

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

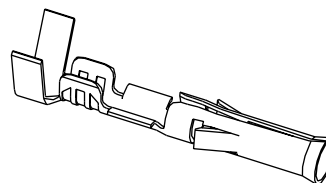
Contact: Brass or Phosphor Bronze
 Plating: Tin or Gold
 Operating Temperature: -40 to +105°C
 Strip Length: See tooling section

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

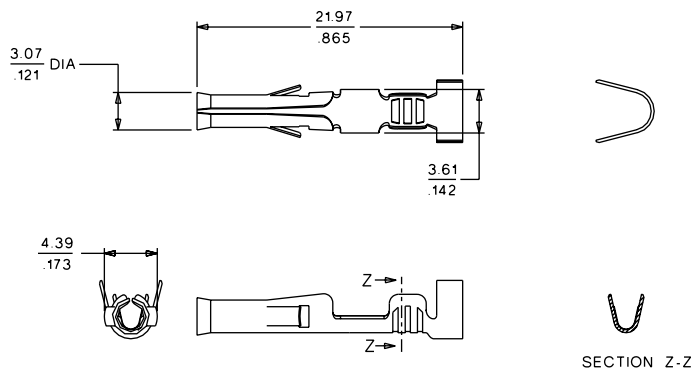


2.36mm (.093") Pin Diameter .093" Pin and Socket Female Terminals

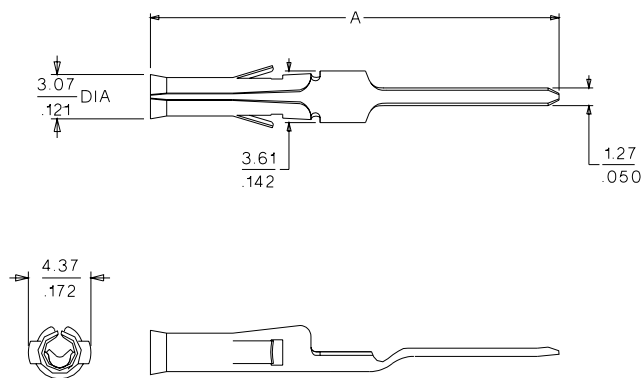
Standard .093" and 3191



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
		14-20	1.65/4.06 (.065/.160)	1189	• 02-09-5102	• 02-09-5111
.008" Low Engagement Force [†]	Tin	18-22	1.52/3.05 (.060/.120)	1381	• 02-09-5130	• 02-09-5133
		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		• 02-09-5134
	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
		14-20	1.65/4.06 (.065/.160)	6310	02-09-1209	02-09-1211
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.