

**Breakaway Headers—Unshrouded, Double-Row,
.100 x .100 [2.54 x 2.54] Centers**

**.025 [0.64] Square
Straight-Angle Post**



Material and Finish:

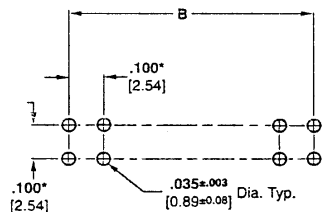
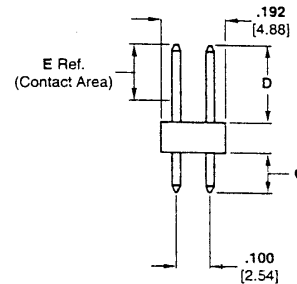
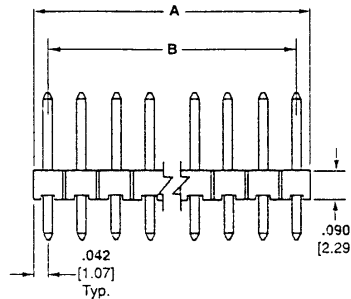
Housing—Black thermoplastic, 94V-0 rated

Posts—Phosphor bronze, plated as follows:

Plating A—Duplex plated .000030 [0.00076] gold on contact area, .000100-.000200 [0.00254-0.00508] tin-lead on solder area, with entire post underplated .000050 [0.00127] nickel

Plating B—Duplex plated .000015 [0.00038] gold on contact area, .000100-.000200 [0.00254-0.00508] tin-lead on solder area, with entire post underplated .000050 [0.00127] nickel

Plating C—.000100-.000200 [0.00254-0.00508] tin-lead over .000050 [0.00127] nickel on entire post



Recommended PC Board Hole Layout

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

Related Product Data:

Mateable Connectors—Refer to the Mating Post Selection Guide (Page 6 or 218)

Accessories:

Barrier Insert—Page 105

Technical Documents:

Page 213

No. of Pos.	Dimensions		C = .090 [2.29] D = .230 [5.84] E = .185 [4.70]			C = .120 [3.05] D = .230 [5.84] E = .185 [4.70]			C = .125 [3.18] D = .318 [8.08] E = .200 [5.08]		
	A	B	Post Plating/Part Nos.		Post Plating/Part Nos.			Post Plating/Part Nos.			
			Plating A	Plating C	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	
2	.084 2.13	—	103783-1	103777-1	103240-1	103186-1	103328-1	102977-1	102973-1	103322-1	
4	.184 4.67	.100 2.54	103783-2	103777-2	103240-2	103186-2	103328-2	102977-2	102973-2	103322-2	
6	.284 7.21	.200 5.08	103783-3	103777-3	103240-3	103186-3	103328-3	102977-3	102973-3	103322-3	
8	.384 9.75	.300 7.62	103783-4	103777-4	103240-4	103186-4	103328-4	102977-4	102973-4	103322-4	
10	.484 12.29	.400 10.16	103783-5	103777-5	103240-5	103186-5	103328-5	102977-5	102973-5	103322-5	
12	.584 14.83	.500 12.70	103783-6	103777-6	103240-6	103186-6	103328-6	102977-6	102973-6	103322-6	
14	.684 17.37	.600 15.24	103783-7	103777-7	103240-7	103186-7	103328-7	102977-7	102973-7	103322-7	
16	.784 19.91	.700 17.78	103783-8	103777-8	103240-8	103186-8	103328-8	102977-8	102973-8	103322-8	
18	.884 22.45	.800 20.32	103783-9	103777-9	103240-9	103186-9	103328-9	102977-9	102973-9	103322-9	
20	.984 24.99	.900 22.86	1-103783-0	1-103777-0	1-103240-0	1-103186-0	1-103328-0	1-102977-0	1-102973-0	1-103322-0	

Notes: 1. Headers may be broken to desired number of positions using **Hand Tool No. 91406-1**, or **Tool Kit No. 314818-1** (not shown).
2. Other tail lengths are available, consult AMP Incorporated.

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

No. of Pos.	Dimensions		C = .090 [2.29] D = .230 [5.84] E = .185 [4.70]		C = .120 [3.05] D = .230 [5.84] E = .185 [4.70]			C = .125 [3.18] D = .318 [8.08] E = .200 [5.08]		
	A	B	Post Plating/Part Nos.		Post Plating/Part Nos.			Post Plating/Part Nos.		
			Plating A	Plating C	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C
22	1.084 27.53	1.000 25.40	1-103783-1	1-103777-1	1-103240-1	1-103186-1	1-103328-1	1-102977-1	1-102973-1	1-103322-1
24	1.184 30.07	1.100 27.94	1-103783-2	1-103777-2	1-103240-2	1-103186-2	1-103328-2	1-102977-2	1-102973-2	1-103322-2
26	1.284 32.61	1.200 30.48	1-103783-3	1-103777-3	1-103240-3	1-103186-3	1-103328-3	1-102977-3	1-102973-3	1-103322-3
28	1.384 35.15	1.300 33.02	1-103783-4	1-103777-4	1-103240-4	1-103186-4	1-103328-4	1-102977-4	1-102973-4	1-103322-4
30	1.484 37.69	1.400 35.56	1-103783-5	1-103777-5	1-103240-5	1-103186-5	1-103328-5	1-102977-5	1-102973-5	1-103322-5
32	1.584 40.23	1.500 38.10	1-103783-6	1-103777-6	1-103240-6	1-103186-6	1-103328-6	1-102977-6	1-102973-6	1-103322-6
34	1.684 42.77	1.600 40.64	1-103783-7	1-103777-7	1-103240-7	1-103186-7	1-103328-7	1-102977-7	1-102973-7	1-103322-7
36	1.784 45.31	1.700 43.18	1-103783-8	1-103777-8	1-103240-8	1-103186-8	1-103328-8	1-102977-8	1-102973-8	1-103322-8
38	1.884 47.85	1.800 45.72	1-103783-9	1-103777-9	1-103240-9	1-103186-9	1-103328-9	1-102977-9	1-102973-9	1-103322-9
40	1.984 50.39	1.900 48.26	2-103783-0	2-103777-0	2-103240-0	2-103186-0	2-103328-0	2-102977-0	2-102973-0	2-103322-0
42	2.084 52.93	2.000 50.80	2-103783-1	2-103777-1	2-103240-1	2-103186-1	2-103328-1	2-102977-1	2-102973-1	2-103322-1
44	2.184 55.47	2.100 53.34	2-103783-2	2-103777-2	2-103240-2	2-103186-2	2-103328-2	2-102977-2	2-102973-2	2-103322-2
46	2.284 58.01	2.200 55.88	2-103783-3	2-103777-3	2-103240-3	2-103186-3	2-103328-3	2-102977-3	2-102973-3	2-103322-3
48	2.384 60.55	2.300 58.42	2-103783-4	2-103777-4	2-103240-4	2-103186-4	2-103328-4	2-102977-4	2-102973-4	2-103322-4
50	2.484 63.09	2.400 60.96	2-103783-5	2-103777-5	2-103240-5	2-103186-5	2-103328-5	2-102977-5	2-102973-5	2-103322-5
52	2.584 65.63	2.500 63.50	2-103783-6	2-103777-6	2-103240-6	2-103186-6	2-103328-6	2-102977-6	2-102973-6	2-103322-6
54	2.684 68.17	2.600 66.04	2-103783-7	2-103777-7	2-103240-7	2-103186-7	2-103328-7	2-102977-7	2-102973-7	2-103322-7
56	2.784 70.71	2.700 68.58	2-103783-8	2-103777-8	2-103240-8	2-103186-8	2-103328-8	2-102977-8	2-102973-8	2-103322-8
58	2.884 73.25	2.800 71.12	2-103783-9	2-103777-9	2-103240-9	2-103186-9	2-103328-9	2-102977-9	2-102973-9	2-103322-9
60	2.984 75.79	2.900 73.66	3-103783-0	3-103777-0	3-103240-0	3-103186-0	3-103328-0	3-102977-0	3-102973-0	3-103322-0
62	3.084 78.33	3.000 76.20	3-103783-1	3-103777-1	3-103240-1	3-103186-1	3-103328-1	3-102977-1	3-102973-1	3-103322-1
64	3.184 80.87	3.100 78.74	3-103783-2	3-103777-2	3-103240-2	3-103186-2	3-103328-2	3-102977-2	3-102973-2	3-103322-2
66	3.284 83.41	3.200 81.28	3-103783-3	3-103777-3	3-103240-3	3-103186-3	3-103328-3	3-102977-3	3-102973-3	3-103322-3
68	3.384 85.95	3.300 83.82	3-103783-4	3-103777-4	3-103240-4	3-103186-4	3-103328-4	3-102977-4	3-102973-4	3-103322-4
70	3.484 88.49	3.400 86.36	3-103783-5	3-103777-5	3-103240-5	3-103186-5	3-103328-5	3-102977-5	3-102973-5	3-103322-5
72	3.584 91.03	3.500 88.90	3-103783-6	3-103777-6	3-103240-6	3-103186-6	3-103328-6	3-102977-6	3-102973-6	3-103322-6 * 973-130
74	3.684 93.57	3.600 91.44	3-103783-7	3-103777-7	3-103240-7	3-103186-7	3-103328-7	3-102977-7	3-102973-7	3-103322-7
76	3.784 96.11	3.700 93.98	3-103783-8	3-103777-8	3-103240-8	3-103186-8	3-103328-8	3-102977-8	3-102973-8	3-103322-8
78	3.884 98.65	3.800 96.52	3-103783-9	3-103777-9	3-103240-9	3-103186-9	3-103328-9	3-102977-9	3-102973-9	3-103322-9
80	3.984 101.19	3.900 99.06	4-103783-0	4-103777-0	4-103240-0	4-103186-0	4-103328-0	4-102977-0	4-102973-0	4-103322-0

Notes: 1. Headers may be broken to desired number of positions using Hand Tool No. 91406-1, or Tool Kit No. 314818-1 (not shown).
2. Other tail lengths are available, consult AMP Incorporated.



Hand Tool No. 91406-1

Dimensions are shown for reference purposes only.

Dimensions are in inches and millimeters unless specified otherwise. Values in brackets are metric equivalents. Chart dimensions are in inches over millimeters.

For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Product Information Center: 1-800-522-6752.

Specifications subject to change. Consult AMP Incorporated for latest specifications.

Unshrouded