

FEATURES AND SPECIFICATIONS

Features and Benefits

- Available in Tin or Gold platings
- Available in Brass or Phosphor Bronze base materials
- Accommodates 14 to 30 gauge wire
- Available in crimp or PC tail versions

Reference Information

Packaging: Bag or reel
UL File No.: E29179
CSA File No.: LR19980
Designed In: Inches

Electrical

Current: Standard terminal—12.0A max.*
High Current Terminal—14.0A max.*
Contact Resistance: 10mΩ max

Mechanical

Contact Insertion Force: 2.3kg (5.0 lb) max.
Contact Retention Force: 9.1kg (20.0 lb) min.
Mating Force: 1.59kg (3.5 lb) max.
Unmating Force: 1.625kg (3.575 lb) max.
Durability: Tin plating—25 cycles max.
Gold plating—50 cycles max.

Physical

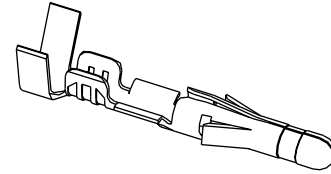
Contact: Brass or Phosphor Bronze
Plating: Tin or Gold
Operating Temperature: -40 to +105°C

* Depending on circuit size and wire gauge; please refer to product specifications



2.36mm (.093") Pin Diameter .093" Pin and Socket Male Terminals

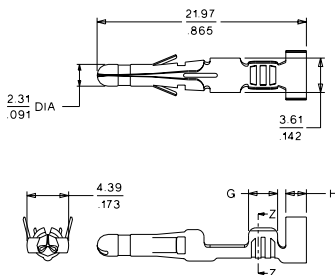
Standard .093" and 3191



Power Connectors

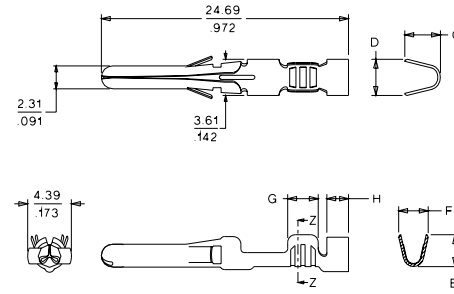
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STANDARD



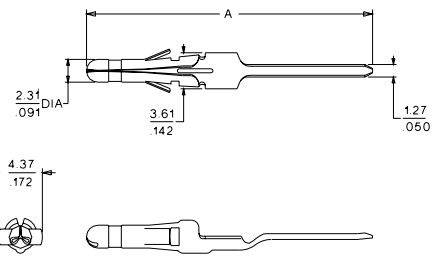
SECTION Z-Z

GROUNDING PIN



SECTION Z-Z

PC TAIL



ORDERING INFORMATION

Type	Plating	Crimp Wire Size	Insulation Diameter	Series	Order No.	
					Chain Form	Loose Form
Standard Brass .010"	Tin	14-20	1.65/4.06 (.065/.160)	1190	• 02-09-2101	• 02-09-2103
		18-22	1.52/3.05 (.060/.120)	1380	• 02-09-2116	• 02-09-2118
		22-24	1.27/1.78 (.050/.070)	2870	02-09-2136	02-09-2137
		24-30	0.76/1.52 (.030/.060)	1434	• 02-09-2141	• 02-09-2143
	15μ" Gold	14-20	1.65/4.06 (.065/.160)	1190	• 02-09-6100	• 02-09-6106
		18-22	1.52/3.05 (.060/.120)	1380	• 02-09-6122	• 02-09-6123
		24-30	0.76/1.52 (.030/.060)	1434	• 02-09-6144	• 02-09-6145
	50μ" Gold	14-20	1.65/4.06 (.065/.160)	1190	• 02-09-6101	• 02-09-6110
		18-22	1.52/3.05 (.060/.120)	1380	• 02-09-6125	• 02-09-6126
.008" Low Engagement Force †	Tin	18-22	1.52/3.05 (.060/.120)	4272	02-09-1151	02-09-1149
Grounding Pin	Tin	14-18	1.65/3.56 (.065/.140)	1973-2	02-09-8108	02-09-8109
		18-22	1.52/3.05 (.060/.120)	1973	02-09-8103	02-09-8104
.013" High Current/Low Force	Tin	14-18	3.56 (.140) max.	42478	• 02-09-2611	• 02-09-2612
PC Tail	For Standard .093" Housing	Tin		1376		• 02-09-2134
	For Standard .093" Housing	30μ" Gold		1376		• 02-09-6132
	For 3191 Housing	Tin		2606		• 02-09-8113

• US Standard Product, available through Molex franchised distributors

† Engagement force is approximately 2.5 lb per circuit. Current rating is derated from standard terminals by 2.0A per circuit.