AWG, 10-12 AWG, 14-16 AWG
260°C Wave and Reflow Capable headers

MECHANICAL

Mating Force: 29.4N max. (per circuit)
Unmating Force: 4.9N min. (per circuit)
Durability: 100 cycles for Gold
30 cycles for Silver

Features and Benefits

Positive locking	Ensures secure retention when receptacle and header or receptacle and plug are mated and prevents accidental unmating
Polarized mating geometry	Ensures header and receptacle or plug and receptacle cannot be mismated
Fully isolated header pins and plug and receptacle terminals	Protects contacts against potential damage during handling and mating
Terminal provides four points of contact using two independent beams	Offers redundant, secondary current paths for long term electrical performance and reliability. Low terminal insertion forces
Terminal position assurance (TPA) retainer	Assures terminals are fully seated in the housings. Increases terminal pull out force. Reduces the risk of terminal back out