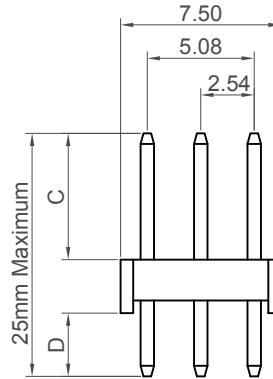
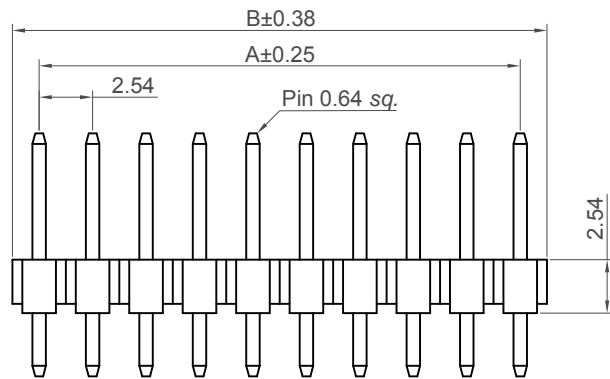
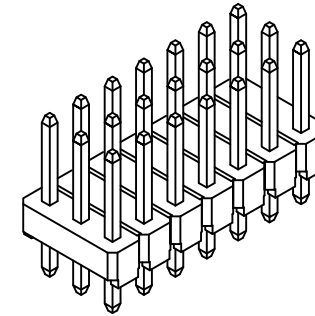
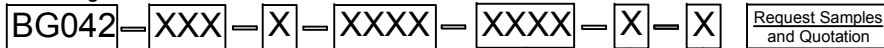


Recommended PCB Layout



Ordering Grid



No. of Contacts
06 to 120

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 C (1/100mm) (Post Height)
0600 = 6.00mm (Standard)
 Or specify custom Post Height
 eg 0250 = 2.50mm
 (Maximum 1500=15.00mm)
 (Minimum 0050=0.50mm)

Packing Options
G = Plastic Box (Standard)
 D = Tube
 E = Tube with Cap
 Insulator Material
N = Nylon 6T (Standard)
 P = PBT
 L = LCP

Dimension D (1/100mm) (Tail Length)
0300 = 3.00mm (Standard)
 Or specify custom Tail Length
 eg 0250 = 2.50mm
 (Maximum 1500=15.00mm)
 (Minimum 0050=0.50mm)

Specifications

Material
 Insulator:
 Standard: Polyamide, Nylon 6T, UL94V-0
 Options: Polymer, LCP, UL94V-0
 Polyester, PBT, UL94V-0
 Contact: Copper Alloy

Plating
 Contact: See ordering grid

Electrical
 Current Rating: 3 Amp Per Pin
 Contact Resistance: 20 mΩ max.
 Insulation Resistance : 1000 MΩ min.
 Dielectric Withstand Voltage: 600 V AC

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

Soldering Process
 Nylon 6T (Standard)
 IR Reflow: 260°C for 10 sec.
 Wave: 230°C for 5-10 sec
 Manual Solder : 350°C for 3-5 sec
 LCP (Option)
 IR Reflow: 260°C for 10 sec.
 Wave: 250°C for 5-10 sec.
 Manual Solder: 350°C for 3-5sec
 PBT (Option)
 Manual Solder: 330°C for 3-5sec
 (not suitable for hi-temp process)

Mates with (Subject to Pin Length)
 BG153 BG161

Number of Contacts	Dimensions	
	A	B
6	2.54	5.08
9	5.08	7.62
12	7.62	10.16
15	10.16	12.70
18	12.70	15.24
21	15.24	17.78
24	17.78	20.32
27	20.32	22.86
30	22.86	25.40
33	25.40	27.94
36	27.94	30.48
39	30.48	33.02
42	33.02	35.56
45	35.56	38.10
48	38.10	40.64
51	40.64	43.18
54	43.18	45.72
57	45.72	48.26
60	48.26	50.80
63	50.80	53.34
66	53.34	55.88
69	55.88	58.42
72	58.42	60.96
75	60.96	63.50
78	63.50	66.04
81	66.04	68.58
84	68.58	71.12
87	71.12	73.66
90	73.66	76.20
93	76.20	78.74
96	78.74	81.28
99	81.28	83.82
102	83.82	86.36
105	86.36	88.90
108	88.90	91.44
111	91.44	93.98
114	93.98	96.52
117	96.52	99.06
120	99.06	101.60

Part Number		Product Description	
BG042		2.54mm Pitch Pin Header, Triple Row, Through Hole, Vertical	
Drawing Date		2nd April 2007	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length X ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Metric (mm)
Revision	A1	Angle X° ± 5° X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°	3rd Angle Projection
Date	06/09/17		



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