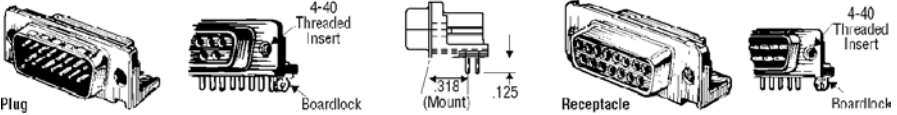


AMPLIMITE® Subminiature D Connectors

HD-20 Right Angle Posted D-Sub Connectors

Front Metal Shell

0.318 mount. 0.125" PC board posts. Plugs with grounding indents.



Plugs with Standard .125" Dia. Mounting Holes, without Boardlocks

| Stock No. | Mfr.'s Type | No. of Contacts | Plating Code* | EACH |       |         |
|-----------|-------------|-----------------|---------------|------|-------|---------|
|           |             |                 |               | 1-24 | 25-99 | 100-499 |
| 512-0427  | 747250-2    | 9               | A             | 4.19 | 3.77  | 3.15    |
| 512-0429  | 747236-2    | 15              | A             | 3.51 | 3.16  | 2.64    |
| 512-0431  | 747238-2    | 25              | A             | 3.69 | 3.23  | 2.96    |
| 512-0433  | 747252-2    | 37              | A             | 8.75 | 7.87  | 6.56    |

Plugs with 4-40 Threaded Inserts without Boardlocks

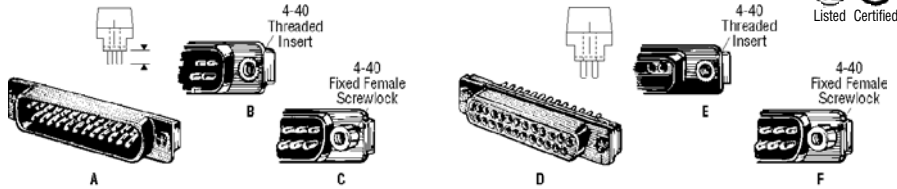
|          |          |    |   |       |      |      |
|----------|----------|----|---|-------|------|------|
| 512-0426 | 747250-4 | 9  | A | 1.90  | 1.71 | 1.42 |
| 512-0428 | 747250-3 | 9  | B | 4.01  | 3.61 | 3.01 |
| 512-0432 | 747236-4 | 15 | A | 5.30  | 4.77 | 3.98 |
| 512-0434 | 747238-4 | 25 | A | 3.38  | 3.04 | 2.53 |
| 512-0436 | 747238-3 | 25 | B | 10.09 | 9.08 | 7.56 |
| 512-0438 | 747252-4 | 37 | A | 9.20  | 8.28 | 6.90 |

Plugs with 4-40 Threaded Inserts, with Boardlocks

|          |          |    |   |      |      |      |
|----------|----------|----|---|------|------|------|
| 512-0442 | 747840-4 | 9  | A | 1.24 | 1.12 | .93  |
| 512-0444 | 747840-3 | 9  | B | 1.54 | 1.39 | 1.16 |
| 512-0446 | 747841-4 | 15 | A | 1.61 | 1.45 | 1.21 |
| 512-0450 | 747842-4 | 25 | A | 2.81 | 2.53 | 2.11 |
| 512-0138 | 747843-4 | 37 | A | 3.49 | 3.14 | 2.62 |
| —        | —        | —  | — | —    | —    | —    |

\*Contact Platings: A — .000030 gold on mating end, tin-lead on the termination end, with entire contact nickel underplated; B — gold flash on mating end, tin-lead on the termination end, with entire contact nickel underplated.

HD-20 Straight Posted Connectors D-Sub Connectors



Flame retardant thermoplastic housing. Pin contacts are brass; socket contacts are phosphor bronze. Both have plating options. Interchangeable with other HD-20 connectors. UL Recognized and CSA Certified.

All-Plastic

Plugs with .120" Dia. Standard Mounting Holes, .125" Post Length — Fig. A

| Stock No. | Mfr.'s Type | No. of Contacts | Plating Code* | EACH |       |         |
|-----------|-------------|-----------------|---------------|------|-------|---------|
|           |             |                 |               | 1-49 | 50-99 | 100-499 |
| 512-0488  | 208006-2    | 9               | A             | 2.88 | 2.59  | 2.16    |
| 512-0490  | 208007-2    | 15              | A             | 4.37 | 3.64  | 3.12    |
| 512-0494  | 208008-2    | 25              | A             | 6.30 | 5.72  | 5.25    |
| 512-0496  | 208008-1    | 25              | B             | 5.06 | 4.60  | 4.22    |
| 512-0500  | 208009-1    | 37              | B             | 7.20 | 6.00  | 5.14    |
| —         | —           | —               | —             | —    | —     | —       |

Plugs with 4-40 Threaded Inserts, .125" Post Length — Fig. B

|          |          |    |   |      |      |      |
|----------|----------|----|---|------|------|------|
| 512-0502 | 745051-2 | 9  | A | 4.15 | 3.73 | 3.11 |
| 512-0504 | 745051-1 | 9  | B | 5.30 | 4.77 | 3.98 |
| 512-0506 | 745052-1 | 15 | B | 5.96 | 4.96 | 4.25 |
| 512-0508 | 745053-2 | 25 | A | 8.05 | 7.24 | 6.04 |
| —        | —        | —  | — | —    | —    | —    |

Plugs with 4-40 Fixed Female Screwlocks, .125" Post Length — Fig. C

|          |          |    |   |      |      |      |
|----------|----------|----|---|------|------|------|
| 512-0516 | 745071-2 | 9  | A | 6.26 | 5.63 | 4.69 |
| 512-0518 | 745071-1 | 9  | B | 5.39 | 4.53 | 3.85 |
| 512-0522 | 745072-2 | 15 | A | 7.12 | 6.41 | 5.34 |
| 512-0524 | 745073-2 | 25 | A | 7.83 | 7.12 | 6.53 |
| 512-0526 | 745073-1 | 25 | B | 7.40 | 6.53 | 5.93 |
| 512-0532 | 745074-1 | 37 | B | 9.49 | 8.54 | 7.75 |
| —        | —        | —  | — | —    | —    | —    |
| —        | —        | —  | — | —    | —    | —    |

Front Metal Shell

Shell: Steel, tin plated.

Plugs with .120" Dia. Standard Mounting Holes, .125" Post Length

|          |           |    |   |      |      |      |
|----------|-----------|----|---|------|------|------|
| 512-0585 | 747871-2  | 9  | A | 2.77 | 2.49 | 2.07 |
| 512-0588 | 747872-4† | 15 | A | 3.33 | 3.00 | 2.50 |
| 512-0589 | 745968-2  | 25 | A | 4.28 | 3.86 | 3.21 |
| 512-0591 | 747375-2  | 37 | A | 6.69 | 6.02 | 5.01 |

\*Contact Platings: A — .000030 gold on mating end, tin-lead on the termination end, with entire contact nickel underplated; B — gold flash on mating end, tin-lead on the termination end, with entire contact nickel underplated. †.170" post length.

Receptacles with Standard .125" Dia. Mounting Holes, without Boardlocks

| Stock No. | Mfr.'s Type | No. of Contacts | Plating Code* | EACH |       |         |
|-----------|-------------|-----------------|---------------|------|-------|---------|
|           |             |                 |               | 1-24 | 25-99 | 100-499 |
| 512-0452  | 745781-2    | 9               | A             | 2.15 | 1.94  | 1.61    |
| 512-0454  | 745782-2    | 15              | A             | 4.92 | 4.43  | 3.69    |
| 512-0456  | 745783-2    | 25              | A             | 3.01 | 2.71  | 2.26    |
| —         | —           | —               | —             | —    | —     | —       |

Receptacles with 4-40 Threaded Inserts, without Boardlocks

|          |          |    |   |      |      |      |
|----------|----------|----|---|------|------|------|
| 512-0460 | 745781-4 | 9  | A | 1.65 | 1.48 | 1.24 |
| 512-0462 | 745781-3 | 9  | B | 2.02 | 1.81 | 1.51 |
| 512-0464 | 745782-4 | 15 | A | 2.02 | 1.81 | 1.51 |
| 512-0468 | 745783-4 | 25 | A | 2.38 | 2.14 | 1.79 |
| 512-0472 | 745783-3 | 25 | B | 4.67 | 4.20 | 3.50 |
| 512-0474 | 745784-4 | 37 | A | 4.96 | 4.47 | 3.72 |

Receptacles with 4-40 Threaded Inserts, with Boardlocks

|          |          |    |   |      |      |      |
|----------|----------|----|---|------|------|------|
| 512-0476 | 747844-4 | 9  | A | 1.47 | 1.32 | 1.10 |
| 512-0478 | 747845-4 | 15 | A | 1.27 | 1.14 | .95  |
| 512-0480 | 747845-3 | 15 | B | 1.21 | 1.09 | .91  |
| 512-0482 | 747846-4 | 25 | A | 2.22 | 2.00 | 1.67 |
| 512-0484 | 747846-3 | 25 | B | 2.02 | 1.81 | 1.51 |
| 512-0486 | 747847-4 | 37 | A | 4.96 | 4.47 | 3.72 |

Receptacles with .120" Standard Mounting Holes, .125" Post Length — Fig. D

| Stock No. | Mfr.'s Type | No. of Contacts | Plating Code* | EACH |       |         |
|-----------|-------------|-----------------|---------------|------|-------|---------|
|           |             |                 |               | 1-49 | 50-99 | 100-499 |
| 512-0534  | 207826-4    | 9               | A             | 2.99 | 2.69  | 2.24    |
| 512-0536  | 207826-3    | 9               | B             | 2.79 | 2.51  | 2.09    |
| 512-0538  | 207827-4    | 15              | A             | 4.61 | 4.19  | 3.84    |
| 512-0540  | 207827-3    | 15              | B             | 4.52 | 4.11  | 3.77    |
| 512-0542  | 207828-4    | 25              | A             | 4.90 | 4.41  | 3.67    |
| 512-0544  | 207828-3    | 25              | B             | 6.05 | 5.45  | 4.54    |
| 512-0546  | 207829-4    | 37              | A             | 7.30 | 6.57  | 5.47    |

Receptacles with 4-40 Threaded Inserts, .125" Post Length — Fig. E

|          |          |    |   |      |      |      |
|----------|----------|----|---|------|------|------|
| 512-0548 | 207841-4 | 9  | A | 4.15 | 3.73 | 3.11 |
| 512-0550 | 207841-3 | 9  | B | 3.92 | 3.53 | 2.94 |
| 512-0552 | 745057-4 | 15 | A | 4.83 | 4.35 | 3.62 |
| 512-0556 | 745058-4 | 25 | A | 6.12 | 5.51 | 4.59 |
| 512-0558 | 745058-3 | 25 | B | 5.45 | 4.96 | 4.13 |
| 512-0562 | 745059-4 | 37 | A | 8.47 | 6.99 | 6.39 |

Receptacles with 4-40 Fixed Female Screwlocks, .125" Post Length — Fig. F

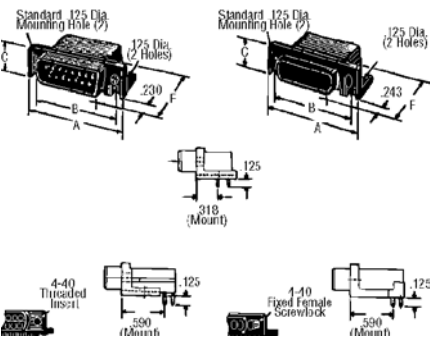
|          |           |    |   |       |       |      |
|----------|-----------|----|---|-------|-------|------|
| 512-0566 | 745076-4  | 9  | A | 4.13  | 3.71  | 3.09 |
| 512-0568 | 745076-3  | 9  | B | 3.60  | 3.24  | 2.70 |
| 512-0570 | 745076-6* | 9  | A | 5.79  | 4.83  | 4.14 |
| 512-0572 | 745077-4  | 15 | A | 5.30  | 4.77  | 3.98 |
| 512-0574 | 745077-3  | 15 | B | 6.22  | 5.19  | 4.44 |
| 512-0576 | 745078-4  | 25 | A | 6.30  | 5.67  | 4.73 |
| 512-0578 | 745078-3  | 25 | B | 5.26  | 4.73  | 3.94 |
| 512-0582 | 745078-5† | 25 | B | 7.51  | 6.26  | 5.36 |
| 512-0584 | 745079-4  | 37 | A | 11.09 | 10.08 | 9.15 |

Receptacles with .120" Dia. Standard Mounting Holes, .125" Post Length

|          |          |    |   |      |      |      |
|----------|----------|----|---|------|------|------|
| 512-0593 | 747150-2 | 9  | A | 2.86 | 2.57 | 2.14 |
| 512-0595 | 747299-2 | 15 | A | 3.40 | 3.06 | 2.55 |
| 512-0597 | 745967-2 | 25 | A | 4.62 | 4.16 | 3.47 |
| 512-0599 | 747301-2 | 37 | A | 8.21 | 7.45 | 6.15 |

HD-20 Right-Angle Posted, PC Board D-Subs

All Plastic Housing



Housing: Black thermoplastic, 94V-0 rated. Contacts: Phosphor bronze.

.318 Mount, .125" PC Board Posts

Receptacle with fixed female screwlocks.

| Stock No. | Mfr.'s Type | No. of Contacts | Plating Code* | EACH  |       |         |
|-----------|-------------|-----------------|---------------|-------|-------|---------|
|           |             |                 |               | 1-49  | 50-99 | 100-499 |
| 512-0338  | 745395-2    | 9               | A             | 4.53  | 4.08  | 3.40    |
| 512-0344  | 745397-2    | 25              | A             | 10.83 | 9.75  | 8.13    |

.590 Mount (Front Load), .125" PC Board Posts

Receptacle with unplated brass threaded inserts.

|          |          |    |   |      |      |      |
|----------|----------|----|---|------|------|------|
| 512-0349 | 747459-4 | 9  | A | 4.03 | 3.63 | 3.03 |
| 512-0350 | 747460-4 | 15 | A | 4.56 | 4.10 | 3.42 |
| 512-0352 | 747461-4 | 25 | A | 9.25 | 7.71 | 6.60 |

.590 Mount (Front Load), .125" PC Board Posts

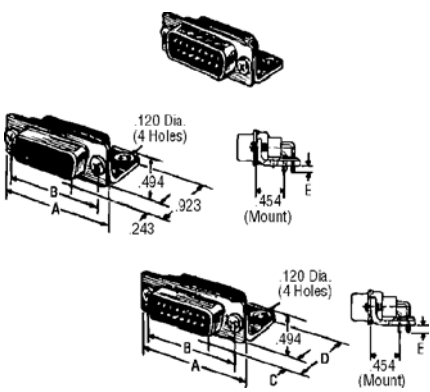
Plug with standard mounting holes (.120").

|          |           |    |   |       |       |       |
|----------|-----------|----|---|-------|-------|-------|
| 512-0356 | 747467-2  | 9  | A | 3.67  | 3.30  | 2.75  |
| 512-5900 | 747467-1  | 9  | B | 3.15  | 2.84  | 2.36  |
| 512-0358 | 747468-2  | 15 | A | 7.25  | 6.59  | 6.04  |
| 512-5902 | 748826-2  | 25 | B | 4.62  | 4.16  | 3.47  |
| 512-0362 | 747470-2  | 37 | A | 9.28  | 8.35  | 7.58  |
| 512-0364 | 206971-2† | 50 | A | 14.93 | 13.58 | 12.44 |
| 512-5904 | 206971-1† | 50 | B | 13.67 | 11.39 | 9.76  |

Receptacle with standard mounting holes (.120").

|          |           |    |   |       |       |       |
|----------|-----------|----|---|-------|-------|-------|
| 512-0366 | 747459-2  | 9  | A | 3.47  | 3.12  | 2.60  |
| 512-5907 | 747461-1  | 25 | B | 3.79  | 3.41  | 2.84  |
| 512-0372 | 747462-2  | 37 | A | 5.21  | 4.69  | 3.91  |
| 512-0374 | 206973-2† | 50 | A | 15.73 | 14.30 | 13.11 |

Front Metal Shell



.545" Mount, .125" PC Board Post

Plug with ground indents and standard screws.

|          |          |    |   |       |       |       |
|----------|----------|----|---|-------|-------|-------|
| 512-0388 | 745352-4 | 15 | A | 11.44 | 9.54  | 8.17  |
| 512-0392 | 745353-4 | 25 | A | 13.85 | 11.53 | 9.79  |
| 512-0397 | 745354-4 | 37 | A | 16.40 | 13.67 | 11.72 |
| 512-0398 | 745355-4 | 50 | A | 20.85 | 17.37 | 14.89 |

Receptacle with standard mounting screws.

|          |          |    |   |       |       |       |
|----------|----------|----|---|-------|-------|-------|
| 512-0402 | 745112-2 | 9  | A | 10.87 | 9.05  | 7.76  |
| 512-0422 | 745116-2 | 50 | A | 24.32 | 20.27 | 17.37 |
| 512-0424 | 745116-1 | 50 | B | 21.86 | 18.22 | 15.62 |

\*Contact Plating: A — .000030 gold on mating end, tin-lead on termination end, with entire contact nickel underplated; B — Gold on mating end, tin-lead on termination end, with entire contact nickel underplated. †Rear loading version.