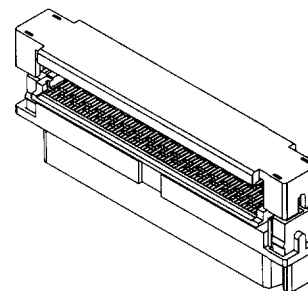


molex® 1.27mm (.050") Pitch EBBI™ 50D Receptacle

Storage Devices



71660
Vertical
IDT



FEATURES AND SPECIFICATIONS

Features and Benefits

- Polarized D-shaped leaf-contact connector for wire-to-board packaging
- Terminates to 30 AWG solid or stranded .025" ribbon cable or laminated discrete wire cable (including high-performance FEP cable)
- Card slot accommodates standard .062" PCB
- Polarizing key orients connector to PCB
- Selectively Gold plated to control costs
- Meets VESA standards for connecting advanced video and graphics cards (68 and 80 circuits)

Electrical

Voltage: 30V
Current: 1.0A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 MΩ min.

Mechanical

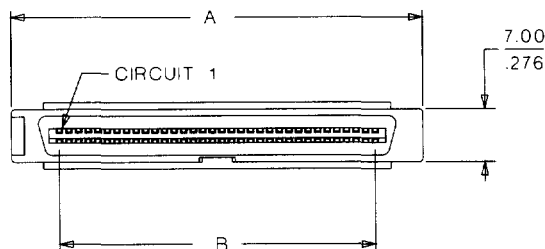
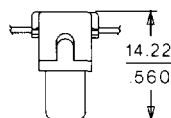
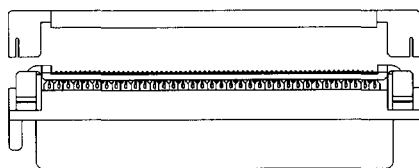
Contact Retention to Housing: 500g min.
Mating Force: 90g max.
Unmating Force: 15g min.
Normal Force: 90g
Durability: 500 cycles min.

Physical

Housing: Thermoplastic, UL 94V-0
Contact: Copper Alloy
Plating: 30μ" min. Gold over Nickel in contact area,
100μ" min. Tin/Lead over Nickel on tails
Temperature: -40 to +105°C
Wire Range: 30 AWG solid or stranded Tinned Copper

Reference Information

Product Specification: PS-71662
Packaging: Tray (subassembly) and bag (cover)
Tooling Information: Ribbon cable manual press and tool kit
UL File No.: E29179
CSA File No.: LR19980-239A
Mates With: 71661
Designed In: Inches



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
30	• 15-92-3030	30.35 (1.195)	19.68 (.775)
40	• 15-92-3040	36.70 (1.445)	26.04 (1.025)
50	• 15-92-3050	43.05 (1.695)	32.38 (1.275)
60	• 15-92-3060	49.40 (1.945)	38.74 (1.525)
68	• 15-92-3068	54.48 (2.145)	43.81 (1.725)
80	• 15-92-3080	62.10 (2.445)	51.43 (2.025)

• US Standard Product, available through Molex franchised distributors