

2.0 mm [.079] Receptacle Connectors

Product Facts

- True hard metric 2.0 x 2.0 [.079 x .079] mating grid for 1.0 [.039] pitch ribbon cable
- Wide selection of configurations, 8-50 positions
- Insulation displacement (IDC), beryllium copper contacts, duplex plated gold-over-nickel
- Top/bottom single beam contact orientation
- UL 94V-0 rated thermo-plastic components
- Assemblies are furnished preassembled with termination covers
- Optional polarization
- Optional strain relief available
- Connector assemblies packaged for ease of handling and protection
- Recognized under the Component Program of the Underwriters Laboratories, Inc. UL File No. E28476
- Certified by the Canadian Standards Association, File No. LR 7189

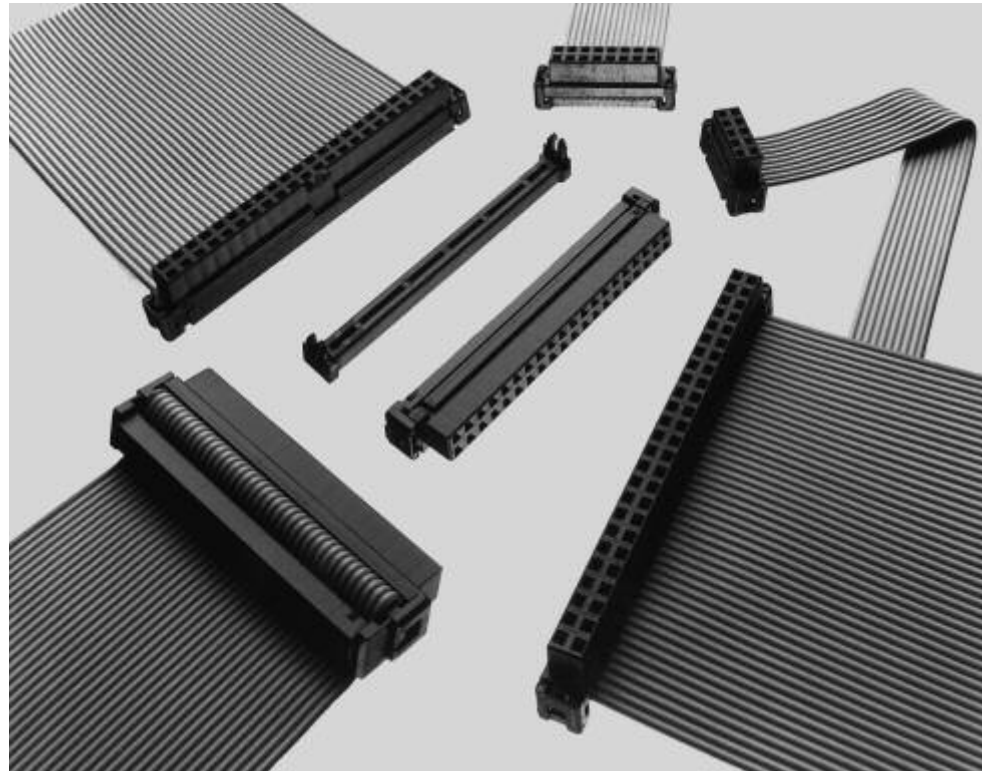


Performance Data

- Durability** — 150 cycles
- Termination Resistance** — 25 milliohms max.
- Mating Force** — 1.67 N max. per contact
- Unmating Force** — 0.14 N min. per contact
- Operating Temperature** — -65°C to +105°C

Technical Documents

- Product Specification**
108-1372
- Application Specification**
114-40038



The 2.0 [.079] receptacle connector family features contacts on a true 2.0 x 2.0 [.079 x .079] mating grid for 1.0 [.039] pitch 28 AWG ribbon cable. A variety of configurations are available from 8 through 50 positions. This small, compact connector is finding wide acceptance throughout the electronic industry, particularly in the smaller laptop and notebook type computers with 63.5 [2.5] drives. Other areas of application include point-of-sale terminals, fax machines, photocopiers, printers, consumer electronics, and other computer peripheral equipment. These receptacles feature insulation displacement contacts (IDC) with a top/bottom single-beam contact orientation. Contacts are beryllium copper, duplex plated 0.00076 [.000030] gold

in the mating area and 0.00254 [.000100] min. tin on termination end, all over 0.00127 [.000050] nickel underplating. Contact mating area is 1.54 [.061] from the face of the housing and they accept 0.50mm [.0197] round or square posts.

Housings are made of UL 94V-0 rated polyester with optional center bar polarization. Complete assemblies are furnished preassembled with termination covers. The complete assembly presents a compact design only 5.2 [.203] wide over the termination cover by 4 [.157] deep by 4 [.157] wide mating end. Terminated height is 8.48 [.334]. Optional strain relief available. Assemblies are packaged for ease of handling and protection.

2.0 mm [.079] Receptacle Connectors, Non-Polarized and Center Polarized Bar

Material and Finish

Housing and Termination Cover — UL 94V-0 rated polyester, black

Contacts — Beryllium copper, duplex plated 0.00076 [.000030] min. gold on mating end, 0.00013 [.000005] min. gold on termination end, all underplated 0.00127 [.000050] min. nickel

Note: Accepts 0.08-0.09mm² [28 AWG] ribbon cable, PVC insulated 1.00 [.039] pitch. See Application Specification for details.

Technical Documents

Product Specification

108-1372

Application Specification

114-40038

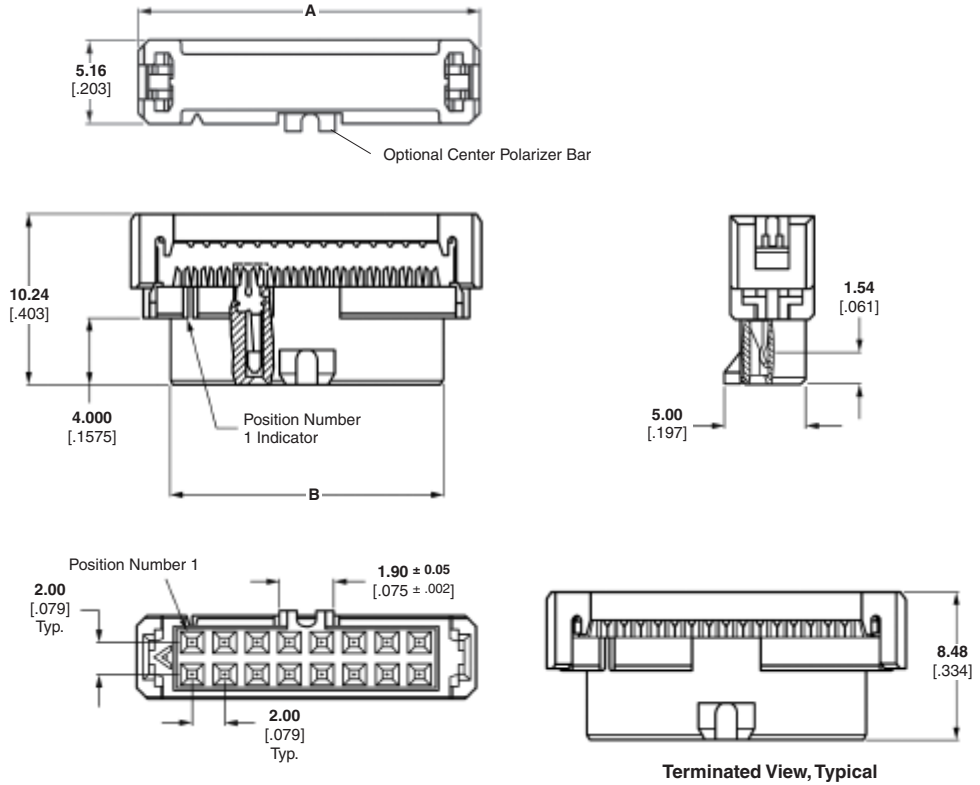
Mateable Connectors — pages 9 and 12, or see Application Specification for header requirements

Accessories

Pull Loops — page 66

Keying Plugs — page 64

Strain Relief — page 68



.039 [1.00] Centerline Ribbon Cable Connectors
.079 [2.00] Receptacle Connectors

No. of Positions	Dimensions		Center Polarized	Non-Polarized
	A	B		
8	13.18 .519	8.41 .331	3-111623-0	2-111626-4
10	15.16 .597	10.41 .410	1-111623-8	1-111626-7
12	17.15 .675	12.40 .488	3-111623-1	—
14	19.18 .755	14.40 .567	1-111623-9	1-111626-8
16	21.18 .834	16.41 .646	2-111623-0	2-111626-5
20	25.17 .991	20.40 .803	2-111623-1	1-111626-9
22	27.18 1.070	22.40 .882	2-111623-9	—
24	29.18 1.149	24.41 .961	2-111623-7	2-111626-6
26	31.17 1.227	26.42 1.040	2-111623-2	2-111626-7
30	35.18 1.385	30.40 1.197	2-111623-3	—
34	39.17 1.542	34.42 1.355	2-111623-8	2-111626-0
40	45.19 1.779	40.41 1.591	2-111623-4	2-111626-1
44	49.17 1.936	44.40 1.748	2-111623-5	2-111626-2
50	55.17 2.172	50.39 1.984	2-111623-6	2-111626-3

Note: All part numbers are RoHS compliant.