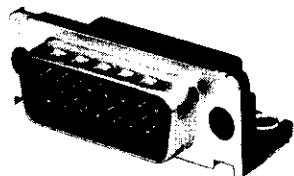


HD-20 Front Metal-Shell Right-Angle Posted Connectors 318 Mount

Post Size—.026 [0.66] Dia.

Plug



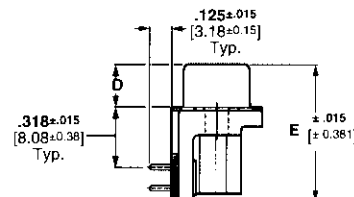
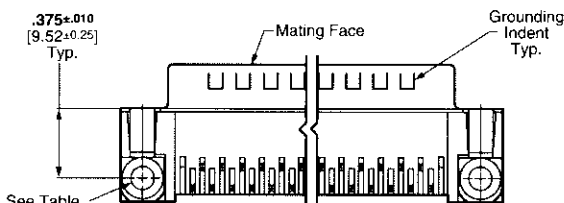
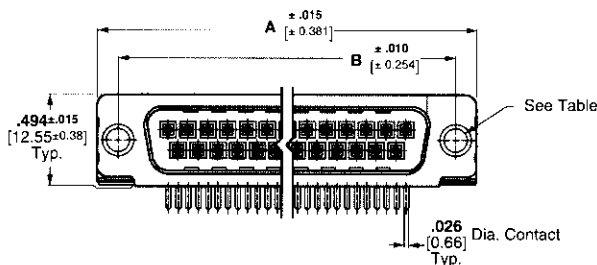
With Grounding Indents and Grounding Straps



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—.000030 [0.00076] 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
- See customer drawings for printed circuit board layouts.
- **Recognized under the Component Program of Underwriters Laboratories, Inc., File No. E28476** 
- **Certified by Canadian Standards Association, File No. LR 7189** 

.318 [8.08] Board Mount Footprint

| 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 | 1.213 30.81 | .984 24.99 | .235 5.97 | .733 18.62 | A | 747250-2 | 747250-4 | 747250-6 | 747840-2 | 747840-4 | 747840-6 |
| | | | | | | B | — | 747250-3 | — | — | 747840-3 | 747840-5 |
| 2 | 15 | 1.541 39.14 | 1.312 33.33 | .235 5.97 | .733 18.62 | A | 747236-2 | 747236-4 | 747236-6 | 747841-2 | 747841-4 | 747841-6 |
| | | | | | | B | — | 747236-3 | — | — | 747841-3 | — |
| 3 | 25 | 2.088 53.04 | 1.852 47.04 | .230 5.84 | .738 18.75 | A | 747238-2 | 747238-4 | 747238-6 | 747842-2 | 747842-4 | 747842-6 |
| | | | | | | B | 747238-1 | 747238-3 | — | — | 747842-3 | 747842-5 |
| 4 | 37 | 2.729 69.32 | 2.500 63.50 | .230 5.84 | .740 18.80 | A | 747252-2 | 747252-4 | — | 747843-2 | 747843-4 | 747843-6 |
| | | | | | | B | — | — | — | — | 747843-3 | — |

- Notes:**
- All plug connectors are preloaded with size 20 DF posted pin contacts.
 - Recommended pc board thickness is .062 [1.58] for connectors with boardlocks and .093 [2.36] max. for all others.
 - Male screw retainers are used as mating hardware for connectors with 4-40 female screwlocks.