

Receptacle Housings, Standard Profile (Unkeyed)

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

**Without Strain Relief,
Single Row,
.156 Centers**

Material: Black Thermoplastic,
94V-0 Rated

Related Product Data:

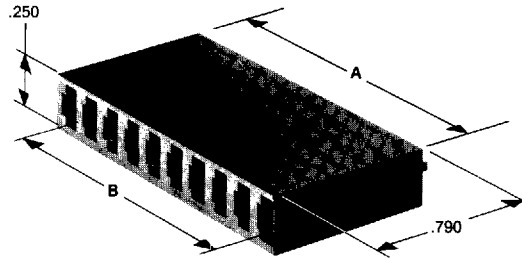
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| No. of Pos. | Dimensions | | Packaged Quantities | Part Numbers | |
|-------------|------------|-------|---------------------|------------------------|------------------------|
| | A | B | | Stamped ¹ | Unstamped ² |
| 2 | .312 | .156 | 300 | — | 2-87025-5 ³ |
| 3 | .468 | .312 | 300 | — | 2-87025-1 |
| 4 | .624 | .468 | 300 | — | 1-87025-3 |
| 5 | .780 | .624 | 300 | — | 2-87025-3 |
| 6 | .936 | .780 | 300 | 87025-1 | 87025-2 |
| 7 | 1.092 | .936 | 300 | 3-87025-3 | 3-87025-4 |
| 8 | 1.248 | 1.092 | 300 | 1-87025-5 | 1-87025-6 |
| 9 | 1.404 | 1.248 | 300 | 87025-9 | 1-87025-0 ³ |
| 10 | 1.560 | 1.404 | 300 | 1-87025-7 | 1-87025-8 |
| 11 | 1.716 | 1.560 | 150 | 3-87025-5 ³ | 3-87025-6 ³ |
| 12 | 1.872 | 1.716 | 150 | 1-87025-1 ³ | 1-87025-2 ³ |
| 13 | 2.028 | 1.872 | 150 | 2-87025-9 ³ | 3-87025-0 ³ |
| 14 | 2.184 | 2.028 | 150 | 3-87025-7 ³ | 3-87025-8 ³ |
| 15 | 2.340 | 2.184 | 150 | 3-87025-1 ³ | 3-87025-2 ³ |
| 16 | 2.496 | 2.340 | 150 | 1-87025-9 ³ | 2-87025-0 ³ |
| 17 | 2.652 | 2.496 | 150 | 3-87025-9 ³ | 4-87025-0 ³ |
| 18 | 2.808 | 2.652 | 150 | 87025-3 ³ | 87025-4 ³ |
| 19 | 2.964 | 2.808 | 150 | 87025-5 ³ | 87025-6 ³ |
| 20 | 3.120 | 2.964 | 150 | 87025-7 | 87025-8 |
| 25 | 3.900 | 3.744 | 150 | 4-87025-9 | 5-87025-0 |

¹ AMP Trademark, Part No. and Data Code stamped on housing.

² No marking on housing.

³ Minimum order greater than packaged quantities required. Consult AMP Incorporated, Harrisburg, PA 17105.

**With Strain Relief,
Single Row,
.156 Centers**

Material: Black Thermoplastic,
94V-0 Rated

Related Product Data:

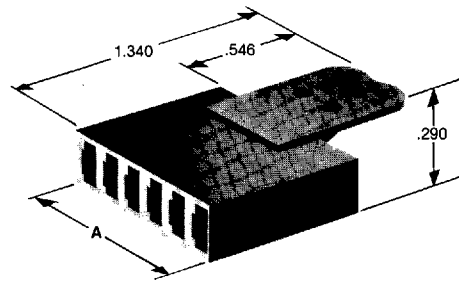
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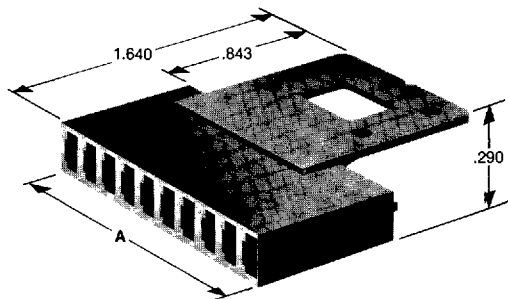
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Type I



Type II

| No. of Pos. | Dim. A | Packaged Quantities | Type | Part Numbers ¹ |
|-------------|--------|---------------------|------|---------------------------|
| 4 | .624 | 150 | I | 102090-4 |
| 5 | .780 | 150 | I | 102090-5 |
| 6 | .936 | 150 | I | 102090-6 ² |
| 7 | 1.092 | 150 | II | 102090-7 ² |
| 8 | 1.248 | 150 | II | 102090-8 ² |
| 9 | 1.404 | 150 | II | 102090-9 ² |
| 10 | 1.560 | 150 | II | 1-102090-0 ² |
| 11 | 1.716 | 75 | II | 1-102090-1 ² |
| 12 | 1.872 | 75 | II | 1-102090-2 ² |
| 13 | 2.028 | 75 | II | 1-102090-3 ² |
| 14 | 2.184 | 75 | II | 1-102090-4 ² |
| 15 | 2.340 | 75 | II | 1-102090-5 ² |
| 16 | 2.496 | 75 | II | 1-102090-6 ² |
| 17 | 2.652 | 75 | II | 1-102090-7 ² |
| 18 | 2.808 | 75 | II | 1-102090-8 ² |
| 19 | 2.964 | 75 | II | 1-102090-9 ² |
| 20 | 3.120 | 75 | II | 2-102090-0 ² |

¹ No marking on housing.

² Minimum order greater than packaged quantities required. Consult AMP Incorporated, Harrisburg, PA 17105.

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)