

Electronics

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

.025 [0.64] Square Straight Post (with Board Retention Feature)



Photo 98184-8

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

Performance Characteristics:

Insertion Force—12 lb. [53.4N] maximum

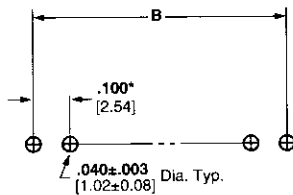
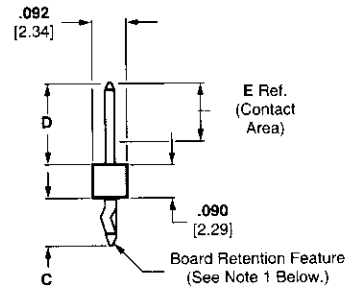
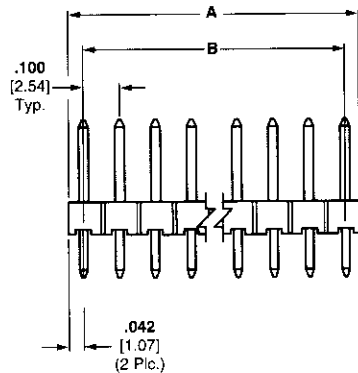
Retention Force—25 lb. [1.11N] minimum

Related Product Data:

Mateable Connectors—Refer to the Mating Post Selection Guide (page 89)

Technical Documents (page 294):

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		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.		
			Plating A	Plating B	Plating C	Plating A	Plating B	Plating C
3	.284 [7.21]	.200 [5.08]	104344-1	104345-1	104346-1	104426-1	104427-1	104428-1
4	.384 [9.75]	.300 [7.62]	104344-2	104345-2	104346-2	104426-2	104427-2	104428-2
5	.484 [12.29]	.400 [10.16]	104344-3	104345-3	104346-3	104426-3	104427-3	104428-3
6	.584 [14.82]	.500 [12.70]	104344-4	104345-4	104346-4	104426-4	104427-4	104428-4
7	.684 [17.37]	.600 [15.24]	104344-5	104345-5	104346-5	104426-5	104427-5	104428-5
8	.784 [19.91]	.700 [17.78]	104344-6	104345-6	104346-6	104426-6	104427-6	104428-6
9	.884 [22.45]	.800 [20.32]	104344-7	104345-7	104346-7	104426-7	104427-7	104428-7
10	.984 [24.99]	.900 [22.86]	104344-8	104345-8	104346-8	104426-8	104427-8	104428-8
11	1.084 [27.53]	1.000 [25.40]	104344-9	104345-9	104346-9	104426-9	104427-9	104428-9
12	1.184 [30.07]	1.100 [27.94]	1-104344-0	1-104345-0	1-104346-0	1-104426-0	1-104427-0	1-104428-0

Notes: 1. Refer to the product drawing to determine the number and location of the board retention tails.
2. Other tail lengths are available, consult Tyco Electronics.