

Headers, Right Angle Post (Keyed)

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

Posts—Brass

Related Product Data:

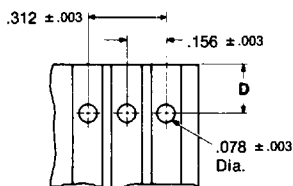
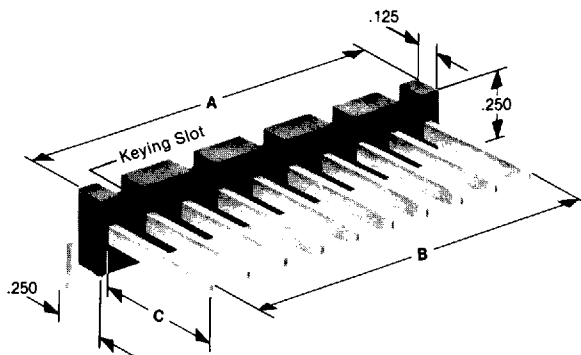
Mate with

Board Mount Receptacles—Pages 4 & 5

Board Mount Receptacle Assemblies—Pages 6 & 7
Crimp Snap-In Receptacles and Housings—Pages 8, 9, & 10
Locking Clip Contacts and Housings (.500 Post Height Only)—Pages 15 & 16

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Mounting Dimensions

D Dimension:

.345 Post Height

.250 for mounting header flush with board edge; .595 for supporting mating connector on board.

.500 Post Height

.250 for mounting header flush with board edge; .750 for supporting mating connector on board.

No. of Pos.	Dimensions		No. of Keying Slots	Packaged Quantities	Post Height C = .345		Post Height C = .500	
	A	B			Bright Tin Plated Posts ¹	Gold Plated Posts ²	Bright Tin Plated Posts ¹	Gold Plated Posts ³
2	.267	.156	1	500	87655-2	87654-2	87194-1	87258-2
3	.423	.312	1	500	87655-3	87654-3	87194-2	87258-3
4	.579	.468	2	500	87655-4	87654-4	87194-3	87258-4
5	.735	.624	2	250	87655-5	87654-5	87194-4	87258-5
6	.891	.780	3	250	87655-6	87654-6	87194-5	87258-6
7	1.047	.936	3	250	87655-7	87654-7	87194-6	87258-7
8	1.203	1.092	4	250	87655-8	87654-8	87194-7	87258-8
9	1.359	1.248	3	250	87655-9	87654-9	87194-8	87258-9
10	1.515	1.404	5	100	1-87655-0	1-87654-0	87194-9	1-87258-0
11	1.671	1.560	4	100	1-87655-1	1-87654-1	1-87194-0	1-87258-1
12	1.827	1.716	6	100	1-87655-2	1-87654-2	1-87194-1	1-87258-2
13	1.983	1.872	4	100	1-87655-3	1-87654-3	1-87194-2	1-87258-3
14	2.139	2.028	7	100	1-87655-4	1-87654-4	1-87194-3	1-87258-4
15	2.295	2.184	5	100	1-87655-5	1-87654-5	1-87194-4	1-87258-5
16	2.451	2.340	8	50	1-87655-6	1-87654-6	1-87194-5	1-87258-6
17	2.607	2.496	6	50	1-87655-7	1-87654-7	1-87194-6	1-87258-7
18	2.763	2.652	6	50	1-87655-8	1-87654-8	1-87194-7	1-87258-8
24	3.699	3.588	12	50	2-87655-4	2-87654-4	2-87194-3	2-87258-4
25	3.855	3.744	11	50	2-87655-5	2-87654-5	2-87194-4	2-87258-5

¹ .000100-.000200 bright tin over .000030 nickel on entire post.

² .000030 gold on contact area, gold flash over .000050 nickel on entire post.

³ .000015 gold over .000050 nickel on entire post.

Performance Specifications

The electrical, mechanical and environmental characteristics of the AMPMODU .031 x .062 Interconnection System are listed below:

Electrical Characteristics

Contact Current Rating:

5 amperes max. for single contact in free air, could vary due to ambient temperature, wire size and duty cycles.

Contact Resistance:

12 milliohms at 100 ma and 50 mv open circuit.

Dielectric Rating:

At Sea Level—1200 VAC between contacts on .156 centers for 1 minute.

Insulation Resistance: 5×10^3 megohms (initial)

Mechanical Characteristics

Contact Durability:

Plating	Receptacles		Locking Clip Contacts
	Standard Pressure	High Pressure	
.000030 Tin	75 cycles	50 cycles	
.000015 Gold	75 cycles	50 cycles	25 cycles
.000030 Gold	200 cycles	100 cycles	

Connector Durability:

Receptacles

Mating —16 oz. max. per contact after 3 mating cycles (standard pressure)
 30 oz. max. per contact after 3 mating cycles (high pressure)

Unmating —1 oz. min. after 3 mating cycles (standard pressure)
 3 oz. min. after 3 mating cycles (high pressure)

Locking Clip Contacts

Mating —4 lbs. per contact after 3 mating cycles.

Unmating —2 lbs. per contact after 3 mating cycles.

Environmental Characteristics

Operating Temperature: -65°C to +105°C (Gold)
 -65°C to +60°C (Tin)