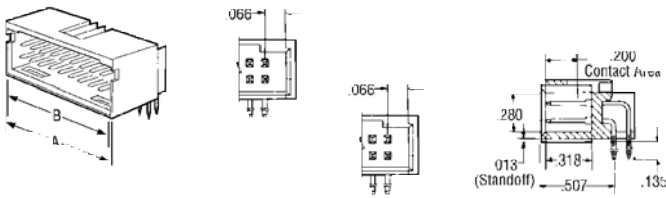


## **AMPMODU® Printed Circuit Board Connectors**

### Standard Profile Headers — Shrouded Right Angle, Double Row, 0.100" × 0.100 Centers



### 0.025 Square Right-Angle Post — 0.066 End Dimension

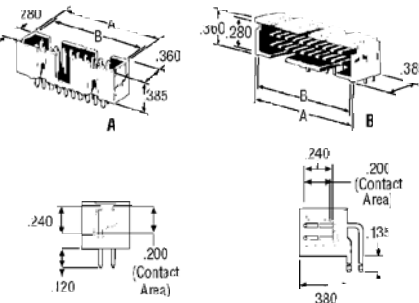
| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |       | Plating Code* | EACH |         |
|-----------|-------------|-------------|------------|-------|---------------|------|---------|
|           |             |             | A          | B     |               | 1-99 | 100-499 |
| 512-2836  | 103166-1    | 6           | 0.412      | 0.332 | 1             | .84  | .75     |
| 512-2838  | 102617-1    | 6           | 0.412      | 0.332 | 2             | .73  | .65     |
| 512-2840  | 103166-2    | 8           | 0.512      | 0.432 | 1             | 1.09 | .98     |
| 512-2842  | 102617-2    | 8           | 0.512      | 0.432 | 2             | 1.52 | 1.37    |

**Contact Plating:** 1=Duplex C — 0.000030 gold on contact area, 0.000100-0.000200 tin-lead on solder area, with entire post underplated 0.000050 nickel; 2=Duplex D — 0.000015 gold on contact area 0.000100-0.000200 tin-lead on solder area, with entire post underplated 0.000050 nickel; 3=Tin-Lead/Nickel — 0.000100-0.000200 tin-lead over 0.000050 nickel on entire post.

### 0.025 Square Right-Angle Post — 0.150 End Dimension

| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |       | Plating Code* | EACH |         |
|-----------|-------------|-------------|------------|-------|---------------|------|---------|
|           |             |             | A          | B     |               | 1-99 | 100-499 |
| 512-2848  | 103167-1    | 8           | 0.680      | 0.600 | 1             | 1.06 | .98     |
| 512-2850  | 102570-2    | 8           | 0.680      | 0.600 | 2             | 1.52 | 1.37    |
| 512-2852  | 103167-2    | 10          | 0.780      | 0.700 | 1             | 2.11 | 1.92    |
| 512-2854  | 102570-3    | 10          | 0.780      | 0.700 | 2             | 1.09 | .98     |

## Low Profile Headers



**Shrouded with 0.150 End Dimension Double Row, 0.100" x 0.100" Centers**

### 0.025 Square Straight Post — Fig. A

| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |       | Plating Code <sup>a</sup> | EACH |         |
|-----------|-------------|-------------|------------|-------|---------------------------|------|---------|
|           |             |             | A          | B     |                           | 1-99 | 100-499 |
| 512-2626  | 103308-1    | 10          | 0.800      | 0.700 | 2                         | .48  | .43     |
| 512-2627  | 103308-1    | 10          | 0.800      | 0.700 | 1                         | .57  | .51     |
| 512-2628  | 103308-2    | 10          | 0.800      | 0.800 | 2                         | .63  | .50     |
| 512-2628  | 103308-3    | 16          | 1.100      | 0.000 | 2                         | .88  | .80     |
| 512-2629  | 103308-5    | 20          | 1.300      | 1.200 | 2                         | .84  | .76     |
| 512-2630  | 103308-5    | 20          | 1.300      | 1.200 | 1                         | 1.02 | .92     |
| 512-2631  | 103308-6    | 26          | 1.600      | 1.500 | 2                         | .99  | .89     |
| 512-2632  | 103308-6    | 26          | 1.600      | 1.500 | 1                         | 1.20 | 1.08    |
| 512-2633  | 103308-7    | 34          | 2.000      | 1.900 | 2                         | 1.29 | 1.16    |
| 512-2635  | 103308-8    | 40          | 2.300      | 2.200 | 2                         | 1.50 | 1.35    |
| 512-2636  | 1-103308-0  | 50          | 2.800      | 2.700 | 2                         | 1.44 | 1.29    |

**Contact Plating:** 1=Duplex C — 0.000030 gold on contact area, 0.000100-0.000200 tin-lead on solder area, with entire post underplated 0.000050 nickel; 2=Duplex D — 0.000015 gold on contact area 0.000100-0.000200 tin-lead on solder area, with entire post underplated 0.000050 nickel; 3=Tin-Lead/Nickel — 0.000100-0.000200 tin-lead over 0.000050 nickel on entire post.

### 0.025 Square Right-Angle Post — Fig. B

| Stock No. | Mfr.'s Type | No. of Pos. | Dimensions |       | Plating Code <sup>a</sup> | EACH |         |
|-----------|-------------|-------------|------------|-------|---------------------------|------|---------|
|           |             |             | A          | B     |                           | 1-99 | 100-499 |
| 512-2634  | 103310-1    | 10          | 0.800      | 0.700 | 2                         | .63  | .57     |
| 512-2637  | 103311-1    | 10          | 0.800      | 0.700 | 1                         | 1.81 | 1.63    |
| 512-2638  | 103310-2    | 10          | 0.800      | 0.800 | 2                         | .84  | .75     |
| 512-2644  | 103310-3    | 16          | 1.100      | 1.000 | 2                         | 1.70 | .63     |
| 512-2648  | 103310-5    | 20          | 1.300      | 1.200 | 2                         | 1.11 | 1.00    |
| 512-2639  | 103310-6    | 26          | 1.600      | 1.500 | 2                         | 1.34 | 1.20    |
| 512-2640  | 103310-7    | 34          | 2.000      | 1.900 | 2                         | 4.53 | 4.08    |
| 512-2641  | 103311-7    | 34          | 2.000      | 1.900 | 1                         | 5.10 | 4.59    |
| 512-2642  | 103310-8    | 40          | 2.300      | 2.200 | 2                         | 5.10 | 4.59    |
| 512-2643  | 1-103310-0  | 50          | 2.800      | 2.700 | 2                         | 1.10 | 1.89    |

## Double Row MT Receptacle Connectors

Housings are preloaded with standard pressure contacts on 0.100" x 0.100" terminals. The contacts are insulation displacement for termination of discrete wires or ribbon cable with conductors separated. Crimp, snap-in contacts can be used interchangeably with the insulation displacement contacts. Connector covers are sold separately. **Specifications:** **Housing:** Black thermoplastic, flame retardant. **Contacts:** Copper alloy; duplex plated 0.00030" g. gold on the contact area, 0.00050" min. tin-lead on termination area, with entire contact underplated 0.00050" g. nickel. **Rating:** 3 amperes for single contact in free air, UL recognized, CSA certified. **Operating Temperature:** -65°C to +105°C. Mated with posts 0.222"-0.273" in length.

### Wire Size 26-22 AWG — Fig. A

| Stock No. | Mfr.'s Type | No. of Pos. | A Dim. | EACH |         |
|-----------|-------------|-------------|--------|------|---------|
|           |             |             |        | 1-99 | 100-999 |
| 512-6424  | 102398-6    | 6           | 0.300" | 1.68 | 1.51    |
| 512-6000  | 102398-2    | 8           | 0.400" | 2.71 | 2.47    |
| 512-6002  | 102398-3    | 10          | 0.500" | 2.34 | 2.08    |
| 512-6004  | 102398-4    | 12          | 0.600" | 2.74 | 2.47    |
| 512-6006  | 102398-5    | 14          | 0.700" | 3.20 | 2.88    |
| 512-6008  | 102398-6    | 16          | 0.800" | 2.63 | 2.36    |
| 512-6010  | 102398-7    | 18          | 0.900" | 2.79 | 2.51    |
| 512-6012  | 102398-8    | 20          | 1.000" | 4.56 | 4.10    |
| 512-6014  | 1-102398-6  | 20          | 1.000" | 2.74 | 2.47    |
| 512-6014  | 1-102398-9  | 26          | 1.300" | 2.82 | 2.02    |
| 512-6426  | 1-102398-3  | 30          | 1.500" | 6.85 | 6.16    |
| 512-618   | 1-102398-5  | 34          | 1.700" | 7.75 | 6.98    |
| 512-6022  | 1-102398-8  | 40          | 2.000" | 6.78 | 6.10    |
| 512-6026  | 2-102398-3  | 50          | 2.500" | 8.25 | 7.43    |

### Wire Size 22-20 AWG — Fig. A

|          |            |    |        |      |      |
|----------|------------|----|--------|------|------|
| 512-6040 | 102448-3   | 10 | 0.500" | 2.31 | 2.08 |
| 512-6042 | 102448-4   | 12 | 0.600" | 2.74 | 2.47 |
| 512-6044 | 102448-5   | 14 | 0.700" | 3.20 | 2.88 |
| 512-6046 | 102448-6   | 16 | 0.800" | 3.65 | 3.28 |
| 512-6048 | 102448-8   | 20 | 1.000" | 4.56 | 4.10 |
| 512-6428 | 1-102448-0 | 24 | 1.200" | 5.51 | 4.96 |
| 512-6052 | 1-102448-1 | 26 | 1.300" | 4.71 | 4.24 |
| 512-6068 | 1-102448-8 | 40 | 2.000" | 9.04 | 8.22 |

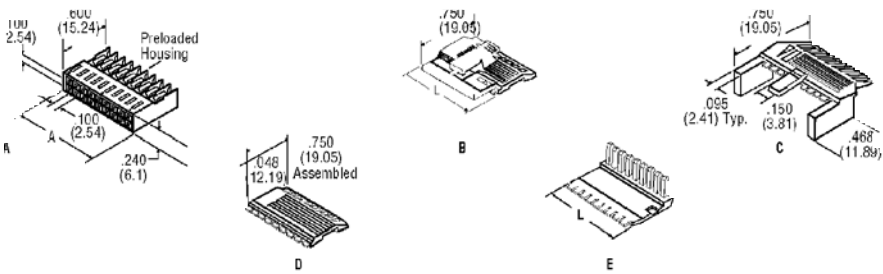
\*Unloaded housings.

## Front Covers

**Latching Cover — Fig. B.** Mates with AMPMODU® 4-sided shrouded headers with extraction slot.

| Stock No. | Mfr.'s Type | No. of Pos. | L Dim. | EACH |         |
|-----------|-------------|-------------|--------|------|---------|
|           |             |             |        | 1-99 | 100-499 |
| 512-6430  | 102681-1    | 12          | 0.600" | .49  | .45     |
| 512-6432  | 102681-4    | 18          | 0.900" | .48  | .44     |
| 512-6077  | 102681-5    | 20          | 1.000" | 1.36 | 1.24    |
| 512-6079  | 102681-8    | 26          | 1.300" | .89  | .81     |
| 512-6085  | 2-102681-0  | 50          | 2.500" | 1.65 | 1.48    |

**Covers.** Low profile for double row MT connectors. **Material:** Black thermoplastic, flame retardant.



### Front Covers (continued)

**Ejection Cover — Fig. C.** Mates with AMP-LATCH® universal ejection style pin headers with latching ears or AMPMODU® low profile shrouded headers.

| Stock No. | Mfr.'s Type | No. of Pos. | L Dim. | EACH |         |
|-----------|-------------|-------------|--------|------|---------|
|           |             |             |        | 1-99 | 100-495 |
| 512-6434  | 102537-5    | 14          | 0.700" | 1.26 | 1.15    |
| 512-6087  | 102537-8    | 20          | 1.000" | .39  | .35     |
| 512-6436  | 1-102537-0  | 24          | 1.200" | 1.26 | 1.15    |
| 512-6089  | 1-102537-1  | 26          | 1.300" | .39  | .35     |
| 512-6438  | 1-102537-3  | 30          | 1.500" | .43  | .39     |
| 512-6091  | 1-102537-5  | 34          | 1.700" | 1.26 | 1.15    |
| 512-6093  | 1-102537-8  | 40          | 2.000" | .95  | .86     |
| 512-6095  | 2-102537-3  | 50          | 2.500" | .95  | .86     |

**Non-polarizing Cover — Fig. D.** For shielded connectors or non-polarizing applications.

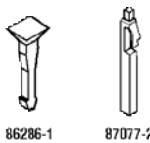
|          |            |    |        |      |      |
|----------|------------|----|--------|------|------|
| 512-6440 | 102541-1   | 6  | 0.300" | .24  | .22  |
| 512-6097 | 102541-2   | 8  | 0.400" | .42  | .38  |
| 512-6099 | 102541-3   | 10 | 0.500" | .24  | .22  |
| 512-6101 | 102541-5   | 14 | 0.700" | .41  | .37  |
| 512-6103 | 102541-6   | 16 | 0.800" | .30  | .27  |
| 512-6105 | 102541-8   | 20 | 1.000" | 1.20 | 1.09 |
| 512-6107 | 1-102541-1 | 26 | 1.300" | .70  | .63  |

### Back Covers — Fig. E

**Fig. E** — For use with the front covers to the left.

|          |            |    |        |      |      |
|----------|------------|----|--------|------|------|
| 512-6117 | 102536-3   | 10 | 0.500" | .27  | .24  |
| 512-6444 | 102536-4   | 12 | 0.600" | .97  | .88  |
| 512-6119 | 102536-5   | 14 | 0.700" | .88  | .80  |
| 512-6121 | 102536-6   | 16 | 0.800" | .74  | .66  |
| 512-6446 | 102536-7   | 18 | 0.900" | .68  | .62  |
| 512-6123 | 102536-8   | 20 | 1.000" | .34  | .31  |
| 512-6125 | 1-102536-1 | 26 | 1.300" | .49  | .45  |
| 512-6131 | 2-102536-3 | 50 | 2.500" | 1.35 | 1.21 |

## Keying Plugs



**Material:** Natural color nylon. For all AMPMODU® receptacles

|                                              |      |     |
|----------------------------------------------|------|-----|
| Type 86286-1. Plugs into receptacle contact. |      |     |
| 512-6070. 1-99                               | EACH | .13 |
| 100-499                                      | EACH | .11 |
| Type 87077-2. Plugs directly into housing.   |      |     |
| 512-6071. 1-99                               | EACH | .09 |
| 100-499                                      | EACH | .08 |

## Contact Extraction and Lance Reset Tool

Type 843996-3. For new style locking lance Mod. IV contacts.  
512-6073 ..... EACH 14.47

## Pistol Grip Tool



|                                                |      |        |
|------------------------------------------------|------|--------|
| Type 58074-1. Pistol grip-handle only.         |      |        |
| 512-9082 .....                                 | EACH | 75.48  |
| Type 58062-1. Modular head for MT receptacles. |      |        |
| 512-9083 .....                                 | EACH | 207.40 |