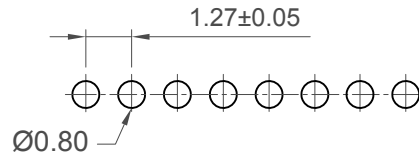
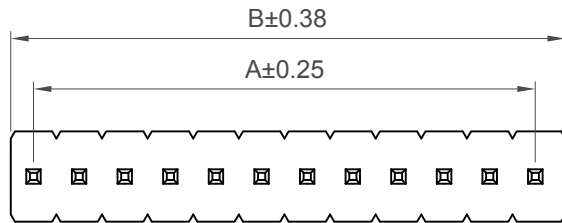
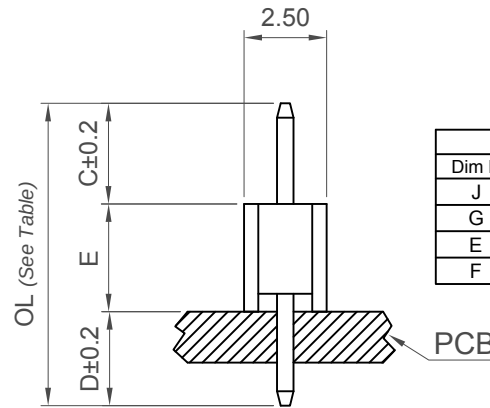
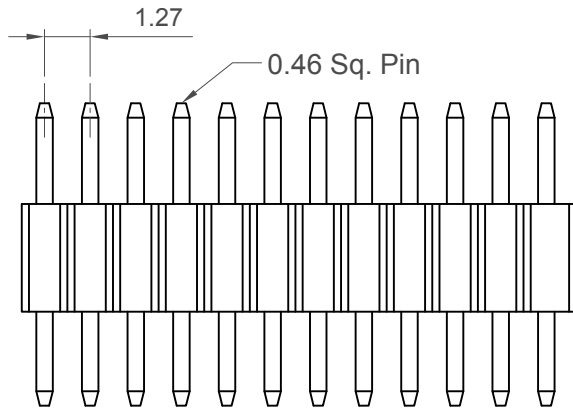
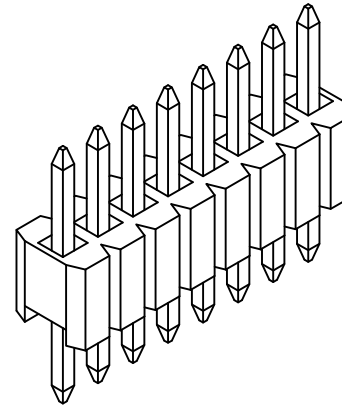


H
G
F
E
D
C
B
A



Recommended PCB Layout



Maximum Table		
Dim E	OL Max (mm)	Dim C&D Max (mm)
J	12.00	8.00
G	15.00	10.00
E	15.00	10.00
F	15.00	10.00

No. of Contacts	Dimensions	
	A	B
2	1.27	2.54
3	2.54	3.81
4	3.81	5.08
5	5.08	6.35
6	6.35	7.62
7	7.62	8.89
8	8.89	10.16
9	10.16	11.43
10	11.43	12.70
11	12.70	13.97
12	13.97	15.24
13	15.24	16.51
14	16.51	17.78
15	17.78	19.05
16	19.05	20.32
17	20.32	21.59
18	21.59	22.86
19	22.86	24.13
20	24.13	25.40
21	25.40	26.67
22	26.67	27.94
23	27.94	29.21
24	29.21	30.48
25	30.48	31.75

No. of Contacts	Dimensions	
	A	B
26	31.75	33.02
27	33.02	34.29
28	34.29	35.56
29	35.56	36.83
30	36.83	38.10
31	38.10	39.37
32	39.37	40.64
33	40.64	41.91
34	41.91	43.18
35	43.18	44.45
36	44.45	45.72
37	45.72	46.99
38	46.99	48.26
39	48.26	49.53
40	49.53	50.80
41	50.80	52.07
42	52.07	53.34
43	53.34	54.61
44	54.61	55.88
45	55.88	57.15
46	57.15	58.42
47	58.42	59.69
48	59.69	60.96
49	60.96	62.23
50	62.23	63.50

Specifications

Material

Insulator: LCP, UL94V-0, Black
Contact: Copper Alloy

Plating

Underplating: Nickel all over
Contact Area: See Ordering Grid

Electrical

Current Rating: 1 Amp 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)

BD069 BD076

BD069 Recommended mating length 2.00mm

Ordering Grid

BD020-XX-X-X-XXXX-XXXX-X-X Request Samples and Quotation

No. of Contacts
02 to 50

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

Dimension E (Insulator Height)

J = 1.40mm (Standard)
G = 1.70mm
E = 2.54mm
F = 3.0mm

Packing Options

G = Plastic Box (Standard)
B = Tape & Reel with Cap
D = Tube
E = Tube with Cap
Insulator Material
L = LCP

Dimension D (1/100mm) (Tail Length)

0300 = 3.00mm (Standard)
or specify Custom Tail Length
eg 0250 = 2.50mm
(Minimum 0050=0.50mm)
(Maximum - See Table)

Dimension C (1/100mm) (Post Height)

0200 = 2.00mm (Standard)
0350 = 3.50mm (Standard)
or specify Custom Post Height
eg 0250 = 2.50mm
(Minimum 0050=0.50mm)
(Maximum - See Table)

Part Number		Product Description	
BD020		1.27mm Pitch Pin Header	
Drawing Date		Single Row, Through-Hole, Vertical	
28th December 2007			
By	CC	Tolerances (Except as Noted)	Units:
Detail	BD020 F PCN	Length X. ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Metric (mm)
Revision	F6	Angle X.° ± 5° X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°	3rd Angle Projection
Date	13/02/20		



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

GCT
www.gct.co

Not to Scale
Drawn By AJO
Sheet No. 1/1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[GCT:](#)

[BD020-04-A-J-0350-0300-L-G](#)