Receptacle Assemblies, Vertical Board Mount

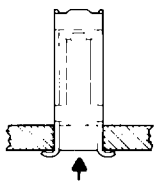
For **drawings, technical data or samples,** contact your AMP sales engineer or call the AMP Product Information Center **1-800-522-6752.**

Single Row .156 Centers

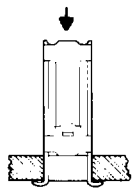
Materials:

Housing—Black Thermoplastic, 94V-0 Rated

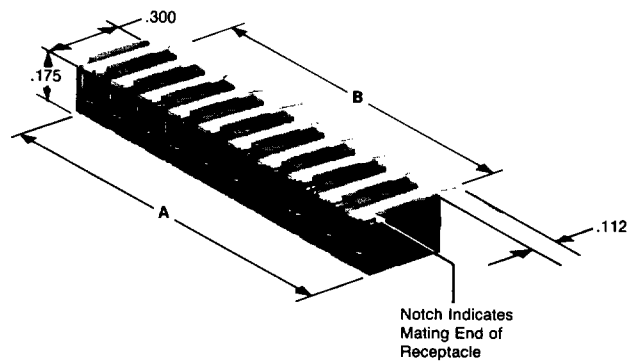
Receptacles—Copper Alloy



Post Entry Type A



Post Entry Type B



No. of Pos.	Dimensions		Packaged Quantities	Type A				Type B		
				Standard Pressure			High Pressure	Standard Pressure		
	A	B		Tin Plated[1]	Gold Plated[2]	Solder Resist[3]	Tin Plated[1]	Tin Plated[1]	Gold Plated[2]	Solder Resist[3]
2	.312	.156	500	87983-2	87984-2	87989-2	87993-2	87985-2	87986-2	87990-2
3	.468	.312	500	87983-3	87984-3	87989-3	87993-3	87985-3	87986-3	87990-3
4	.624	.468	500	87983-4	87984-4	87989-4	87993-4	87985-4	87986-4	87990-4
5	.780	.624	250	87983-5	87984-5	87989-5	87993-5	87985-5	87986-5	87990-5
6	.936	.780	250	87983-6	87984-6	87989-6	87993-6	87985-6	87986-6	87990-6
7	1.092	.936	250	87983-7	87984-7	87989-7	87993-7	87985-7	87986-7	87990-7
8	1.248	1.092	250	87983-8	87984-8	87989-8	87993-8	87985-8	87986-8	87990-8
10	1.560	1.404	100	1-87983-0	1-87984-0	1-87989-0	1-87993-0	1-87985-0	1-87986-0	1-87990-0
12	1.872	1.716	100	1-87983-2	1-87984-2	1-87989-2	1-87993-2	1-87985-2	1-87986-2	1-87990-2
14	2.184	2.028	100	1-87983-4	1-87984-4	1-87989-4	1-87993-4	1-87985-4	1-87986-4	1-87990-4

[1] .000030 minimum tin on entire receptacle.

[2] .000030 gold on contact area, gold flash over .000050 nickel on entire receptacle.

[3] .000030 gold over .000050 nickel on contact area, .000500 aluminum on select area inside of solder tines, remainder of receptacle unfinished.

Related Product Data:

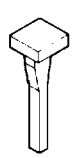
Recommended Board Layout—Page 4

Mates with
Machine Applied Posts—Page 11
Headers—Pages 12, 13, & 14

Performance Specifications—Page 18

Technical Documents—Page 19

Keying Plug



Part No. 86181-2
Use In Board Mount Receptacles

Receptacle Assemblies, Horizontal Board Mount

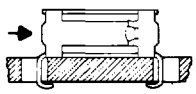
For **drawings, technical data or samples,** contact your AMP sales engineer or call the AMP Product Information Center **1-800-522-6752.**

Single Row, .156 Centers

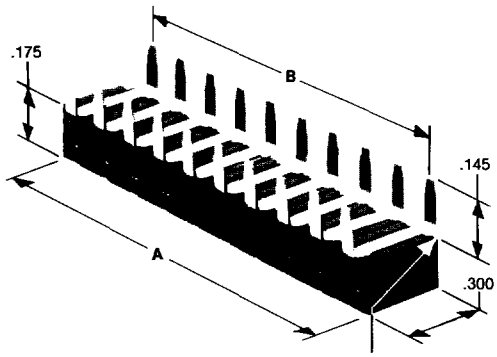
Materials:

Housing—Black Thermoplastic, 94V-0 Rated

Receptacles—Copper Alloy



Post Entry Type C



Notch Indicates Mating End of Receptacle

Related Product Data:

Mates with
Machine Applied Posts—Page 11
Headers—Pages 12, 13, & 14

Performance Specifications—Page 18

Technical Documents—Page 19

No. of Pos.	Dimensions A	Dimensions B	Packaged Quantities	Tin Plated Receptacles[1] Standard Pressure	Tin Plated Receptacles[1] High Pressure	Gold Plated Receptacles[2] Standard Pressure
2	.312	.156	500	87987-2	87995-2	87988-2
3	.468	.312	500	87987-3	87995-3	87988-3
4	.624	.468	500	87987-4	87995-4	87988-4
5	.780	.624	250	87987-5	87995-5	87988-5
6	.936	.780	250	87987-6	87995-6	87988-6
7	1.092	.936	250	87987-7	87995-7	87988-7
8	1.248	1.092	250	87987-8	87995-8	87988-8
10	1.560	1.404	100	1-87987-0	1-87995-0	1-87988-0
12	1.872	1.716	100	1-87987-2	1-87995-2	1-87988-2
14	2.184	2.028	100	1-87987-4	1-87995-4	1-87988-4

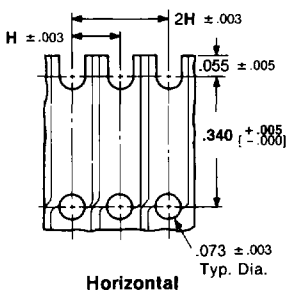
[1] .000030 minimum tin on entire receptacle.

[2] .000030 gold on contact area, gold flash over .000050 nickel on entire receptacle.

Keying Plug

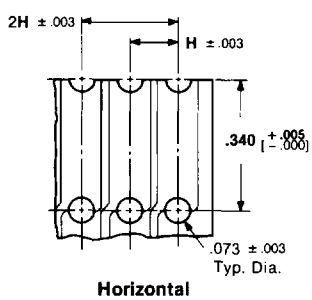
Part No. 86181-2
Use in Board Mount Receptacles

Recommended Board Layouts for Receptacle Assemblies and Individual Receptacles (Type C)



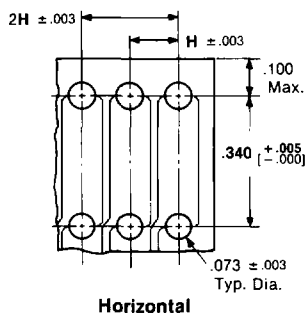
Horizontal

This configuration recommended for use with machine applied posts or headers with a .405 minimum mating end post length.*



Horizontal

This configuration recommended for use with machine applied posts or headers with a .345 minimum mating end post length.*



Horizontal

This configuration recommended for use with machine applied posts or headers with a .500 minimum mating end post length.*

*The mating post length is depicted by the **A** dimension on page 11 (machine applied posts) and the **C** dimension on pages 12, 13 and 14 (headers).

H—Receptacle centers may vary depending on requirements. For individual receptacles, minimum nominal centerline spacing between adjacent receptacles is .125; for receptacle assemblies, centerline spacing between adjacent receptacles is .156. The .003 tolerances are not to accumulate over length of board.