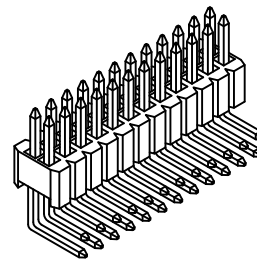


Recommended PCB Layout



Specifications

Material
 Insulator Material: Polyester, LCP, UL 94V-0
 Contact Terminal: Copper Alloy

Plating
 See Ordering Grid

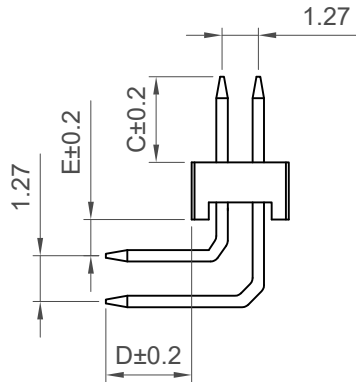
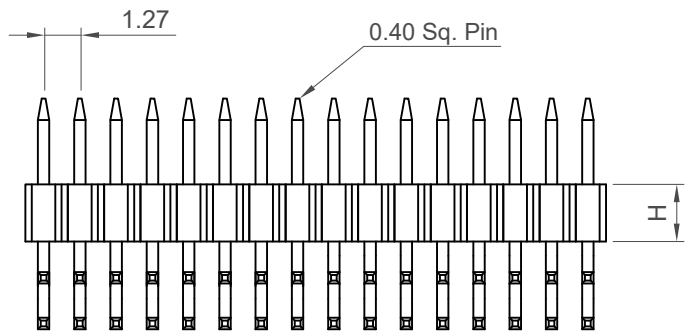
Electrical
 Current Rating: 1A per pin
 Contact Resistance: 20 mΩ max.
 Insulating Resistance: 1000 MΩ min.
 Dielectric Withstand Voltage: 300V AC

Soldering Process:
 IR Reflow: 260°C for 10 sec.
 Wave: 250°C for 5-10 sec
 Manual Solder: 350°C for 3-5 sec

Mechanical & Environmental
 Operating Temperature: -40°C to +105°C

Mates with (Subject to pin length)
 BD050 BD055 BD060 BD064
 BD065 BD091 BD092 BD093

No. of Contacts	Dimensions	
	A	B
4	1.27	2.54
6	2.54	3.81
8	3.81	5.08
10	5.08	6.35
12	6.35	7.62
14	7.62	8.89
16	8.89	10.16
18	10.16	11.43
20	11.43	12.70
22	12.70	13.97
24	13.97	15.24
26	15.24	16.51
28	16.51	17.78
30	17.78	19.05
32	19.05	20.32
34	20.32	21.59
36	21.59	22.86
38	22.86	24.13
40	24.13	25.40
42	25.40	26.67
44	26.67	27.94
46	27.94	29.21
48	29.21	30.48
50	30.48	31.75
52	31.75	33.02
54	33.02	34.29
56	34.29	35.56
58	35.56	36.83
60	36.83	38.10
62	38.10	39.37
64	39.37	40.64
66	40.64	41.91



No. of Contacts
04 to 66

Contact Plating

- A = Gold Flash All Over (Standard)
- B = Selective Gold Flash Contact Area/Tin On Tail
- C = Tin All Over
- G = 10µ" Gold Contact Area/Tin On Tail
- I = 30µ" Gold Contact Area/Tin On Tail

Insulator Height 'H'

- L = 2.5mm (Standard)
- K = 1.0mm
- A = 1.5mm
- G = 1.7mm
- B = 2.0mm
- M = 2.7mm
- F = 3.0mm

Dimension C (1/100mm) (Post Height)
0480 = 4.80mm (Standard)
 or specify Custom Post Height
 eg 0300 = 3.00mm
 (Maximum 0800=8.00mm)
 (Minimum 0100=1.00mm)

Dimension D (1/100mm) (Tail Length)
0250 = 2.50mm (Standard)
 or specify Custom Tail Length
 eg 0300 = 3.00mm
 (Maximum 0500=5.00mm)
 (Minimum 0100=1.00mm)

Dimension E (1/100mm) (Center of Pin to Insulator)
 See table above for standards
 or specify Custom Centre of Pin to Insulator length
 eg 0080 = 0.80mm
 (Maximum 0400=4.00mm)
 (Minimum 0020=0.20mm)

Packing Options
 G = Plastic Box (Standard)
 D = Tube
 E = Tube with Cap
Insulator Material
 L = LCP (Standard)

DIMENSION E STANDARDS	
INSULATOR HEIGHT 'H'	DIMENSION E
L = 2.5mm (Standard)	0.80mm
K = 1.00mm	0.20mm
A = 1.50mm	0.30mm
G = 1.70mm	1.30mm
B = 2.00mm	0.80mm
M = 2.70mm	0.20mm
F = 3.00mm	1.20mm

Part Number BD035		Product Description 1.27mm Pitch Pin Header, Dual Row, Through Hole, Horizontal	
Drawing Date 21st December 2007			
By AJO	Detail BD035 E PCN	Tolerances (Except as Noted) Length: X ± 0.30, X.X ± 0.20, X.XX ± 0.15, X.XXX ± 0.10	Angle: X° ± 5°, X.X° ± 2°, X.XX° ± 1°, X.XXX° ± 0.5°
Revision E4	Date 08/02/18	Units: Metric (mm)	3rd Angle Projection
		This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	



Not to Scale | Drawn By VJ | Sheet No. 1/1