

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

Post Size—.026 [0.66] Dia. Plug



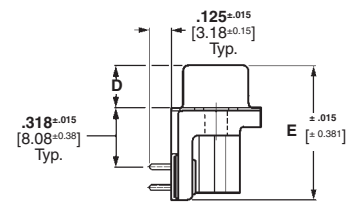
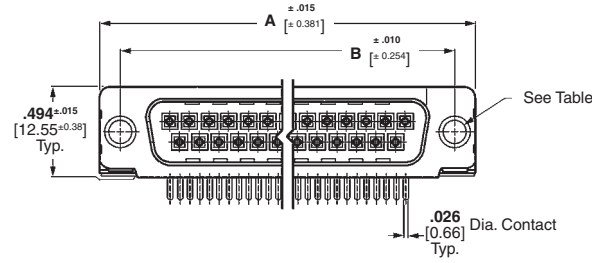
With Grounding Indents and Grounding Straps



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 plated
- Pin Contacts (Posted)**—Brass, duplex plated as follows:
A—.000030 [0.00076] gold on mating end, tin on termination end, with entire contact nickel underplated
B—Gold flash on mating end, tin 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**



Shell Size	No. of Contact Positions	Dimensions				Contact Finish (Plating Code)	Plug Part Numbers					
							Without Boardlocks			With Boardlocks		
							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	5747250-2	5747250-4	5747250-6	5747840-2	5747840-4	5747840-6
						B	—	5747250-3	—	—	5747840-3	5747840-5
2	15	1.541 39.14	1.312 33.33	.235 5.97	.733 18.62	A	5747236-2	5747236-4	5747236-6	5747841-2	5747841-4	5747841-6
						B	—	5747236-4	—	—	5747841-3	—
3	25	2.088 53.04	1.852 47.04	.230 5.84	.738 18.75	A	5747238-2	5747238-4	5747238-6	5747842-2	5747842-4	5747842-6
						B	5747238-2	5747238-3	—	—	5747842-3	5747842-5
4	37	2.729 69.32	2.500 63.50	.230 5.84	.740 18.80	A	—	5747252-4	—	5747843-2	5747843-4	5747843-6
						B	—	—	—	—	5747843-3	—

Notes: 1. All plug connectors are preloaded with size 20 DF posted pin contacts.
 2. Recommended pc board thickness is .062 [1.58] for connectors with boardlocks and .093 [2.36] max. for all others.
 3. Male screw retainers are used as mating hardware for connectors with 4-40 female screwlocks.

Note: All part numbers are RoHS compliant.

.318 [8.08] Board Mount Footprint

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

Post Size—.026 [0.66] Dia. Receptacle



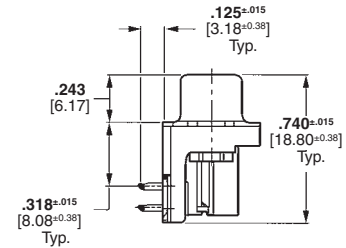
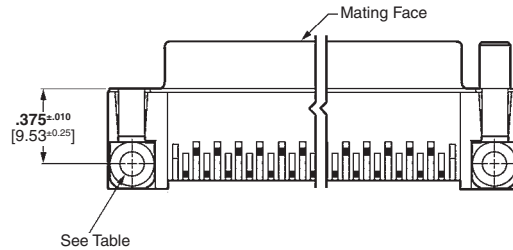
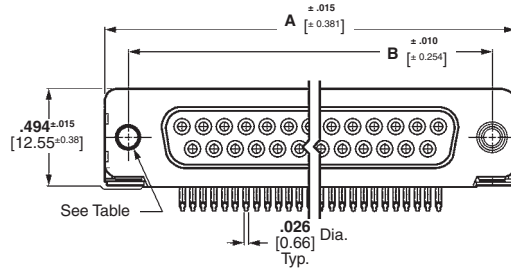
With Grounding Straps



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 plated
- Socket Contacts (Posted)**—Phosphor bronze, duplex plated as follows:
 - A**—.000030 [0.00076] gold on mating end, tin on termination end, with entire contact nickel underplated
 - B**—Gold flash on mating end, tin on termination end, with entire contact nickel underplated

Technical Documents:

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- Application Specification**—114-40010

Shell Size	No. of Contact Positions	Dimensions		Contact Finish (Plating Code)	Receptacle Part Numbers					
					Without Boardlocks			With Boardlocks		
					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	A	5745781-2	5745781-4	5745781-6	5747844-2	5747844-4	5747844-6
				B	—	5745781-3	—	—	5747844-3	5747844-5
2	15	1.541 39.14	1.312 33.33	A	5745782-2	5745782-4	5745782-6	—	5747845-4	5747845-6
				B	—	—	—	—	5747845-3	5747845-5
3	25	2.088 53.04	1.852 47.04	A	5745783-2	5745783-4	5745783-6	5747846-2	5747846-4	5747846-6
				B	—	5745783-3	5745783-5	—	5747846-3	5747846-5
4	37	2.729 69.32	2.500 63.50	A	5745784-2	5745784-4	5745784-6	—	5747847-4	5747847-6

- Notes:**
- All receptacle connectors are preloaded with size 20 DF posted socket 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.

Note: All part numbers are RoHS compliant.

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

Post Size—.026 [0.66] Dia.

Plug



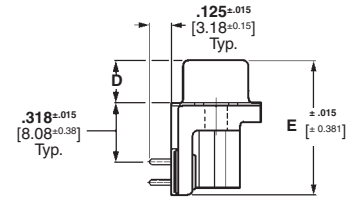
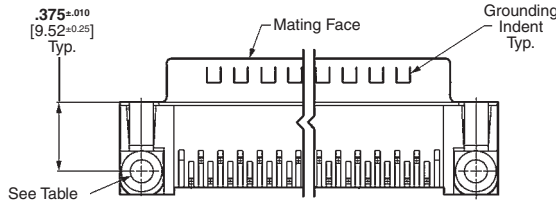
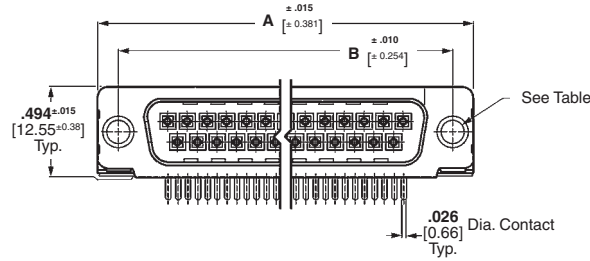
With Grounding Indents and Grounding Straps



With Threaded Insert



With Fixed Female Screwlock



Material and Finish:

- Front Shell**—Steel, tin plated
- Housing**—94V-0 rated thermoplastic, compatible with standard wave, vapor phase, and infra-red reflow (SMT) soldering, black
- Eyelets**—Brass, tin plated
- Threaded Inserts**—Zinc
- Female Screwlock**—Zinc
- Boardlocks**—Copper alloy, tin plated
- Pin Contacts (Posted)**—Brass, duplex plated as follows:
 - A**—.000030 [0.00076] gold on mating end, tin on termination end, with entire contact nickel underplated
 - B**—Gold flash on mating end, tin 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 With Boardlocks	
		A	B	D	E		With Threaded Inserts	With Fixed Female Screwlocks
1	9	1.213	.984	.235	.733	A	5788792-1	5788793-1
		30.81	24.99	5.97	18.62	B	5788792-2	5788793-2
3	25	2.088	1.852	.230	.738	A	5788794-1	5788795-1
		53.04	47.04	5.84	18.75	B	5788794-2	—

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

Note: All part numbers are RoHS compliant.

.318 [8.08] Board Mount Footprint

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

Post Size—.026 [0.66] Dia.

Receptacle



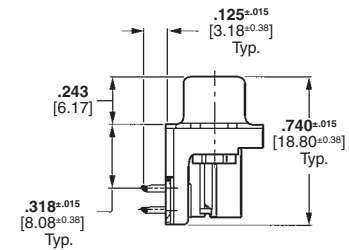
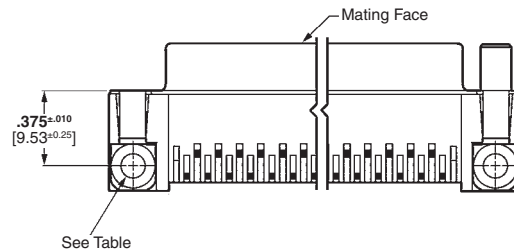
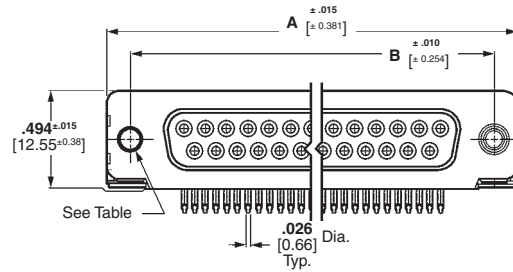
With Grounding Straps



With Threaded Insert



With Fixed Female Screwlock



Material and Finish:

Front Shell—Steel, tin plated

Housing—94V-0 rated thermoplastic, compatible with standard wave, vapor phase, and infra-red reflow (SMT) soldering, black

Eyelets—Brass, tin plated

Threaded Inserts—Zinc

Female Screwlock—Zinc

Boardlocks—Copper alloy, tin plated

Socket Contacts (Posted)—Phosphor bronze, duplex plated as follows:

A—.000030 [0.00076] gold on mating end, tin on termination end, with entire contact nickel underplated

B—Gold flash on mating end, tin 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)	Receptacle Part Numbers		
		A	B		Without Boardlocks		With Boardlocks
					With Fixed Female Screwlocks	With Threaded Inserts	With Fixed Female Screwlocks
1	9	1.213 30.81	.984 24.99	A	5788803-1	5788796-1	5788797-1
				B	—	5788796-2	5788797-2
2	15	1.541 39.14	1.312 33.33	A	—	5788798-1	5788799-1
				B	—	5788798-1	—
3	25	2.088 53.04	1.852 47.04	A	—	5788800-1	5788801-1
				B	—	5788800-2	5788801-2
4	37	2.729 69.32	2.500 63.50	A	—	5788802-1	—

- Notes:**
- All receptacle connectors are preloaded with size 20 DF posted socket contacts.
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