

Personal Systems Products
Computer Industry

Input/Output (I/O) Connectors

HD-20 Front Metal Shell,
Right Angle Series II
(AMPLIMITE)
Subminiature D
Stacked Connectors

Material and Finish:

Front Shells – Steel, tin plated

Brackets – Zinc

Housings – Thermoplastic, 94V-0 rated, black

Eyelets – Brass, tin plated

Threaded Inserts – Zinc, die cast

Boardlocks – Copper alloy, tin-lead plated

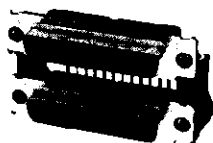
Female Screwlocks – Zinc, die cast

Contacts – Sockets are phosphor bronze. Pins are copper alloy duplex plated .000030 (.00076) gold on mating area; tin-lead on termination area; entire contact nickel underplate

Plating:

A. .000030 (.00076) min. gold on mating end; tin-lead on termination end; a 1 nickel underplated

B. Gold flash on mating end, 2.03 µm (.00080) min.; tin on soldertails, all over 0.89 µm (.00035) min.; nickel on entire contact



Receptacle over Receptacle

Receptacle over Receptacle

Shell Size	No. of Contact Positions	Part Numbers With Boardlocks	
		With Female Screwlocks	With Threaded Inserts
1	9/9	750586-4	750585-4
2	15/15	—	750587-4
3	25/25	750590-6	750589-6
4	37/37	—	750589-4

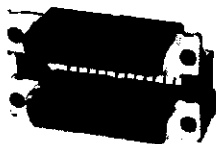
1.394 [35.41] high off pc board; all others are 1.214 [31.60] high off pc board



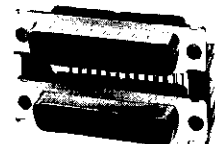
Plug over Plug

Plug over Plug

Shell Size	No. of Contact Positions	Plating Code	Description	Part Numbers With Boardlocks
1	9/9	A	With Female Screwlocks	750594-4
1	9/9	B	With Threaded Inserts	788626-1
3	25/25	A	With Female Screwlocks	750598-4
3	25/25	A	With Threaded Inserts	750597-4



Receptacle over Plug



Plug over Receptacle

Receptacle over Plug

Shell Size	No. of Contact Positions	Plating Code	Part Numbers With Boardlocks With Threaded Inserts
3	25/25	A	750613-4

Plug over Receptacle

Shell Size	No. of Contact Positions	Plating Code	Part Numbers With Boardlocks With Threaded Inserts
3	25/25	A	750601-4

Notes:

- All connectors are preloaded with size 20 DF posted contacts
- Recommended pc board thickness is .062 [1.58] for connectors with boardlocks and .063 [2.35] max. for all others
- Male screw retainers are used as mating hardware for connectors with 4-40 female screwlocks

Note:

BLUE part numbers indicate 2D geometry and 3D CAD models that are included on CD-ROM.

Product Facts:

- Stacked pcb connectors save board real estate
- Wide choice of configurations available
- Front Metal-Shells for EMI/RFI shielding
- Housings made of UL 94V-0 rated thermoplastic
- Intermateable with other subminiature D connectors
- Plug connectors have built-in grounding indents
- Choice of 4-40 threaded insert or female screwlock mating hardware
- Configurations available with boardlocks
- Hybrid styles provide maximum selectivity and permit mixing of signal speeds
- Packaged in plastic trays for ease of handling

