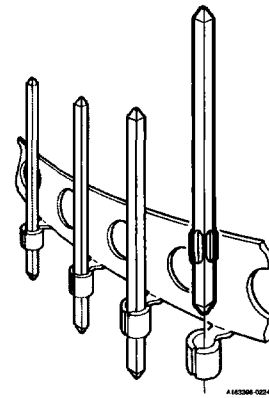


Pins

2.54 mm (0.100 in.) Centerline

BergPin® Solder-to-Board Terminal



Features

- Made from drawn square wire with a maximum corner radius of 0.05 mm (0.002 in.) for wire wrapping.
- Hole diameter is 0.81 mm (0.032 in.).
- A wide range of application machines is available.
- Available in a variety of platings and pin lengths.
- GXT™ (palladium-nickel alloy with gold flash), a Berg Electronics gold equivalent plating, ensures high cycle life and excellent solderability.
- Packaged in reels or bags of loose pieces.


Mating Data


Mates with all receptacles requiring a 0.64 mm (0.025 in.) square pin.

Specifications

- MIL-G-45204
- MIL-P-55110
- MIL-P-81728
- MIL-P-45209
- MIL-STD-275
- MIL-STD-1130
- QQ-B-750

Approvals and Certifications

 File no. E66906

 File no. LR46923

Application Equipment

Description	Page
▪ BP-155 Semi-automatic pantograph insertion machine	13-119
▪ BP-161C Semi-automatic insertion machine	13-119
▪ BP-191B Computer-controlled insertion machine	13-120

Technical Data

Materials

- Contact Drawn wire 0.64 mm (0.025 in.) square, 3/4-hard phosphor-bronze

Dimensions

- Corner radius 0.05 mm (0.002 in.) max
- PCB thickness 1.58 mm (0.062 in.) to 3.18 mm (0.125 in.)
- PCB hole diameter (finished)
 - ▶ 1.59 mm (0.062 in.) thick PCB 0.81 ±0.05 mm (0.032 ±0.002 in.)
 - ▶ 2.38 mm (0.093 in.) thick PCB 0.86 ±0.05 mm (0.034 ±0.002 in.)
 - ▶ 3.18 mm (0.125 in.) thick PCB 0.86 ±0.05 mm (0.034 ±0.002 in.)

Mechanical Performance

- Contact retention force 8.9–89 N (2–20 lbf) (before soldering, staked in G-10 glass epoxy PWB)

Electrical Performance

- Insulation resistance 5000 MΩ min

- Contact resistance 15 mΩ max
- Withstanding voltage 1000 V ac rms
- Current rating
 - ▶ Mated with Mini PV™ 3 amp dc continuous
 - ▶ Mated with Maxi PV 5 amp dc continuous

Plating

- Finish 0.38 μm (15 μin.) gold over 1.27 μm (50 μin.) nickel or 0.76 μm (30 μin.) gold over 1.27 μm (50 μin.) nickel or 1.27 μm (50 μin.) gold over 1.27 μm (50 μin.) nickel or 0.76 μm (30 μin.) GXT over 1.27 μm (50 μin.) nickel or 3.81 μm (150 μin.) tin-lead (93/7)

Operating Environment

- Temperature range -40°C to +125°C

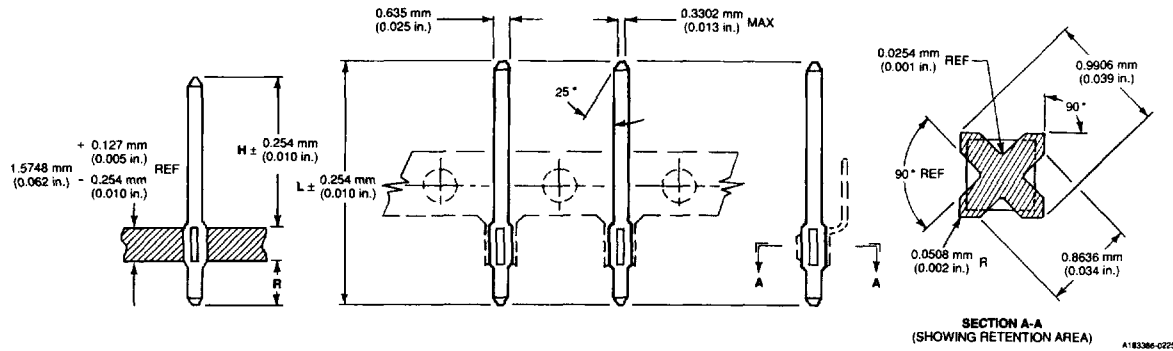
Packaging

- Reels
- Antistatic bags (loose piece)

Customer Support Materials

Description	Order No.	Description	Order No.
Customer Product Drawings	By Part No.	Product Samples	Upon Request
Product Specifications	BUS-12-064		

Description



Ordering Data

□ □ □ □ - X X X

Base number specifies plating and packaging options.

Dash number specifies pin length.

Package	Gold			GXT™ 0.76 µm (30 µin.)	Tin-Lead 3.81 µm (150 µin.)
	0.38 µm (15 µin.)	0.76 µm (30 µin.)	1.27 µm (50 µin.)		
Reel	75409	75401	75403	75405	75404
Loose piece	76159	76151	76153	76155	76154

Dash Number

	Dimensions					
	H*		R		L	
	mm	in.	mm	in.	mm	in.
-001	5.97	0.235	1.14	0.045	8.76	0.345
-041	5.97	0.235	2.03	0.080	9.65	0.380
-059	5.97	0.235	3.30	0.130	10.92	0.430
-002	6.86	0.270	1.14	0.045	9.65	0.380
-028	7.87	0.310	1.14	0.045	10.41	0.410
-060	8.73	0.340	8.05	0.320	7.78	0.710
-040	8.13	0.320	10.03	0.395	19.81	0.780
-003	8.89	0.350	1.14	0.045	11.68	0.460
-015	8.89	0.350	6.22	0.245	16.76	0.660
-022	8.89	0.350	8.02	0.315	19.56	0.770
-004	10.29	0.405	1.14	0.045	13.68	0.515
-018	10.29	0.405	8.22	0.325	18.16	0.715
-023	10.29	0.405	9.02	0.355	20.96	0.825
-046	11.05	0.435	13.59	0.535	26.29	1.035
-006	11.18	0.440	1.14	0.045	13.97	0.550
-007	11.94	0.470	1.14	0.045	14.73	0.580
-045	12.90	0.504	1.42	0.056	18.88	0.745
-008	13.21	0.520	1.14	0.045	16.00	0.630
-009	14.61	0.575	1.14	0.045	17.40	0.685
-010	14.99	0.590	1.14	0.045	17.78	0.700
-038	15.24	0.600	8.38	0.330	25.27	0.995
-011	16.26	0.640	1.14	0.045	19.05	0.750
-012	16.76	0.660	1.14	0.045	19.56	0.770
-013	19.05	0.750	1.14	0.045	21.84	0.860
-042	22.23	0.875	1.14	0.045	25.02	0.985

*Dimension H decreases by 0.38 mm (0.015 in.) for 2.39 mm (0.93 in.) PCBs and by 0.76 mm (0.030 in.) for 3.18 mm (0.125 in.) PCBs.

Ordering data shown is for our standard product offering. For special sizes or high-volume orders, contact your authorized Berg Electronics representative.