

Standard Headers—Unshrouded, Double-Row, .100 x .100 [2.54 x 2.54] Centerline

.025 [0.64] Square Straight Post



Material and Finish

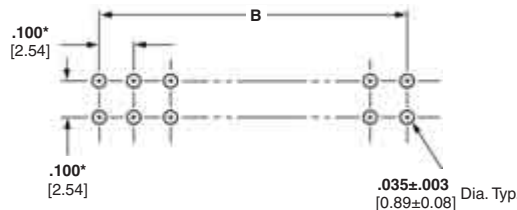
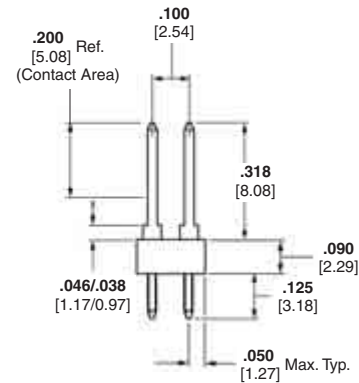
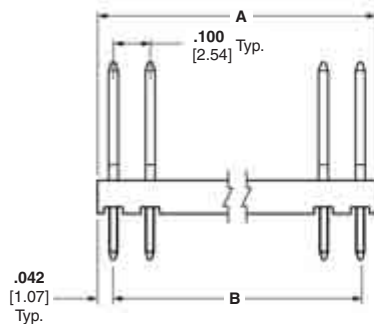
Housing — Black thermoplastic, 94V-0 rated

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.



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

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

Related Product Data

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

Accessories

Barrier Insert — page 204

Technical Documents — page 276

See mating connector for applicable product and application specifications.

No. of Pos.	Dimensions		Post Plating/Part Nos.	
	A	B	Plating A	Plating B
2	.084 [2.13]	—	1-87215-0	87227-1
4	.184 [4.67]	.100 [2.54]	1-87215-1	87227-2
6	.284 [7.21]	.200 [5.08]	1-87215-2	87227-3
8	.384 [9.75]	.300 [7.62]	87215-1	87227-4
10	.484 [12.29]	.400 [10.16]	87215-2	87227-5
12	.584 [14.83]	.500 [12.70]	87215-3	87227-6
14	.684 [17.37]	.600 [15.24]	87215-4	87227-7
16	.784 [19.91]	.700 [17.78]	87215-5	87227-8
18	.884 [22.45]	.800 [20.32]	87215-6	87227-9
20	.984 [24.99]	.900 [22.86]	87215-7	1-87227-0
22	1.084 [27.53]	1.000 [25.40]	1-87215-3	1-87227-1
24	1.184 [30.07]	1.100 [27.94]	87215-8	1-87227-2
26	1.284 [32.61]	1.200 [30.48]	87215-9	1-87227-3
28	1.384 [35.15]	1.300 [33.02]	1-87215-4	1-87227-4
30	1.484 [37.69]	1.400 [35.56]	1-87215-5	1-87227-5
32	1.584 [40.23]	1.500 [38.10]	1-87215-6	1-87227-6
34	1.684 [42.77]	1.600 [40.64]	1-87215-7	1-87227-7
36	1.784 [45.31]	1.700 [43.18]	1-87215-8	1-87227-8
38	1.884 [47.85]	1.800 [45.72]	1-87215-9	1-87227-9
40	1.984 [50.39]	1.900 [48.26]	2-87215-0	2-87227-0

Note: All part numbers are RoHS compliant.

**Standard Headers—Unshrouded, Double-Row,
.100 x .100 [2.54 x 2.54] Centerline** (Continued)

No. of Pos.	Dimensions		Post Plating/Part Nos.	
	A	B	Plating A	Plating B
42	2.084 [52.93]	2.000 [50.80]	2-87215-1	2-87227-1
44	2.184 [55.47]	2.100 [53.34]	2-87215-2	2-87227-2
46	2.284 [58.01]	2.200 [55.88]	2-87215-3	2-87227-3
48	2.384 [60.55]	2.300 [58.42]	2-87215-4	2-87227-4
50	2.484 [63.09]	2.400 [60.96]	2-87215-5	2-87227-5
52	2.584 [65.63]	2.500 [63.50]	2-87215-6	2-87227-6
54	2.684 [68.17]	2.600 [66.04]	2-87215-7	2-87227-7
56	2.784 [70.71]	2.700 [68.58]	2-87215-8	2-87227-8
58	2.884 [73.25]	2.800 [71.12]	2-87215-9	2-87227-9
60	2.984 [75.79]	2.900 [73.66]	3-87215-0	3-87227-0
62	3.084 [78.33]	3.000 [76.20]	3-87215-1	3-87227-1
64	3.184 [80.87]	3.100 [78.74]	3-87215-2	3-87227-2
66	3.284 [83.41]	3.200 [81.28]	3-87215-3	3-87227-3
68	3.384 [85.95]	3.300 [83.82]	3-87215-4	3-87227-4
70	3.484 [88.49]	3.400 [86.36]	3-87215-5	3-87227-5
72	3.584 [91.03]	3.500 [88.90]	3-87215-6	3-87227-6
74	3.684 [93.57]	3.600 [91.44]	3-87215-7	3-87227-7
76	3.784 [96.11]	3.700 [93.98]	3-87215-8	3-87227-8
78	3.884 [98.65]	3.800 [96.52]	3-87215-9	3-87227-9
80	3.984 [101.19]	3.900 [99.06]	4-87215-0	4-87227-0

Note: All part numbers are RoHS compliant.

Standard Headers—Unshrouded, Double-Row, .100 x .100 [2.54 x 2.54] Centerline (Continued)

.025 [0.64] Square Right-Angle Post



Material and Finish

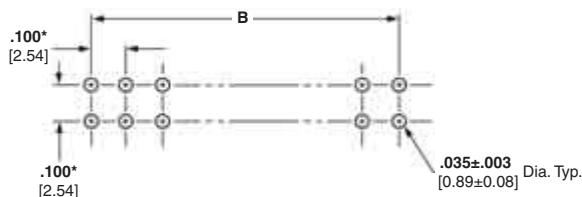
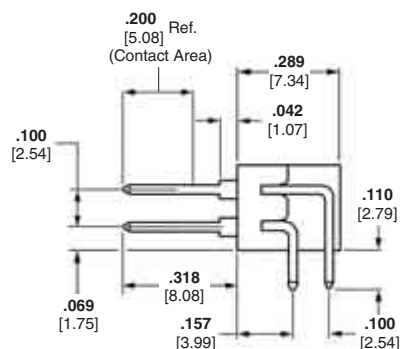
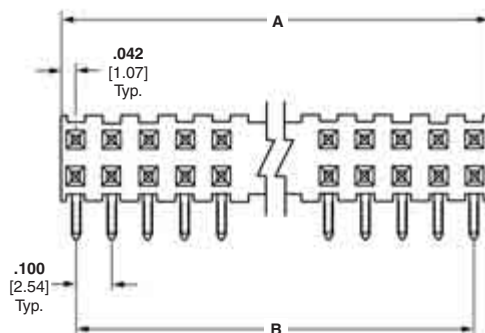
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Related Product Data

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

Technical Documents — page 276

See mating connector for applicable product and application specifications.

No. of Pos.	Dimensions		Post Plating/Part Nos.	
	A	B	Plating A	Plating B
2	.084 [2.13]	—	1-86479-3	87230-1
4	.184 [4.67]	.100 [2.54]	1-86479-4	87230-2
6	.284 [7.21]	.200 [5.08]	1-86479-5	87230-3
8	.384 [9.75]	.300 [7.62]	1-86479-6	87230-4
10	.484 [12.29]	.400 [10.16]	86479-3	87230-5
12	.584 [14.83]	.500 [12.70]	86479-4	87230-6
14	.684 [17.37]	.600 [15.24]	86479-5	87230-7
16	.784 [19.91]	.700 [17.78]	86479-2	87230-8
18	.884 [22.45]	.800 [20.32]	86479-6	87230-9
20	.984 [24.99]	.900 [22.86]	86479-1	1-87230-0
22	1.084 [27.53]	1.000 [25.40]	1-86479-7	1-87230-1
24	1.184 [30.07]	1.100 [27.94]	86479-7	1-87230-2
26	1.284 [32.61]	1.200 [30.48]	1-86479-0	1-87230-3
28	1.384 [35.15]	1.300 [33.02]	1-86479-8	1-87230-4
30	1.484 [37.69]	1.400 [35.56]	1-86479-9	1-87230-5
32	1.584 [40.23]	1.500 [38.10]	2-86479-0	1-87230-6
34	1.684 [42.77]	1.600 [40.64]	2-86479-1	1-87230-7
36	1.784 [45.31]	1.700 [43.18]	2-86479-2	1-87230-8
38	1.884 [47.85]	1.800 [45.72]	2-86479-3	1-87230-9
40	1.984 [50.39]	1.900 [48.26]	2-86479-4	2-87230-0

Note: All part numbers are RoHS compliant.

**Standard Headers—Unshrouded, Double-Row,
.100 x .100 [2.54 x 2.54] Centerline** (Continued)

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44	2.184 [55.47]	2.100 [53.34]	2-86479-6	2-87230-2
46	2.284 [58.01]	2.200 [55.88]	2-86479-7	2-87230-3
48	2.384 [60.55]	2.300 [58.42]	2-86479-8	2-87230-4
50	2.484 [63.09]	2.400 [60.96]	2-86479-9	2-87230-5
52	2.584 [65.63]	2.500 [63.50]	3-86479-0	2-87230-6
54	2.684 [68.17]	2.600 [66.04]	3-86479-1	2-87230-7
56	2.784 [70.71]	2.700 [68.58]	3-86479-2	2-87230-8
58	2.884 [73.25]	2.800 [71.12]	3-86479-3	2-87230-9
60	2.984 [75.79]	2.900 [73.66]	3-86479-4	3-87230-0
62	3.084 [78.33]	3.000 [76.20]	3-86479-5	3-87230-1
64	3.184 [80.87]	3.100 [78.74]	3-86479-6	3-87230-2
66	3.284 [83.41]	3.200 [81.28]	3-86479-7	3-87230-3
68	3.384 [85.95]	3.300 [83.82]	3-86479-8	3-87230-4
70	3.484 [88.49]	3.400 [86.36]	3-86479-9	3-87230-5
72	3.584 [91.03]	3.500 [88.90]	4-86479-0	3-87230-6
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76	3.784 [96.11]	3.700 [93.98]	4-86479-2	3-87230-8
78	3.884 [98.65]	3.800 [96.52]	4-86479-3	3-87230-9
80	3.984 [101.19]	3.900 [99.06]	4-86479-4	4-87230-0

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