

Receptacle Assemblies, Board Mount, Double-Row, Closed Entry, .100 x .100 [2.54 x 2.54] Centerline

Horizontal Mount (with Guide Pin Slots and Standoffs)



Material and Finish

Housing — Glass-filled thermoplastic, black, 94V-0 rated

Contacts — Phosphor bronze, plated as follows:

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

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

Related Product Data

Mateable Headers — pages 198, 199

Performance Specifications — page 194

Technical Documents — page 276

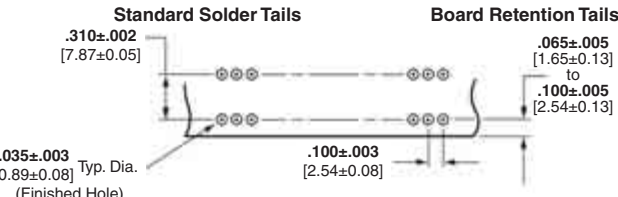
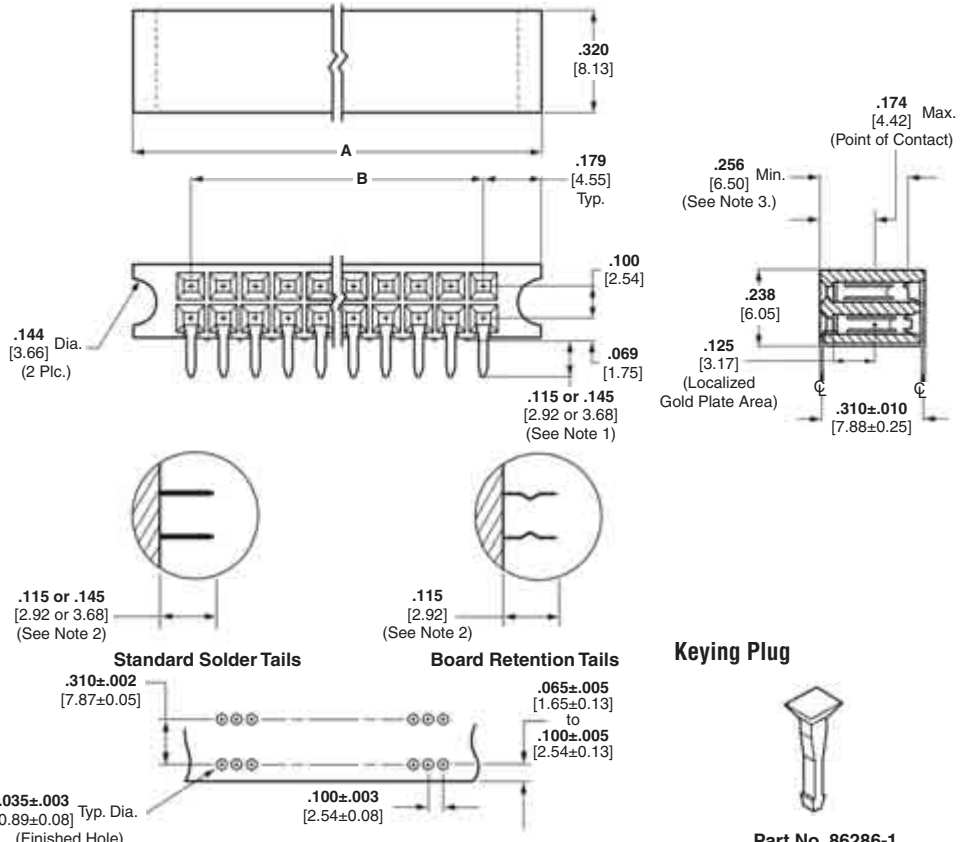
Product Specification

108-25017

Application Specification

114-9009

Additional receptacle assembly sizes and solder tail lengths are available; minimum order quantities may apply. Consult Tyco Electronics.



Recommended PC Board Hole Layout (for .055 [1.40] min. thick PC board)

Tolerances not to accumulate within one connector pattern.

Keying Plug



Part No. 86286-1

(Plugs into receptacle contact)

Material — Natural color nylon

No. of Pos.	Dimensions		Receptacle Assembly Part Nos. with .115 [2.92] Solder Tail Lengths				Receptacle Assembly Part Nos. with .145 [3.68] Solder Tail Lengths	
	A	B	Standard Solder Tails		Board Retention Tails		Standard Solder Tails	
			Plating A	Plating B	Plating A	Plating B	Plating A	
12	.858 [21.79]	.500 [12.70]	5-532956-1	5-532955-1	5-534204-2	5-534975-5	5-533009-1	
14	.958 [24.33]	.600 [15.24]	—	7-532955-5	—	—	—	
16	1.058 [26.87]	.700 [17.78]	5-532956-2	—	6-534204-0	6-534975-5	—	
20	1.258 [31.95]	.900 [22.86]	5-532956-3	5-532955-3	5-534204-9	5-534975-6	—	
24	1.458 [37.03]	1.100 [27.94]	5-532956-4	5-532955-4	6-534204-1	5-534975-7	—	
30	1.758 [44.65]	1.400 [35.56]	5-532956-5	5-532955-5	5-534204-4	5-534975-8	5-533009-5	
36	2.058 [52.27]	1.700 [43.18]	5-532956-6	5-532955-6	5-534204-3	5-534975-9	—	
40	2.258 [57.35]	1.900 [48.26]	5-532956-7	5-532955-7	6-534204-2	6-534975-0	—	
50	2.758 [70.05]	2.400 [60.96]	5-532956-8	5-532955-8	5-534204-1	6-534975-1	5-533009-8	
60	3.258 [82.75]	2.900 [73.66]	5-532956-9	5-532955-9	5-534204-5	6-534975-2	5-533009-9	
70	3.758 [95.45]	3.400 [86.36]	6-532956-0	6-532955-0	6-534204-3	6-534975-3	6-533009-0	
72	3.858 [97.99]	3.500 [88.90]	6-532956-1	6-532955-1	6-534204-4	—	—	
80	4.258 [108.15]	3.900 [99.06]	6-532956-2	6-532955-2	5-534204-8	6-534975-4	6-533009-2	
86	4.558 [115.77]	4.200 [106.68]	6-532956-3	6-532955-3	—	—	6-533009-3	
90	4.758 [120.85]	4.400 [111.76]	6-532956-4	6-532955-4	—	—	—	
96	5.058 [128.47]	4.700 [119.38]	6-532956-5	6-532955-5	6-534204-5	—	6-533009-5	
100	5.258 [133.55]	4.900 [124.46]	6-532956-6	6-532955-6	5-534204-6	5-534975-1	6-533009-6	
110	5.758 [146.25]	5.400 [137.16]	6-532956-7	6-532955-7	6-534204-6	—	—	
120	6.258 [158.95]	5.900 [149.86]	6-532956-8	6-532955-8	5-534204-7	5-534975-2	6-533009-8	
130	6.758 [171.65]	6.400 [162.56]	7-532956-0	7-532955-0	6-534204-7	—	—	
200	10.258 [260.55]	9.900 [251.46]	7-532956-3	7-532955-3	7-534204-0	5-534975-4	—	

Notes: 1. .115 [2.92] tail length is for use with .062 [1.57] PC boards; .145 [3.68] tail length is for use with .093 [2.36] PC boards.

2. Receptacle assemblies with low force contacts are available, consult Tyco Electronics.

3. .256 [6.50] minimum positive pin stop to prevent shorting between rows.

Note: All part numbers are RoHS compliant.