

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

#### .025 [0.64] Square Right-Angle Post (with Board Retention Feature)



Photo 98184-4

#### 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

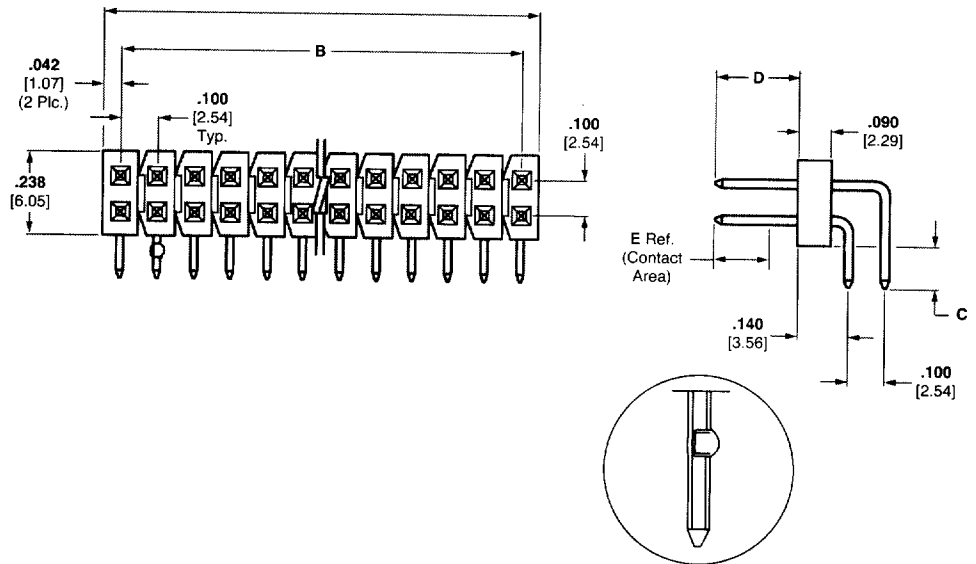
**Retention Force**—.25 lb. [1.11N]  
minimum

#### Related Product Data:

**Mateable Connectors**—Refer  
to the Mating Post Selection Guide  
(page 2045)

#### Technical Documents: page 2160

See mating connector for applicable  
product and application specifications.



Board Retention  
using Swaged Tails  
(All Header Sizes)

No. of Positions	Dimensions		C = .120 [3.05] D = .230 [5.84] E = .185 [4.70]				
			Post Plating/Part Numbers				
	A	B	Plating A	Plating B	Plating C		
8	.384	9.75	.300	7.62	—	104354-4	—
10	.484	12.29	.400	10.16	104353-5	104354-5	—
20	.984	24.99	.900	22.86	—	—	1-104355-0

**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.

For complete product information, order Catalog 1307819