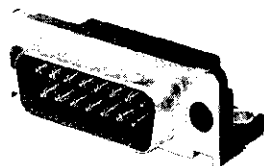


## HD-20 Front Metal-Shell Right Angle Posted Connectors 8.08 [.318] Mount

Post Size — 0.66 [.026] Dia. Plug



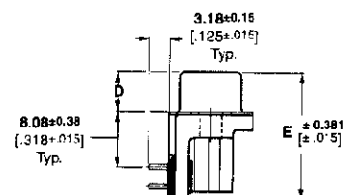
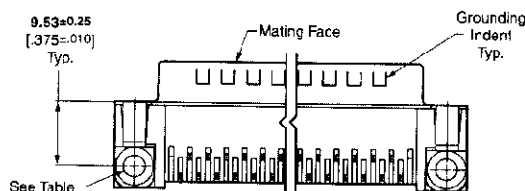
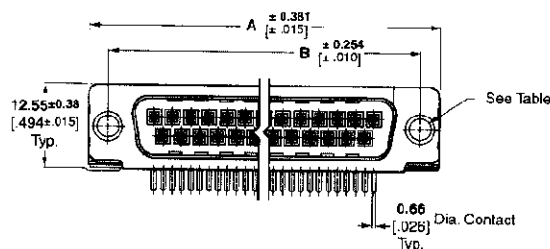
With Grounding Indents and Grounding Straps



With Threaded Insert



With Fixed Female Screwlock



### Material and Finish:

Front Shell — Steel, tin plated

Housing — 94V-0 rated thermoplastic black

Eyelets — Brass, tin plated

Threaded Inserts — Zinc

Female Screwlock — Zinc

Boardlocks — Copper alloy, tin-lead plated

Pin Contacts (Posted) — Brass, duplex plated as follows:

A — 0.00076 [.00030] gold on mating end, tin-lead on termination end, with entire contact nickel underplated

B — Gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated

### Technical Documents:

Product Specification — 108-40025

Application Specification — 114-40010

| Shell Size | No. of Contact Positions | Dimensions |       |      |       | Contact Finish (Plating Code) | Plug Part Numbers            |                       |                              |                              |                       |                              |
|------------|--------------------------|------------|-------|------|-------|-------------------------------|------------------------------|-----------------------|------------------------------|------------------------------|-----------------------|------------------------------|
|            |                          |            |       |      |       |                               | Without Boardlocks           |                       |                              | With Boardlocks              |                       |                              |
|            |                          | A          | B     | D    | E     |                               | With Standard Mounting Holes | With Threaded Inserts | With Fixed Female Screwlocks | With Standard Mounting Holes | With Threaded Inserts | With Fixed Female Screwlocks |
| 1          | 9                        | 30.81      | 24.99 | 5.97 | 18.62 | A                             | 747250-2                     | 747250-4              | 747250-6                     | 747840-2                     | 747840-4              | 747840-6                     |
|            |                          | 1.213      | .984  | .235 | .733  | B                             | —                            | 747250-3              | —                            | —                            | 747840-3              | 747840-5                     |
| 2          | 15                       | 39.14      | 33.33 | 5.97 | 18.62 | A                             | 747236-2                     | 747236-4              | 747236-6                     | 747841-2                     | 747841-4              | 747841-6                     |
|            |                          | 1.541      | 1.312 | .235 | .733  | B                             | —                            | 747236-3              | —                            | —                            | 747841-3              | —                            |
| 3          | 25                       | 53.04      | 47.04 | 5.84 | 18.75 | A                             | 747238-2                     | 747238-4              | 747238-6                     | 747842-2                     | 747842-4              | 747842-6                     |
|            |                          | 2.088      | 1.852 | .230 | .738  | B                             | 747238-1                     | 747238-3              | —                            | —                            | 747842-3              | 747842-5                     |
| 4          | 37                       | 69.32      | 63.50 | 5.84 | 18.80 | A                             | 747252-2                     | 747252-4              | —                            | 747843-2                     | 747843-4              | 747843-6                     |
|            |                          | 2.729      | 2.500 | .230 | .740  | B                             | —                            | —                     | —                            | —                            | 747843-3              | —                            |

Notes: 1. All plug connectors are preloaded with size 20 DF posted pin contacts.

2. Recommended PC board thickness is 1.58 [.062] for connectors with boardlocks and 2.36 [.093] max. for all others.