

**Breakaway Retention Headers—Unshrouded, Double Row,
.100 x .100 [2.54 x 2.54] Centerline**

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



Photo 98185-7

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:

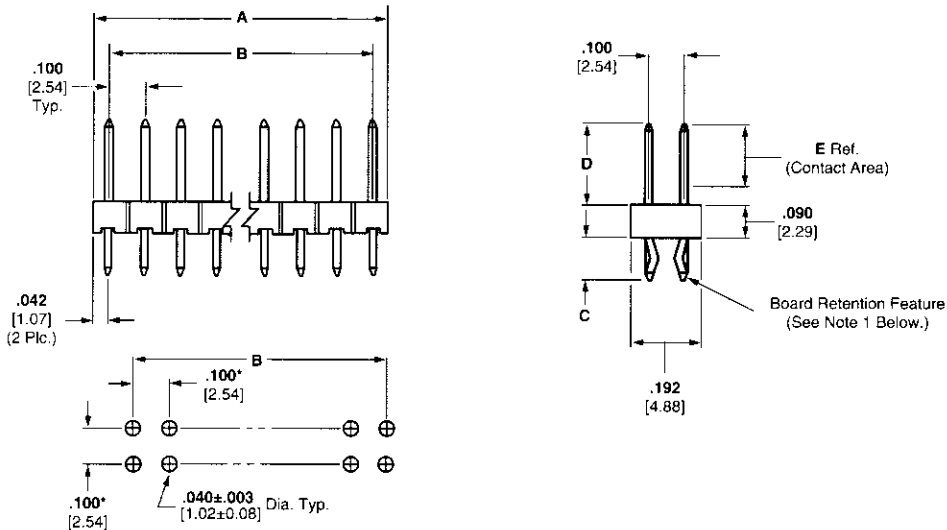
Mateable Connectors—Refer to the Mating Post Selection Guide (page 89)

Accessories:

Barrier Insert—page 221

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
2	.084 [2.13]	—	104350-1	104351-1	104352-1	104432-1	104433-1	104434-1
4	.184 [4.67]	.100 [2.54]	104350-2	104351-2	104352-2	104432-2	104433-2	104434-2
6	.284 [7.21]	.200 [5.08]	104350-3	104351-3	104352-3	104432-3	104433-3	104434-3
8	.384 [9.75]	.300 [7.62]	104350-4	104351-4	104352-4	104432-4	104433-4	104434-4
10	.484 [12.29]	.400 [10.16]	104350-5	104351-5	104352-5	104432-5	104433-5	104434-5
12	.584 [14.83]	.500 [12.70]	104350-6	104351-6	104352-6	104432-6	104433-6	104434-6
14	.684 [17.37]	.600 [15.24]	104350-7	104351-7	104352-7	104432-7	104433-7	104434-7
16	.784 [19.91]	.700 [17.78]	104350-8	104351-8	104352-8	104432-8	104433-8	104434-8
18	.884 [22.45]	.800 [20.32]	104350-9	104351-9	104352-9	104432-9	104433-9	104434-9
20	.984 [24.99]	.900 [22.86]	1-104350-0	1-104351-0	1-104352-0	1-104432-0	1-104433-0	1-104434-0
22	1.084 [27.53]	1.000 [25.40]	1-104350-1	1-104351-1	1-104352-1	1-104432-1	1-104433-1	1-104434-1
24	1.184 [30.07]	1.100 [27.94]	1-104350-2	1-104351-2	1-104352-2	1-104432-2	1-104433-2	1-104434-2
26	1.284 [32.61]	1.200 [30.48]	1-104350-3	1-104351-3	1-104352-3	1-104432-3	1-104433-3	1-104434-3
28	1.384 [35.15]	1.300 [33.02]	1-104350-4	1-104351-4	1-104352-4	1-104432-4	1-104433-4	1-104434-4
30	1.484 [37.69]	1.400 [35.56]	1-104350-5	1-104351-5	1-104352-5	1-104432-5	1-104433-5	1-104434-5
34	1.684 [42.77]	1.600 [40.64]	1-104350-6	1-104351-6	1-104352-6	1-104432-6	1-104433-6	1-104434-6
40	1.984 [50.39]	1.900 [48.26]	1-104350-7	1-104351-7	1-104352-7	1-104432-7	1-104433-7	1-104434-7
50	2.484 [63.09]	2.400 [60.96]	1-104350-8	1-104351-8	1-104352-8	1-104432-8	1-104433-8	1-104434-8
60	2.984 [75.79]	2.900 [73.66]	1-104350-9	1-104351-9	1-104352-9	1-104432-9	1-104433-9	1-104434-9
80	3.984 [101.19]	3.900 [99.06]	2-104350-0	2-104351-0	2-104352-0	2-104432-0	2-104433-0	2-104434-0

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.

Breakaway and Retention Headers—Unshrouded

5