Personal Systems Products

Computer Industry

Input/Output (I/O) Connectors

Subminiature D Connectors .050 Series Series III (AMPLIMITE) (Continued)

Material:
Housing and Covers – Thermoplastic, 94V-0, black
Shell – Steel, plated tin-nickel alloy over copper (shielded only)
Contacts – Phosphor bronze, plated .000030 [0.00076] min. gold on mating end, .000120 [0.00305] min. tin-lead on solder end, al .000050 [0.00127] min. nickel underplate

Cable Plugs and Receptacles — Shielded and Unshielded with Standard Termination Covers

No. of Pos.	Part Numbers				
	Plug			Receptacle	
	Shielded		Unshielded	Shielded	
	Assembled Covers	Unassembled Covers	Assembled Covers	Assembled Covers	Unassembled Covers
40	–	749621-4	–	–	749699-4
50	749111-4	749621-5	749925-3	–	749699-5
68	749111-6	749621-7	749925-5	749210-7	749699-7
80	–	749621-8	–	–	–
100	–	749621-9	–	–	749699-8

Note: Shielded connectors require backshell kits (shown below) for complete assembly.

Plug

Shielded

Shown with Covers Assembled

Plug

Unshielded

Shown with Covers Assembled

Receptacle

Shielded

Shown with Covers Assembled

Material:
Backshell – Zinc, plated nickel over copper
Strain Relief Staple – Steel, plated tin over nickel
Jackscrews – Steel, plated black zinc
Jackscrew Caps – Polyolefin or PVC, black
2-56 Screws – Stainless steel
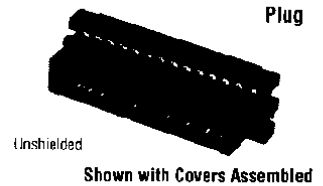
Backshell Kits with Jackscrews

No. of Pos.	Part Numbers With Male 2-56 Threads
50	749080-1
100	749081-1
100	749854-1*

*Part No. 749854-1 slightly larger than Part No. 749081-1

Straight Exit with Male Jackscrews

Material:
Backshell – Zinc, plated nickel over copper
**Strain Relief Staple** – Steel, plated tin over nickel
Spring Latches – Stainless steel
2-56 Screws – Stainless steel

Backshell Kits with Spring Latches

No. of Pos.	Part Numbers		
	Straight Style A	Straight Style B	Angled Latches
40	749192-1	–	–
50	749193-2	749889-3	749202-2
68	–	–	749204-1
68	749195-2*	–	749204-2*
80	749196-2	–	–
100	–	–	749206-1

*Part Nos. 749195-2 and 749204-2 have larger cable O.D.

Style A

Style B

Angled

Material:
Backshell – Zinc
Staple – Steel, plated tin over nickel
Boot – PVC, black
Jackscrews – Stainless steel, PVC
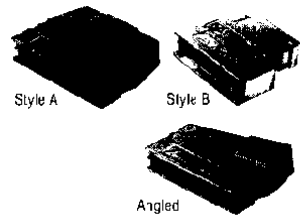
Shielded Enclosure Kits with Male Jackscrews

No. of Pos.	Part Number Enclosure Kit with Male Jackscrews
68	750752-*

Note: Each enclosure kit contains two backshells, one boot, two jackscrews, one staple and two 2-56 screws.

Enclosure Kit, Shown Assembled

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

Personal Systems Products

Input/Output (I/O) Connectors