

FEATURES AND SPECIFICATIONS

Features and Benefits

- Polarizing side posts and PCB pegs
- Stamped SMT contacts with in-line, flat blades
- 2 points of contact with female terminal
- Rigid, staggered SMT solder tails
- Friction lock
- Optional retention bulb between circuits 12 to 26 only (contact Molex)

Reference Information

Product Specification: PS-99020-0011
 Packaging: Tube or blister pack (contact Molex)
 Mates With: [90327](#)
 Designed In: Millimeters

Electrical

Voltage: 250V
 Current: 1.2A
 Contact Resistance: 15mΩ max.
 Dielectric Withstanding Voltage: 750V rms
 Insulation Resistance: 1000 MΩ min.

Mechanical

Contact Retention to Housing: 7N
 Mating Force: 1.7N Tin/Lead and 1.1N Gold
 Unmating Force: 0.25N Tin/Lead and 0.25N Gold
 Durability: 30 cycles max. Tin/Lead and 100 cycles max. Gold (using extraction tool)

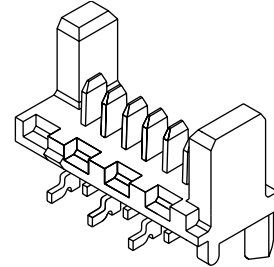
Physical

Housing: Natural, 30% glass-filled nylon, UL 94V-0
 Contact: Brass
 Plating: See Table
 Operating Temperature: -40 to +105°C

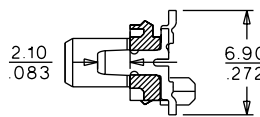
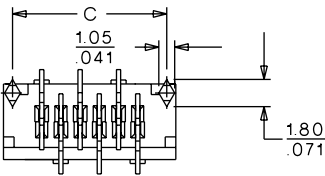
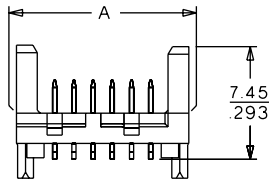
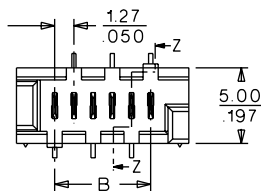
molex® 1.27mm (.050") Pitch Picoflex™ PF-50 Header

90814

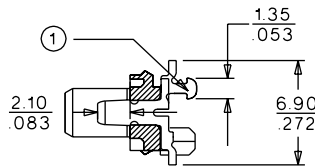
SMT



CATALOG DRAWING (FOR REFERENCE ONLY)

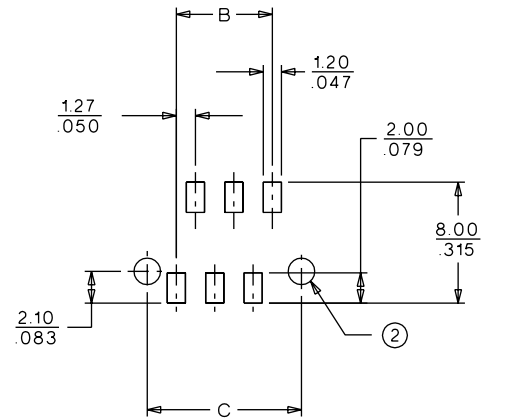


SECTION Z-Z



SECTION Z-Z WITH RETENTION BULBS

- ① RETENTION BULBS OPTIONAL ON 12-26 CIRCUITS
- ② 1.75 DIA. TYPICAL FOR 90814-X0XX
2.00 DIA. TYPICAL FOR 90814-X2XX



PCB LAYOUT: SURFACE MOUNT SIDE
 RECOMMENDED PCB THICKNESS: $\frac{1.60}{.063}$

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.				Dimension		
	Tube Pack		Blister Pack		A	B	C
	Plating 1	Plating 2	Plating 1	Plating 2			
4	90814-0004	90814-3004	90814-0204	90814-3204	8.86 (.349)	3.81 (.150)	7.66 (.302)
6	90814-0006	90814-3006	90814-0206	90814-3206	11.40 (.449)	6.35 (.250)	10.20 (.402)
8	90814-0008	90814-3008	90814-0208	90814-3208	13.94 (.549)	8.89 (.350)	12.74 (.502)
10	90814-0010	90814-3010	90814-0210	90814-3210	16.48 (.649)	11.43 (.450)	15.28 (.602)
12	90814-0012	90814-3012	90814-0212	90814-3212	19.02 (.749)	13.97 (.550)	17.82 (.702)
14	90814-0014	90814-3014	90814-0214	90814-3214	21.56 (.849)	16.51 (.650)	20.36 (.802)
16	90814-0016	90814-3016	90814-0216	90814-3216	24.10 (.949)	19.05 (.750)	22.90 (.902)
18	90814-0018	90814-3018	90814-0218	90814-3218	26.64 (1.049)	21.59 (.850)	25.44 (1.002)
20	90814-0020	90814-3020	90814-0220	90814-3220	29.18 (1.149)	24.13 (.950)	27.98 (1.102)
26	90814-0026	90814-3026	90814-0226	90814-3226	36.80 (1.449)	31.75 (1.250)	35.60 (1.402)

Plating 1: Tin/Lead 3-5μm (120-200μ")

Plating 2: Select Gold .76μm (30μ")