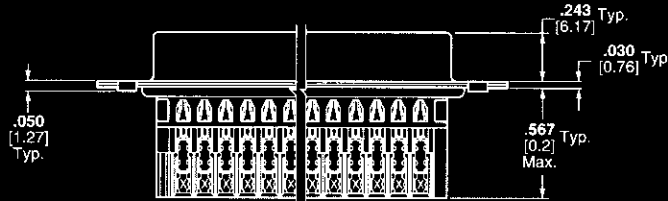
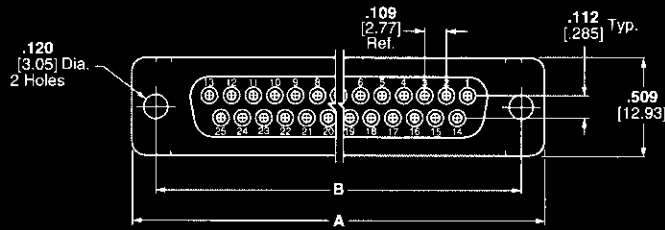
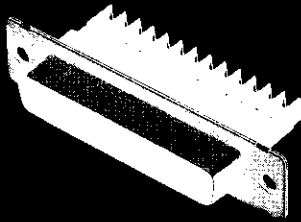


HDE-20 Metal-Shell IDC Connectors (Continued)

Receptacle



Material and Finish:

Shell—Steel, tin plated
Insert—94V-0 rated thermoplastic, black
Contacts—Phosphor bronze
Contact Finish—Duplex plated:
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

Related Product Data:

- Contact Arrangements**—page 41
- Performance Characteristics**—page 42
- Interchangeable Crimp Snap-In Contacts**—page 126
- Application Tooling**—pages 126-128
- Mateable Connectors:**
- HDP**—pages 95-102
- HD-20 Board Mount**—pages 55-72, 83-90, 92-94
- Mating/Panel Mounting**—page 43
- Cable Clamps**—pages 137, 138, 140-142, 145, 146, 149, 150
- Mating Hardware**—pages 151-155, 158, 160

Technical Documents:

- Product Specification**—108-40011
- Application Specifications**—114-40002, 114-40003
- Instruction Sheet**—408-6645
- Note:** Instruction Sheets for AMP Tooling are packaged with the tooling. For additional information call the Tooling Assistance Center: **1-800-722-1111**.

Shell Size	No. of Contact Positions	Dimensions		Contact Finish (Plating Code)	Connector Part Numbers		
					Contact Identification No. 1 for 30-26 AWG [0.05-0.15mm ²] Wire	Contact Identification No. 2 for 26-22 AWG [0.15-0.4mm ²] Wire	Contact Identification No. 3 for 22-20 AWG [0.4-0.6mm ²] Wire
					Receptacle	Receptacle	Receptacle
1	9	1.213 30.81	.984 24.99	A	745491-1	745491-2	745491-3
				B	—	745491-5	—
2	15	1.541 39.14	1.312 33.33	A	745493-1	745493-2	—
				B	—	745493-5	—
3*	25	2.088 53.04	1.852 47.04	A	745495-1	745495-2	745495-3
				B	—	745495-5	—
4	37	2.729 69.32	2.500 63.50	A	745497-1	745497-2	—
				B	—	745497-5	—

* RS-232, size 3 connector, for 26-22 [0.15-0.4mm²] AWG wire select loaded circuits 1-8,15,17, 20 and 22, Plug Part No. 747740-1, Receptacle Part No. 747741-1, gold flash contacts.

- Notes:**
1. All connectors are preloaded with insulation displacement contacts. Pins in plug connectors and sockets in receptacle connectors. Contacts accept a max. wire insulation thickness of .015 [0.38] and a max. wire insulation dia. of .060 [1.52].
 2. Connectors can be made available with clinch nuts, contact Tyco Electronics.
 3. HDE connectors are designed for terminating solid or stranded (7-strand max.) wire.
 4. Individual conductor strands should be larger than .005 inch [0.127] diameter.
 5. Extraction Tool Part No. 91232-1 (Instruction Sheet 408-6631) is used to remove pin or socket contacts.
 6. For terminating more than one wire, or a drain wire, use crimp contacts on page 126.

Cable Connectors