

FEATURES AND SPECIFICATIONS

Features and Benefits

- High current
- Fully polarized
- Positive locks
- Low engagement force
- Wire-to-wire, wire-to-board

Reference Information

Product Specification: PS-42815-0001

Packaging: Reel

UL File No.: E29179

CSA File No.: LR19980

TUV License No.: R9751144

Use With: 42818 and 43938 housings

Designed In: Millimeters

Electrical

Voltage: 600V

Current: 49.0A max.

Contact Resistance: 1 mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 MΩ min.

Mechanical

Contact Insertion Force: 5.0kg max.

Contact Retention to Housing: 9.0kg min.

Wire Pull-Out Force: 12 AWG—31.0kg

Insertion Force to PCB: 2.0kg max.

Mating Force: 1.0kg max.

Unmating Force: 0.5kg min.

Normal Force: 200g min.

Durability: 30 cycles

Physical

Contact: Copper Alloy

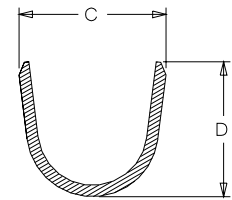
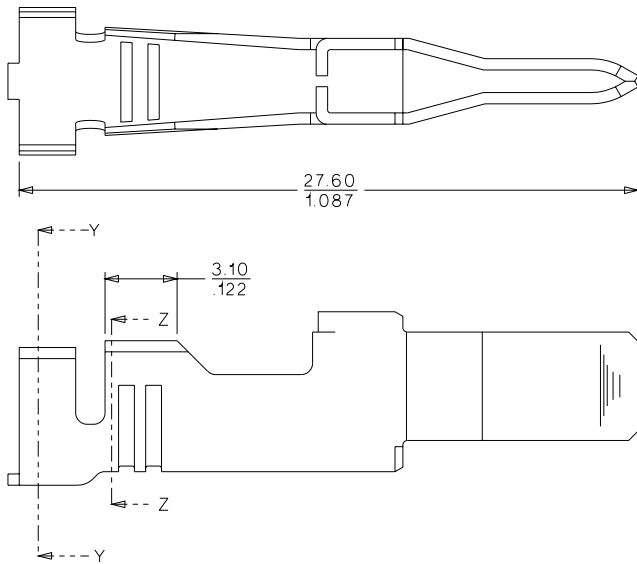
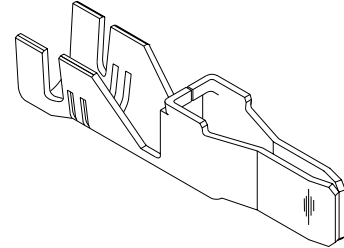
Plating: Tin/Lead over Nickel

Temperature: -40 to +105°C

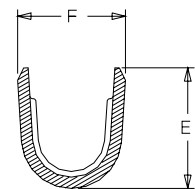
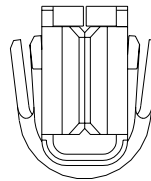
molex® 10.00mm (.393") Pitch Mini-Fit, Sr.™ Terminal

42817

Male



SECTION Y-Y



SECTION Z-Z

ORDERING INFORMATION AND DIMENSIONS

Order No.	Wire Size (AWG)	Dimension			
		C	D	E	F
42817-0011	12 and 10	5.90 (.232)	6.60 (.260)	6.10 (.240)	5.40 (.213)
42817-0031	8	6.00 (.236)	5.50 (.216)	7.42 (.292)	5.83 (.229)