

Standard Headers—Unshrouded, Single Row, .100 [2.54] Centerline

.025 [0.64] Square Straight Post



Material and Finish

Housing — Black thermoplastic, 94V-0 rated

Posts — Copper alloy, plated as follows:

Plating A — Selectively plated .000030 [0.00076] gold on contact area, with gold flash over .000050 [0.00127] nickel on entire post

Plating B — Selectively plated .000015 [0.00038] gold on contact area, with gold flash over .000050 [0.00127] nickel on entire post

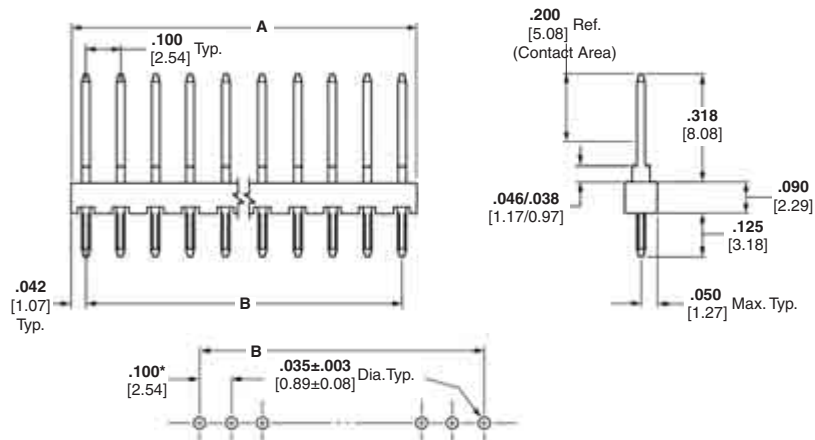
Tin/Nickel — Plating option available; minimum order quantities may apply. Consult Tyco Electronics.

Related Product Data

Mateable Connectors — Refer to the Mating Post Selection Guide — page 90

Technical Documents — page 276

See mating connector for applicable product and application specifications.



Recommended PC Board Hole Layout (for .055 [1.40] min. thick PC board)

*±.003 [±0.08] tolerances not to accumulate within one connector pattern.

No. of Pos.	Dimensions		Post Plating/Part Nos.	
	A	B	Plating A	Plating B
1	.084 [2.13]	—	87220-1	87224-1
2	.184 [4.67]	.100 [2.54]	87220-2	87224-2
3	.284 [7.21]	.200 [5.08]	87220-3	87224-3
4	.384 [9.75]	.300 [7.62]	87220-4	87224-4
5	.484 [12.29]	.400 [10.16]	87220-5	87224-5
6	.584 [14.83]	.500 [12.70]	87220-6	87224-6
7	.684 [17.37]	.600 [15.24]	87220-7	87224-7
8	.784 [19.91]	.700 [17.78]	87220-8	87224-8
9	.884 [22.45]	.800 [20.32]	87220-9	87224-9
10	.984 [24.99]	.900 [22.86]	1-87220-0	1-87224-0
11	1.084 [27.53]	1.000 [25.40]	1-87220-1	1-87224-1
12	1.184 [30.07]	1.100 [27.94]	1-87220-2	1-87224-2
13	1.284 [32.61]	1.200 [30.48]	1-87220-3	1-87224-3
14	1.384 [35.15]	1.300 [33.02]	1-87220-4	1-87224-4
15	1.484 [37.69]	1.400 [35.56]	1-87220-5	1-87224-5
16	1.584 [40.23]	1.500 [38.10]	1-87220-6	1-87224-6
17	1.684 [42.77]	1.600 [40.64]	1-87220-7	1-87224-7
18	1.784 [45.31]	1.700 [43.18]	1-87220-8	1-87224-8
19	1.884 [47.85]	1.800 [45.72]	1-87220-9	1-87224-9
20	1.984 [50.39]	1.900 [48.26]	2-87220-0	2-87224-0
21	2.084 [52.93]	2.000 [50.80]	2-87220-1	2-87224-1
22	2.184 [55.47]	2.100 [53.34]	2-87220-2	2-87224-2
23	2.284 [58.01]	2.200 [55.88]	2-87220-3	2-87224-3
24	2.384 [60.55]	2.300 [58.42]	2-87220-4	2-87224-4
25	2.484 [63.09]	2.400 [60.96]	2-87220-5	2-87224-5
26	2.584 [65.63]	2.500 [63.50]	2-87220-6	2-87224-6
27	2.684 [68.17]	2.600 [66.04]	2-87220-7	2-87224-7
28	2.784 [70.71]	2.700 [68.58]	2-87220-8	2-87224-8
29	2.884 [73.25]	2.800 [71.12]	2-87220-9	2-87224-9
30	2.984 [75.79]	2.900 [73.66]	3-87220-0	3-87224-0
31	3.084 [78.33]	3.000 [76.20]	3-87220-1	3-87224-1
32	3.184 [80.87]	3.100 [78.74]	3-87220-2	3-87224-2
33	3.284 [83.41]	3.200 [81.28]	3-87220-3	3-87224-3
34	3.384 [85.95]	3.300 [83.82]	3-87220-4	3-87224-4
35	3.484 [88.49]	3.400 [86.36]	3-87220-5	3-87224-5
36	3.584 [91.03]	3.500 [88.90]	3-87220-6	3-87224-6
37	3.684 [93.57]	3.600 [91.44]	3-87220-7	3-87224-7
38	3.784 [96.11]	3.700 [93.98]	3-87220-8	3-87224-8
39	3.884 [98.65]	3.800 [96.52]	3-87220-9	3-87224-9
40	3.984 [101.19]	3.900 [99.06]	4-87220-0	4-87224-0

Note: All part numbers are RoHS compliant.

Standard Headers—Unshrouded, Single Row, .100 [2.54] Centerline (Continued)

.025 [0.64] Square Right-Angle Post



Material and Finish

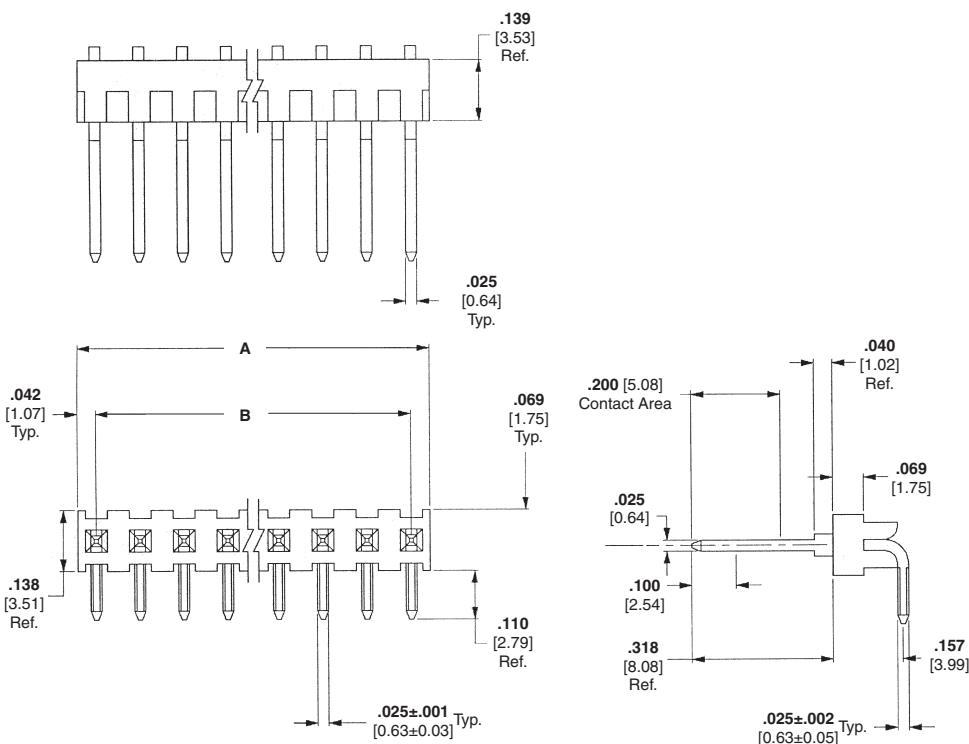
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No. of Pos.	Dimensions		Post Plating/Part Nos.	
	A	B	Plating A	Plating B
1	.084 [2.13]	—	87232-1	87233-1
2	.184 [4.67]	.100 [2.54]	87232-2	87233-2
3	.284 [7.21]	.200 [5.08]	87232-3	87233-3
4	.384 [9.75]	.300 [7.62]	87232-4	87233-4
5	.484 [12.29]	.400 [10.16]	87232-5	87233-5
6	.584 [14.83]	.500 [12.70]	87232-6	87233-6
7	.684 [17.37]	.600 [15.24]	87232-7	87233-7
8	.784 [19.91]	.700 [17.78]	87232-8	87233-8
9	.884 [22.45]	.800 [20.32]	87232-9	87233-9
10	.984 [24.99]	.900 [22.86]	1-87232-0	1-87233-0
11	1.084 [27.53]	1.000 [25.40]	1-87232-1	1-87233-1
12	1.184 [30.07]	1.100 [27.94]	1-87232-2	1-87233-2
13	1.284 [32.61]	1.200 [30.48]	1-87232-3	1-87233-3
14	1.384 [35.15]	1.300 [33.02]	1-87232-4	1-87233-4
15	1.484 [37.69]	1.400 [35.56]	1-87232-5	1-87233-5
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17	1.684 [42.77]	1.600 [40.64]	1-87232-7	1-87233-7
18	1.784 [45.31]	1.700 [43.18]	1-87232-8	1-87233-8
19	1.884 [47.85]	1.800 [45.72]	1-87232-9	1-87233-9
20	1.984 [50.39]	1.900 [48.26]	2-87232-0	2-87233-0

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Standard Headers—Unshrouded, Single Row, .100 [2.54] Centerline (Continued)

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21	2.084 [52.93]	2.000 [50.80]	2-87232-1	2-87233-1
22	2.184 [55.47]	2.100 [53.34]	2-87232-2	2-87233-2
23	2.284 [58.01]	2.200 [55.88]	2-87232-3	2-87233-3
24	2.384 [60.55]	2.300 [58.42]	2-87232-4	2-87233-4
25	2.484 [63.09]	2.400 [60.96]	2-87232-5	2-87233-5
26	2.584 [65.63]	2.500 [63.50]	2-87232-6	2-87233-6
27	2.684 [68.17]	2.600 [66.04]	2-87232-7	2-87233-7
28	2.784 [70.71]	2.700 [68.58]	2-87232-8	2-87233-8
29	2.884 [73.25]	2.800 [71.12]	2-87232-9	2-87233-9
30	2.984 [75.79]	2.900 [73.66]	3-87232-0	3-87233-0
31	3.084 [78.33]	3.000 [76.20]	3-87232-1	3-87233-1
32	3.184 [80.87]	3.100 [78.74]	3-87232-2	3-87233-2
33	3.284 [83.41]	3.200 [81.28]	3-87232-3	3-87233-3
34	3.385 [85.95]	3.300 [83.82]	3-87232-4	3-87233-4
35	3.484 [88.49]	3.400 [86.36]	3-87232-5	3-87233-5
36	3.584 [91.03]	3.500 [88.90]	3-87232-6	3-87233-6
37	3.684 [93.57]	3.600 [91.44]	3-87232-7	3-87233-7
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40	3.984 [101.19]	3.900 [99.06]	4-87232-0	4-87233-0

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