

Subminiature D Connectors HDF-20 for Flat Ribbon Cable

Product Facts

- Available in all 5 standard shell sizes
- Visual inspection of termination possible
- Fluted cover provides positive alignment of cable prior to termination
- Wide range of application tooling
- Patented insulation displacement contact latches into the connector cover
- Contact design provides a “gas-tight” termination
- Contacts accept 28 AWG [0.08mm²] solid and stranded, and 26 AWG [0.15mm²] solid and stranded round conductor flat ribbon cable on .050 [1.27] centers
- Qualified to Battelle Level III environment
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476 
- Certified by Canadian Standards Association, File No. LR 7189 
- Listed and complies with UL 1863, Communication Circuit Accessories File No. E81956 

Plug — Low Profile Metal Shell



Receptacle — Low Profile Metal Shell



No. of Pos. & (Shell Size)	Cable Stabilizer Part No.	Plug Part Nos.		Receptacle Part Nos.	
		With Standard Mounting Holes	With 4-40 Threaded Inserts	With Standard Mounting Holes	With 4-40 Threaded Inserts
9 (1)	747275-4	1658613-4	1658608-4	1658612-4	1658610-4
15 (2)	747275-3	1658613-3	1658608-3	1658612-3	1658610-3
25 (3)	747275-2	1658613-2	1658608-2	1658612-2	1658610-2
37 (4)	747275-1	1658613-1	1658608-1	1658612-1	1658610-1
50 (5)	746785-1	—	1658607-1	—	1658606-1

Note: All assemblies are supplied with housing and cover pre-assembled. Optional cable stabilizer must be ordered separately.

Material

Front Shell—Steel, tin or tin plated
Housing, Cover & Cable Stabilizer—Thermoplastic, 94V-0, black
Threaded Inserts—Brass, unplated
Contacts—Phosphor bronze, duplex plated .000030 [0.00076] min. gold on mating end, .000100-.000200 [0.00254-.000508] bright tin on termination end with entire contact underplated .000050 [0.00127] min. nickel

Related Product Data

Contact Arrangement—page 40
Performance Characteristics—page 41
Mateable Receptacles:
HDF-20 Metal-Shell—page 124
HDE—pages 110-121 (Sizes 1-4 only)
HDP—pages 90-109
HD-20 Board Mount—pages 54-71, 78-85, 87-89
Mating/Panel Mounting—page 126
Ribbon Cable—page 125
Accessories:
Commoning Strip—page 146
Mating Hardware—pages 146-150, 153 & 154
Application Tooling—page 127

Technical Documents

Product Specification—108-40012

Note: All part numbers are RoHS compliant.