

PCB Sockets PCB Mount, 2.54mm Pitch

Product Specification:

Materials and Finish

Insulator: Glass-reinforce thermoplastic, UL-94V-0 rated, color-black

Contact: Phosphor bronze per QQ-B-750, plated full flash gold or selected gold in mating area; 100μ" min. tin-lead on termination area, with entire contact under-plated 50μ" min. nickel

Electrical

Contact Resistance: 20 milliohms max. at 1 ampere DC

Insulation Resistance: 5000 megohms at 500 VDC

Dielectric Withstanding Voltage: 500 VAC/rms 60Hz for one minute

Current Rating: 3 amperes per contact

Voltage Rating: 250 VAC/rms 60Hz

Mechanical

Insertion Depth: 2.0mm to 6.4mm

Insertion Force: 160 grams maximum per contact

Withdrawal Force: 40 grams minimum per contact

Contact Retention: 2.0 kgs min. per contact

Durability: See page 9

Related Product Data

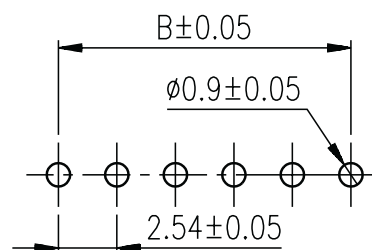
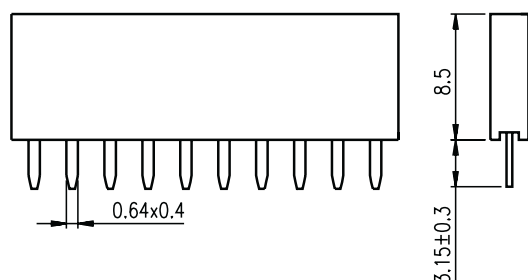
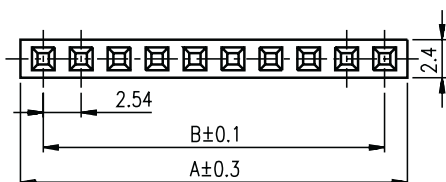
PC Board Layout:

Straight, single row: See page 47
Straight, dual rows: See page 48
Right angle, single row: See page 49
Right angle, dual rows: See page 50
Straight, Triple rows: See page 51

Ordering Information:

	<u>G808</u>	<u>X</u>	<u>XX</u>	<u>X</u>	<u>X</u>
PCB Sockets PCB Mount 2.54mm Pitch					
Mounting Style					
1: Straight, single row					
2: Straight, dual rows					
3: Right angle, single row					
4: Right angle, dual rows					
5: Straight, Triple rows					
No. of Positions Per Row					
02: 2 positions					
03: 3 positions					
04: 4 positions					
05: 5 positions					
:					
:					
38: 38 positions					
39: 39 positions					
40: 40 positions					
Contact Finish					
0: Full flash gold					
1: Flash gold					
2: 10μ" gold					
3: 30μ" gold					
4: Tin					
Variation Code					
Blank: Standard					

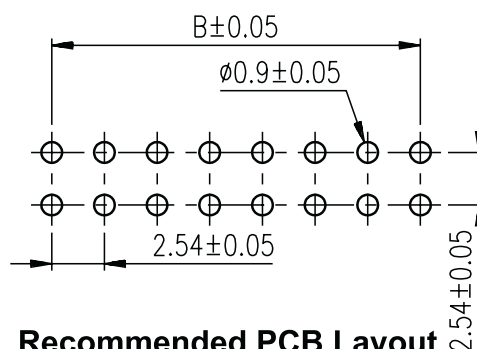
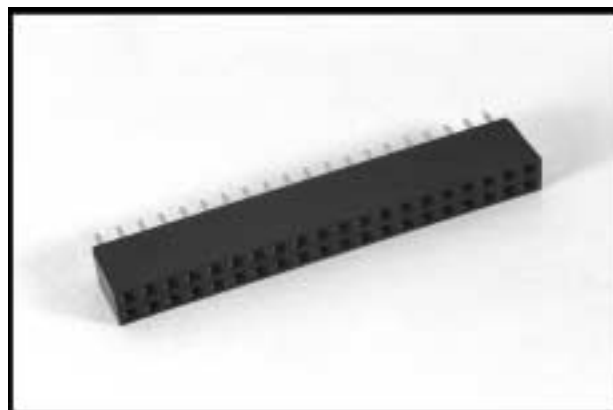
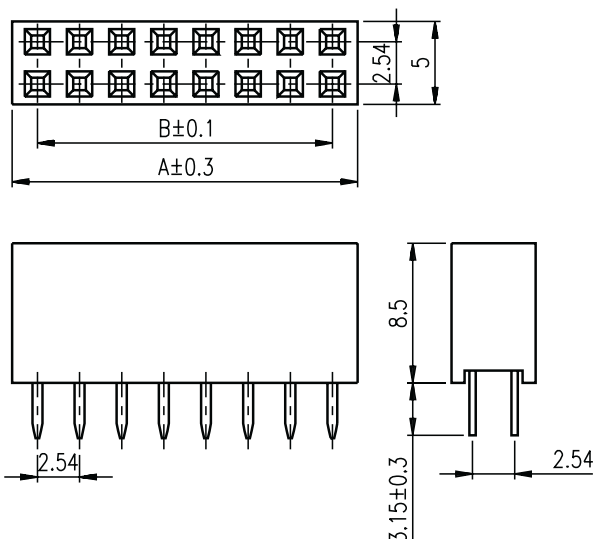
PCB Sockets Straight PCB Mount, Single Row 2.54mm Pitch



Recommended PCB Layout

No. of Positions	Dimensions (mm)		No. of Positions	Dimensions (mm)	
	A	B		A	B
2	5.58	2.54	22	56.38	53.34
3	8.12	5.08	23	58.92	55.88
4	10.66	7.62	24	61.46	58.42
5	13.2	10.16	25	64.0	60.96
6	15.74	12.70	26	66.54	63.50
7	18.28	15.24	27	69.08	66.04
8	20.82	17.78	28	71.62	68.58
9	23.36	20.32	29	74.16	71.12
10	25.90	22.86	30	76.70	73.66
11	28.44	25.40	31	79.24	76.20
12	30.98	27.94	32	81.78	78.74
13	33.52	30.48	33	84.32	81.28
14	36.06	33.02	34	86.86	83.82
15	38.60	35.56	35	89.40	86.36
16	41.14	38.10	36	91.94	88.90
17	43.68	40.64	37	94.48	91.44
18	46.22	43.18	38	97.02	93.98
19	48.76	45.72	39	99.56	96.52
20	51.30	48.26	40	102.10	99.06
21	53.84	50.80			

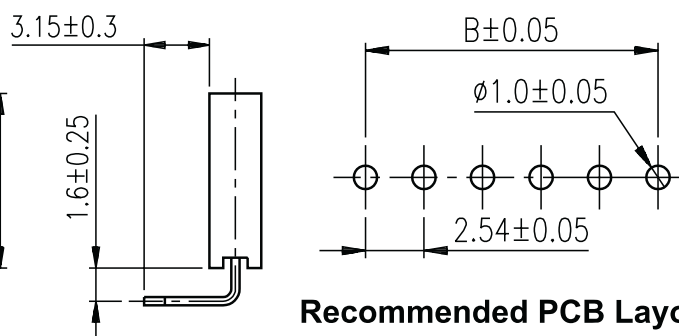
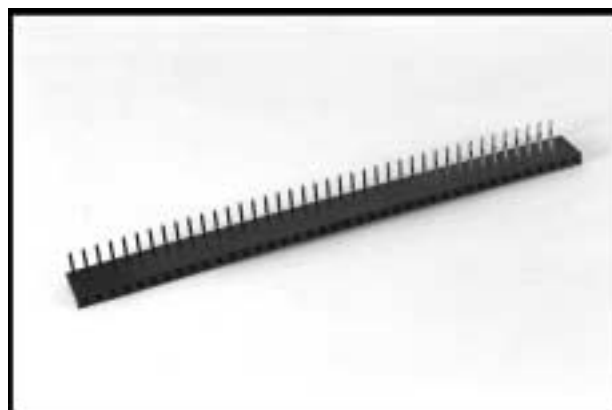
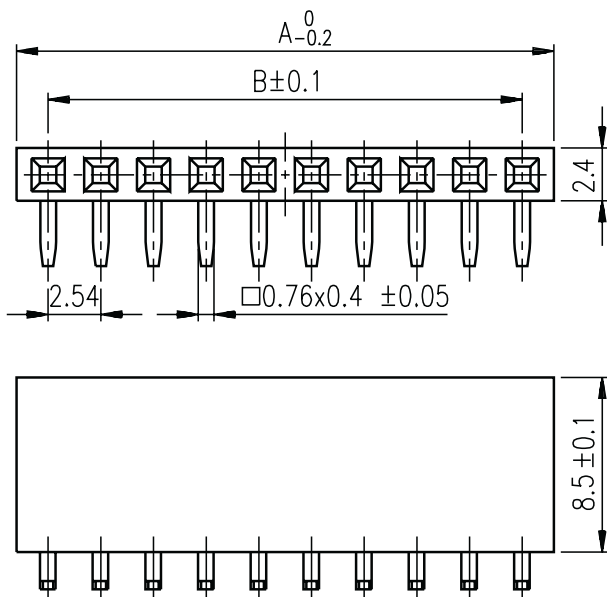
PCB Sockets Straight PCB Mount, Dual Rows 2.54mm Pitch



Recommended PCB Layout

No. of Positions	Dimensions (mm)		No. of Positions	Dimensions (mm)	
	A	B		A	B
4	5.58	2.54	44	56.38	53.34
6	8.12	5.08	46	58.92	55.88
8	10.66	7.62	48	61.46	58.42
10	13.2	10.16	50	64	60.96
12	15.74	12.70	52	66.54	63.50
14	18.28	15.24	54	69.08	66.04
16	20.82	17.78	56	71.62	68.58
18	23.36	20.32	58	74.16	71.12
20	25.90	22.86	60	76.70	73.66
22	28.44	25.40	62	79.24	76.20
24	30.98	27.94	64	81.78	78.74
26	33.52	30.48	66	84.32	81.28
28	36.06	33.02	68	86.86	83.82
30	38.60	35.56	70	89.40	86.36
32	41.14	38.10	72	91.94	88.90
34	43.68	40.64	74	94.48	91.44
36	46.22	43.18	76	97.02	93.98
38	48.76	45.72	78	99.56	96.52
40	51.30	48.26	80	102.10	99.06
42	53.84	50.80			

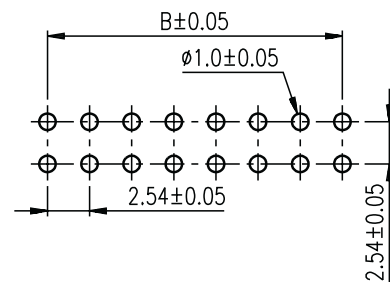
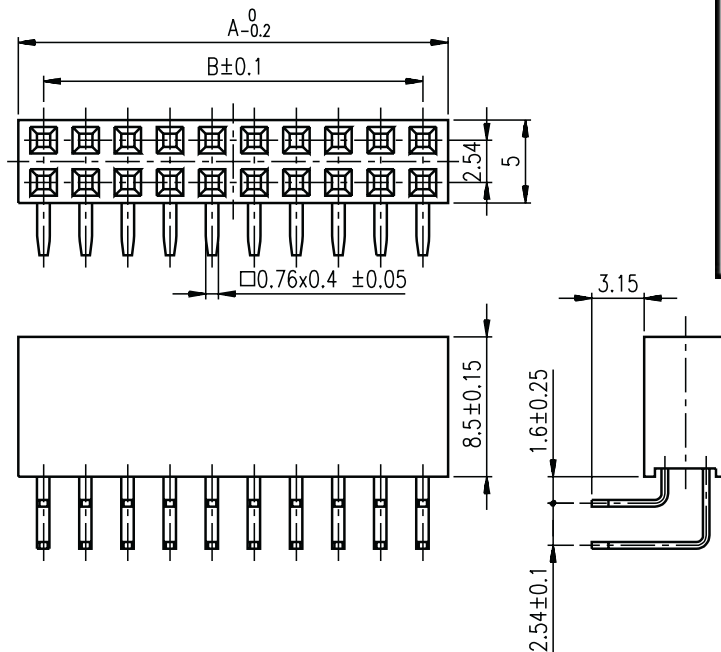
PCB Sockets R/A PCB Mount, Single Row, 2.54mm Pitch



Recommended PCB Layout

No. of Positions	Dimensions (mm)		No. of Positions	Dimensions (mm)	
	A	B		A	B
2	5.58	2.54	22	56.38	53.34
3	8.12	5.08	23	58.92	55.88
4	10.66	7.62	24	61.46	58.42
5	13.2	10.16	25	64	60.96
6	15.74	12.70	26	66.54	63.50
7	18.28	15.24	27	69.08	66.04
8	20.82	17.78	28	71.62	68.58
9	23.36	20.32	29	74.16	71.12
10	25.90	22.86	30	76.70	73.66
11	28.44	25.40	31	79.24	76.20
12	30.98	27.94	32	81.78	78.74
13	33.52	30.48	33	84.32	81.28
14	36.06	33.02	34	86.86	83.82
15	38.60	35.56	35	89.40	86.36
16	41.14	38.10	36	91.94	88.90
17	43.68	40.64	37	94.48	91.44
18	46.22	43.18	38	97.02	93.98
19	48.76	45.72	39	99.56	96.52
20	51.30	48.26	40	102.10	99.06
21	53.84	50.80			

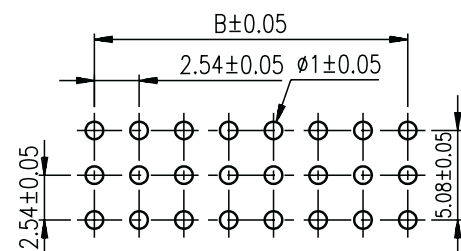
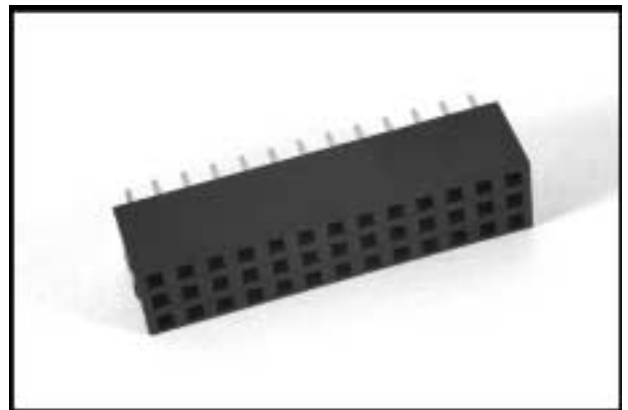
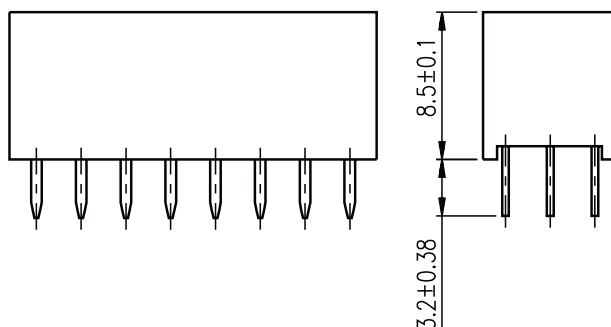
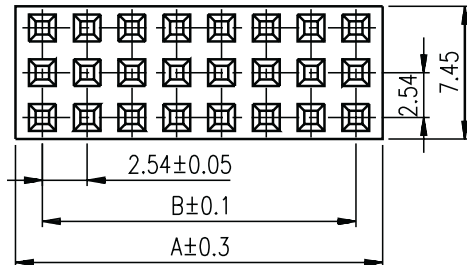
PCB Sockets R/A PCB Mount, Dual Rows 2.54mm Pitch



Recommended PCB Layout

No. of Positions	Dimensions (mm)		No. of Positions	Dimensions (mm)	
	A	B		A	B
4	5.58	2.54	44	56.38	53.34
6	8.12	5.08	46	58.92	55.88
8	10.66	7.62	48	61.46	58.42
10	13.2	10.16	50	64	60.96
12	15.74	12.70	52	66.54	63.50
14	18.28	15.24	54	69.08	66.04
16	20.82	17.78	56	71.62	68.58
18	23.36	20.32	58	74.16	71.12
20	25.90	22.86	60	76.70	73.66
22	28.44	25.40	62	79.24	76.20
24	30.98	27.94	64	81.78	78.74
26	33.52	30.48	66	84.32	81.28
28	36.06	33.02	68	86.86	83.82
30	38.60	35.56	70	89.40	86.36
32	41.14	38.10	72	91.94	88.90
34	43.68	40.64	74	94.48	91.44
36	46.22	43.18	76	97.02	93.98
38	48.76	45.72	78	99.56	96.52
40	51.30	48.26	80	102.10	99.06
42	53.84	50.80			

PCB Sockets Straight PCB Mount, Triple Rows 2.54mm Pitch



Recommended PCB Layout

No. of Positions	Dimensions (mm)		No. of Positions	Dimensions (mm)	
	A	B		A	B
6	5.58	2.54	66	56.38	53.34
9	8.12	5.08	69	58.92	55.88
12	10.66	7.62	72	61.46	58.42
15	13.2	10.16	75	64	60.96
18	15.74	12.70	78	66.54	63.50
21	18.28	15.24	81	69.08	66.04
24	20.82	17.78	84	71.62	68.58
27	23.36	20.32	87	74.16	71.12
30	25.90	22.86	90	76.70	73.66
33	28.44	25.40	93	79.24	76.20
36	30.98	27.94	96	81.78	78.74
39	33.52	30.48	99	84.32	81.28
42	36.06	33.02	102	86.86	83.82
45	38.60	35.56	105	89.40	86.36
48	41.14	38.10	108	91.94	88.90
51	43.68	40.64	111	94.48	91.44
54	46.22	43.18	114	97.02	93.98
57	48.76	45.72	117	99.56	96.52
60	51.30	48.26	120	102.10	99.06
63	53.84	50.80			