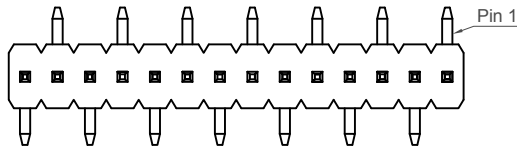
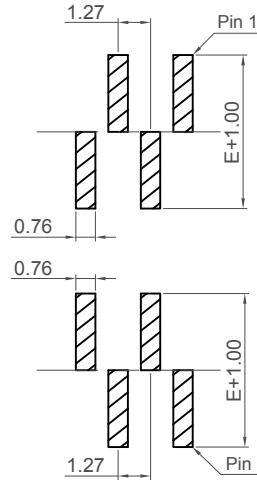
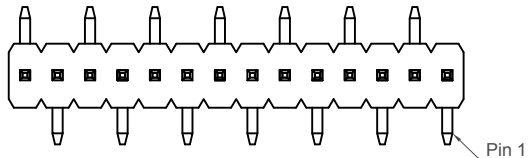


R1 Type

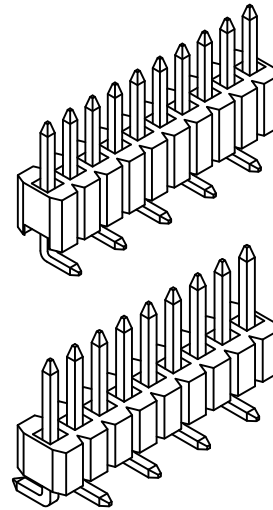
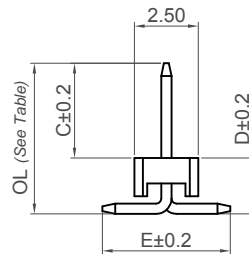
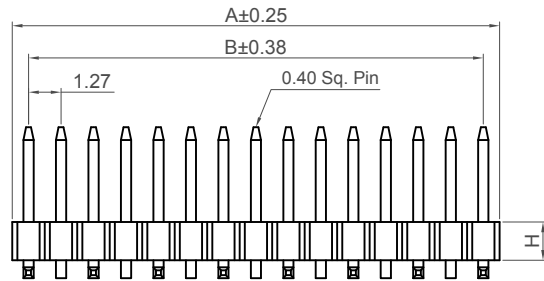


R2 Type



Recommended PCB Layouts

Solder Area



No. of Contacts	Dimensions		No. of Contacts	Dimensions	
	A	B		A	B
2	2.54	1.27	18	22.86	21.59
3	3.81	2.54	19	24.13	22.86
4	5.08	3.81	20	25.40	24.13
5	6.35	5.08	21	26.67	25.40
6	7.62	6.35	22	27.94	26.67
7	8.89	7.62	23	29.21	27.94
8	10.16	8.89	24	30.48	29.21
9	11.43	10.16	25	31.75	30.48
10	12.70	11.43	26	33.02	31.75
11	13.97	12.70	27	34.29	33.02
12	15.24	13.97	28	35.56	34.29
13	16.51	15.24	29	36.83	35.56
14	17.78	16.51	30	38.10	36.83
15	19.05	17.78	31	39.37	38.10
16	20.32	19.05	32	40.64	39.37
17	21.59	20.32	33	41.91	40.64

Specifications

Material

Insulator: Polymer, LCP, UL94V-0
Polyamide, Nylon 6T, UL94V-0
Contact: 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

Mechanical & Environmental

Operating Temperature: -40°C to +105°C

Insulator Height 'H'	Maximum Table	
	OL Max (mm)	Dim C Max (mm)
A	12.00	8.00
K	10.00	6.00
B	15.00	10.00

Soldering Process: (LCP & Nylon 6T)
IR Reflow: 260°C for 10 sec.
Manual Solder: 350°C for 3-5 sec

Mates with (Subject to pin length)
BD074 BD075 BD080 BD090

BD074 Recommended mating length 1.50mm

Ordering Grid

BD021 - **XX**X - **X**X - **XXXX** - **XXXX** - **XXXX** - **X**X

No. of Contacts: 02 to 33

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':
A = 1.50mm (Standard)
K = 1.00mm
B = 2.00mm

Type:
 1 = R1 Type
 2 = R2 Type

Packing Options:
B = Tape & Reel w/Cap (Standard)
D = Tube
E = Tube with Cap

Insulator Material:
L = LCP
N = Nylon 6T

Dimension E (Footprint Width) (1/100mm):
0550 = 5.50mm (Standard)
 or specify custom Footprint width
 eg 0500 = 5.00mm
 (Tooling charge may apply)

Dimension D (PCB to Top of Insulator) (1/100mm):
0150 = 1.50mm (Standard - Minimum where 'H' = K)
0200 = 2.00mm (Standard - Minimum where 'H' = A)
0240 = 2.40mm (Standard - Minimum where 'H' = B)
 or specify custom PCB to top of Insulator Height
 eg 0250 = 2.50mm

Part Number		Product Description	
BD021		1.27mm Pitch Pin Header	
Drawing Date		Single Row, Surface Mount, Vertical	
27th March 2008			
By	CC	Tolerances (Except as Noted)	Units:
Detail	BD021	Length	Metric (mm)
Revision	D4	D PCN	
Date	07/09/17	X.X ± 0.38	Angle
		X.XX ± 0.25	X° ± 5°
		X.XXX ± 0.13	X.X° ± 2°
			X.XX° ± 1°
			X.XXX° ± 0.5°



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



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Not to Scale	Drawn By ASE	Sheet No. 1/1
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H
G
F
E
D
C
B
A