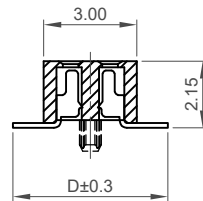
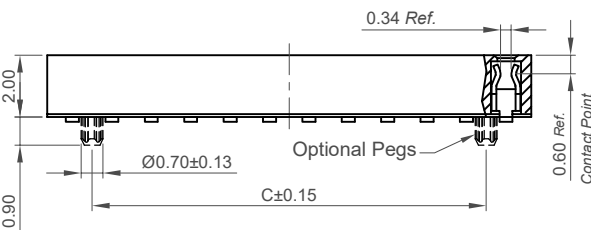


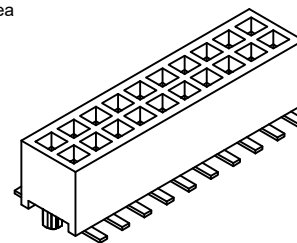
For Top Entry

For Bottom Entry



Recommended PCB Layouts

▨ Solder Area



Number of Contacts	Dimensions		
	A	B	C
4	1.27	2.78	/
6	2.54	4.05	1.27
8	3.81	5.32	2.54
10	5.08	6.59	3.81
12	6.35	7.86	5.08
14	7.62	9.13	6.35
16	8.89	10.40	7.62
18	10.16	11.67	8.89
20	11.43	12.94	10.16
22	12.70	14.21	11.43
24	13.97	15.48	12.70
26	15.24	16.75	13.97
28	16.51	18.02	15.24
30	17.78	19.29	16.51
32	19.05	20.56	17.78
34	20.32	21.83	19.05
36	21.59	23.10	20.32
38	22.86	24.37	21.59
40	24.13	25.64	22.86
42	25.40	26.91	24.13
44	26.67	28.18	25.40
46	27.94	29.45	26.67
48	29.21	30.72	27.94
50	30.48	31.99	29.21
52	31.75	33.26	30.48
54	33.02	34.53	31.75
56	34.29	35.80	33.02
58	35.56	37.07	34.29
60	36.83	38.34	35.56
62	38.10	39.61	36.83
64	39.37	40.88	38.10
66	40.64	42.15	39.37
68	41.91	43.42	40.64
70	43.18	44.69	41.91
72	44.45	45.96	43.18
74	45.72	47.23	44.45
76	46.99	48.50	45.72
78	48.26	49.77	46.99
80	49.53	51.04	48.26

Specifications

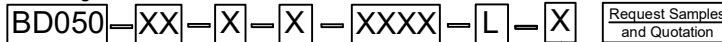
Material
 Insulator: Polymer, LCP, UL 94V-0
 Contact: Phosphor Bronze

Plating
 See Ordering Grid

Electrical
 Current Rating: 1Amp Per Pin
 Contact Resistance: 20 mΩ max.
 Insulation Resistance: 1000 MΩ min.
 Dielectric Withstand Voltage: 500V AC

Mechanical & Environmental
 Operating Temperature: -40°C to +125°C
 Soldering Process:
 IR Reflow: 260°C for 10 sec.
 Manual Solder: 350°C for 3-5 sec.

Ordering Grid



No. of Contacts

04 to 80

Contact Plating

A = Gold Flash All Over (Standard)

C = Tin All Over

Locating Peg

0 = Without

1 = With

Packing Options

B = Tape & Reel with Cap (Standard)

C = Tape & Reel with Film

D = Tube

E = Tube with Cap

F = Tube with Film

Insulator Material

L = LCP

Dimension D (1/100mm) (Footprint Width)

0500 = 5.00mm (Standard)

0450 = 4.50mm

Mates with (Subject to pin length)

BD025 BD030 BD035

BD038 BD040 BD095

For bottom entry applications, stringent soldering control & pin alignment are required as lead to pad misalignment could cause incorrect mating.

Part Number		Product Description	
BD050		1.27mm Pitch Socket	
Drawing Date		Dual Row, Surface Mount, Low Profile, Dual Entry	
28th December 2007			
By	MW	Tolerances (Except as Noted)	Units:
Detail	BD050 K PCN	Length: X ± 0.30 Angle: X.X ± 0.25	Metric (mm)
Revision	K1	X.XX ± 0.15	⊕ 3rd Angle Projection
Date	27/02/26	X.XXX ± 0.10	

Halogen Free

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