

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



Housing — Black thermoplastic, 94V-0 rated

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

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

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



Receptacle Assemblies (Latching) — pages 230, 231

Receptacle Assemblies with Guide Ribs (installed in Single-Row Coupling Shroud) — pages 232, 233, 235, 240

Technical Documents —
pages 277, 278

Product Specification

108-25034

Application Specification
114-25026

Technical drawing of a 12-pin connector showing top, side, and cross-sectional views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: $.535$ [13.59]
- Pin pitch (center-to-center): $.100$ [2.54]
- Pin diameter: $.035 \pm .003$ [0.89 $\pm$ 0.08]
- Pin length: $.120$ [3.05]
- Pin spacing (edge to center): $.060$ [1.52]
- Pin diameter (typical): $.055 \pm .003$ [1.40 $\pm$ 0.08] Typ.
- Pin diameter (typical): $.100^*$ [2.54] Typ.
- Pin diameter (typical): $.340 \pm .003$ [8.64 $\pm$ 0.08] Typ.
- Pin diameter (typical): $.134 \pm .003$ [3.40 $\pm$ 0.08] (2 Plc.)
- Pin diameter (typical): $.275$ [6.99]
- Pin diameter (typical): $.230$ [5.84]
- Pin diameter (typical): $.200$ [5.08] Ref. (Contact Area)
- Pin diameter (typical): $.145$ [3.68]
- Pin diameter (typical): $.350$ [8.89]
- Pin diameter (typical): $.130$ [3.30]

Side View Dimensions:

- Overall height: $.365$ [9.27]
- Pin height: $.200$ [5.08]
- Pin height: $.100$ [2.54]
- Pin height: $.060$ [1.52]
- Pin height: $.120$ [3.05]
- Pin height: $.060$ [1.52]

Section X-X Dimensions:

- Overall width: $.535$ [13.59]
- Pin pitch: $.100$ [2.54]
- Pin diameter: $.035 \pm .003$ [0.89 $\pm$ 0.08]
- Pin length: $.120$ [3.05]
- Pin spacing: $.060$ [1.52]
- Pin diameter: $.055 \pm .003$ [1.40 $\pm$ 0.08] Typ.
- Pin diameter: $.100^*$ [2.54] Typ.
- Pin diameter: $.340 \pm .003$ [8.64 $\pm$ 0.08] Typ.
- Pin diameter: $.134 \pm .003$ [3.40 $\pm$ 0.08] (2 Plc.)
- Pin diameter: $.275$ [6.99]
- Pin diameter: $.230$ [5.84]
- Pin diameter: $.200$ [5.08] Ref. (Contact Area)
- Pin diameter: $.145$ [3.68]
- Pin diameter: $.350$ [8.89]
- Pin diameter: $.130$ [3.30]

Notes:

- Position No. 1 Indicator
- Section X-X
- Pin diameter (typical): $.035 \pm .003$ [0.89 $\pm$ 0.08]
- Pin diameter (typical): $.055 \pm .003$ [1.40 $\pm$ 0.08] Typ.
- Pin diameter (typical): $.100^*$ [2.54] Typ.
- Pin diameter (typical): $.340 \pm .003$ [8.64 $\pm$ 0.08] Typ.
- Pin diameter (typical): $.134 \pm .003$ [3.40 $\pm$ 0.08] (2 Plc.)
- Pin diameter (typical): $.275$ [6.99]
- Pin diameter (typical): $.230$ [5.84]
- Pin diameter (typical): $.200$ [5.08] Ref. (Contact Area)
- Pin diameter (typical): $.145$ [3.68]
- Pin diameter (typical): $.350$ [8.89]
- Pin diameter (typical): $.130$ [3.30]

Recommended PC Board Hole Layout
(PC board thickness (for Holddown Feature) is .062±.008 [1.57±0.20])
^{±.003 [±0.08]; tolerance not to accumulate within one connector pattern.}

[illegible]

Recommended PC Board Hole Layout
 ± 0.003 [± 0.08]: tolerance not to accumulate within one connector pattern.

MTE Headers, Shrouded Latching, Single-Row .100 [2.54] Centerline (Continued)

No. of Pos.	Dimensions			Latching Header With Hold Down			Latching Header Without Hold Down		
	A	B	C	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C
2	.300 [7.62]	.220 [5.59]	.100 [2.54]	5-103904-1	5-103673-1	5-103672-1	5-104935-5	5-103635-1	5-103634-1
3	.400 [10.16]	.320 [8.13]	.200 [5.08]	5-103904-2	5-103673-2	5-103672-2	5-104935-3	5-103635-2	5-103634-2
4	.500 [12.70]	.420 [10.67]	.300 [7.62]	5-103904-3	5-103673-3	5-103672-3	5-104935-1	5-103635-3	5-103634-3
5	.600 [15.24]	.520 [13.21]	.400 [10.16]	5-103904-4	5-103673-4	5-103672-4	5-104935-6	5-103635-4	5-103634-4
6	.700 [17.78]	.620 [15.75]	.500 [12.70]	5-103904-5	5-103673-5	5-103672-5	5-104935-7	5-103635-5	5-103634-5
7	.800 [20.32]	.720 [18.29]	.600 [15.24]	5-103904-6	5-103673-6	5-103672-6	5-104935-8	5-103635-6	5-103634-6
8	.900 [22.86]	.820 [20.83]	.700 [17.78]	5-103904-7	5-103673-7	5-103672-7	5-104935-2	5-103635-7	5-103634-7
9	1.000 [25.40]	.920 [23.37]	.800 [20.32]	5-103904-8	5-103673-8	5-103672-8	5-104935-9	5-103635-8	5-103634-8
10	1.100 [27.94]	1.020 [25.91]	.900 [22.86]	5-103904-9	5-103673-9	5-103672-9	6-104935-0	5-103635-9	5-103634-9
11	1.200 [30.48]	1.120 [28.45]	1.000 [25.40]	6-103904-0	6-103673-0	6-103672-0	6-104935-1	6-103635-0	6-103634-0
12	1.300 [33.02]	1.220 [30.99]	1.100 [27.94]	6-103904-1	6-103673-1	6-103672-1	5-104935-4	6-103635-1	6-103634-1
13	1.400 [35.56]	1.320 [33.53]	1.200 [30.48]	6-103904-2	6-103673-2	6-103672-2	6-104935-2	6-103635-2	6-103634-2
14	1.500 [38.10]	1.420 [36.07]	1.300 [33.02]	6-103904-3	6-103673-3	6-103672-3	6-104935-3	6-103635-3	6-103634-3
15	1.600 [40.64]	1.520 [38.61]	1.400 [35.56]	6-103904-4	6-103673-4	6-103672-4	6-104935-4	6-103635-4	6-103634-4
16	1.700 [43.18]	1.620 [41.15]	1.500 [38.10]	6-103904-5	6-103673-5	6-103672-5	6-104935-5	6-103635-5	6-103634-5
17	1.800 [45.72]	1.720 [43.69]	1.600 [40.64]	6-103904-6	6-103673-6	6-103672-6	6-104935-6	6-103635-6	6-103634-6
18	1.900 [48.26]	1.820 [46.23]	1.700 [43.18]	6-103904-7	6-103673-7	6-103672-7	6-104935-7	6-103635-7	6-103634-7
19	2.000 [50.80]	1.920 [48.77]	1.800 [45.72]	6-103904-8	6-103673-8	6-103672-8	6-104935-8	6-103635-8	6-103634-8
20	2.100 [53.34]	2.020 [51.31]	1.900 [48.26]	6-103904-9	6-103673-9	6-103672-9	6-104935-9	6-103635-9	6-103634-9
21	2.200 [55.88]	2.120 [53.85]	2.000 [50.80]	7-103904-0	7-103673-0	7-103672-0	7-104935-0	7-103635-0	7-103634-0
22	2.300 [58.42]	2.220 [56.39]	2.100 [53.34]	7-103904-1	7-103673-1	7-103672-1	7-104935-1	7-103635-1	7-103634-1
23	2.400 [60.96]	2.320 [58.93]	2.200 [55.88]	7-103904-2	7-103673-2	7-103672-2	7-104935-2	7-103635-2	7-103634-2
24	2.500 [63.50]	2.420 [61.47]	2.300 [58.42]	7-103904-3	7-103673-3	7-103672-3	7-104935-3	7-103635-3	7-103634-3
25	2.600 [66.04]	2.520 [64.01]	2.400 [60.96]	7-103904-4	7-103673-4	7-103672-4	7-104935-4	7-103635-4	7-103634-4

Notes: 1. Selectively loaded headers are available, consult Tyco Electronics.
2. Use **Keying Tool No. 91417-1** to remove post for keying.

Note: All part numbers are RoHS compliant.