

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

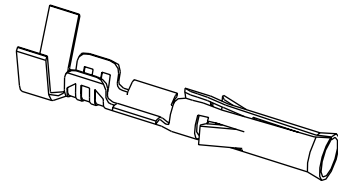
Contact: Brass or Phosphor Bronze
 Plating: Tin or Gold
 Operating Temperature: -40 to +105°C
 Strip Length: See tooling section

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

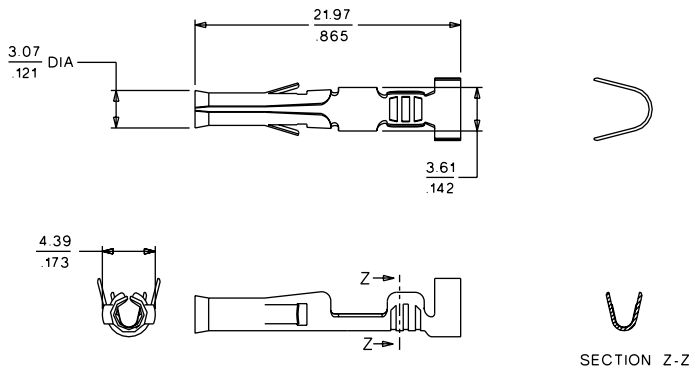


2.36mm (.093") Pin Diameter .093" Pin and Socket Female Terminals

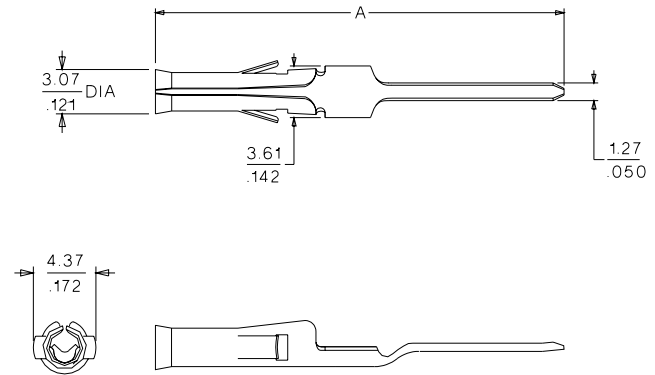
Standard .093" and 3191



STANDARD CATALOG DRAWING (FOR REFERENCE ONLY)



PC TAIL CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

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)	1189	● 02-09-1102	● 02-09-1104
			18-22	1.52/3.05 (.060/.120)	1381	● 02-09-1117	● 02-09-1119
			22-24	1.27/1.78 (.050/.070)	2871	02-09-1138	02-09-1139
			24-30	0.76/1.52 (.030/.060)	1433	● 02-09-1142	● 02-09-1144
		15μ" Gold	14-20	1.65/4.06 (.065/.160)	1189	● 02-09-5100	● 02-09-5106
			18-22	1.52/3.05 (.060/.120)	1381	● 02-09-5143	● 02-09-5142
			24-30	0.76/1.52 (.030/.060)	1433	● 02-09-5146	● 02-09-5147
		50μ" Gold	14-20	1.65/4.06 (.065/.160)	1189	● 02-09-5102	● 02-09-5111
			18-22	1.52/3.05 (.060/.120)	1381	● 02-09-5130	● 02-09-5133
.008" Low Engagement Force†		Tin	18-22	1.52/3.05 (.060/.120)	2273	02-09-1122	02-09-1123
.013" High Current/Low Force		Tin	14-18	3.56 (.140) max.	42477	● 02-09-1615	● 02-09-1616
PC Tail	For Standard .093" Housing	Tin			1377		● 02-09-1134
	For Standard .093" Housing	30μ" Gold			1377		● 02-09-5132
	For 3191 Housing	Tin			2605		● 02-09-1145
Phos-Bronze .010"		Tin	14-20	1.65/4.06 (.065/.160)	4550	02-09-1205	02-09-1206
			18-22	1.52/3.05 (.060/.120)	2151	02-09-1203	02-09-1204
		30μ" Gold	14-20	1.65/4.06 (.065/.160)	4550	02-09-5169	02-09-5170
Phos-Bronze .008"		Tin	14-20	1.65/4.06 (.065/.160)	6310	02-09-1209	02-09-1211
			18-22	1.52/3.05 (.060/.120)	6271	02-09-1208	02-09-1212

• 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.