

# molex<sup>®</sup> FCC 68 Modular Plug

## 87031

### FEATURES AND SPECIFICATIONS

#### Features and Benefits

- Double strain relief construction
- Available in strip mounted and loose piece
- To terminate flat oval telephone cord to REA Bulletin 345-80, PE 75

#### Electrical

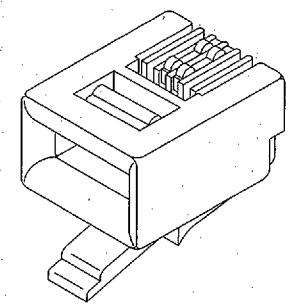
Voltage: 125V  
 Current: 1.5A  
 Contact Resistance: 20mΩ max.  
 Dielectric Withstanding Voltage: 1000V AC rms  
 Insulation Resistance: 500 MΩ min.

#### Physical

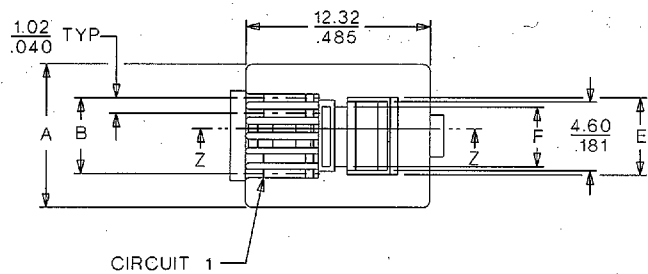
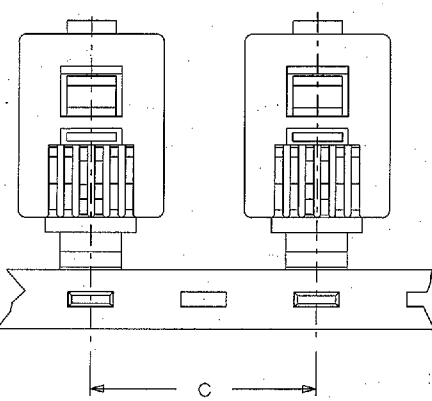
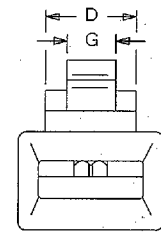
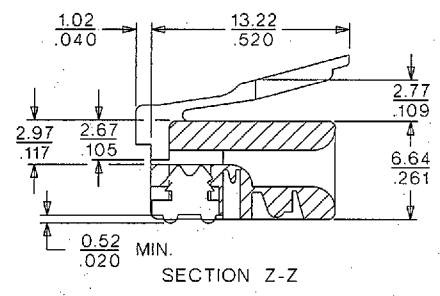
Housing: Natural polycarbonate, UL 94V-2  
 Contact: Phosphor Bronze  
 Plating: See Table  
 Temperature: -40 to +60°C

#### Reference Information

Product Specification: PS-87031  
 Packaging: Strip mounted and loose piece  
 Tooling Information: See pages O-40 to O-44  
 UL File No.: E107635(N)  
 Mates With: FCC 68 jacks  
 Designed In: Inches



Plugs and Jacks



### ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.						Dimension			
		Strip Mounted			Loose Piece			A	B	E	F
		Plating No. 1	Plating No. 2	Plating No. 3	Plating No. 1	Plating No. 2	Plating No. 3				
4	4	87031-0412	87031-0422	87031-0432	87031-0413	87031-0423	87031-0433	7.62 (.300)	3.05 (.120)	5.21 (.205)	4.60 (.181)
6	2	87031-0614	87031-0624	87031-0634	87031-0615	87031-0625	87031-0635	9.65 (.380)	5.08 (.200)	5.21 (.205)	4.60 (.181)
6	4	87031-0616	87031-0626	87031-0636	87031-0617	87031-0627	87031-0637	9.65 (.380)	5.08 (.200)	5.21 (.205)	4.60 (.181)
6	6	87031-0618	87031-0628	87031-0638	87031-0619	87031-0629	87031-0639	9.65 (.380)	5.08 (.200)	6.98 (.275)	4.60 (.181)

Plating No. 1: 0.76μm (30μ") min. Gold in contact area, 1.27μm (50μ") min. Tin/Lead in pierce area both over 1.27μm (50μ") min. Nickel  
 Plating No. 2: 1.27μm (50μ") min. Gold in contact area, 1.27μm (50μ") min. Tin/Lead in pierce area both over 1.27μm (50μ") min. Nickel  
 Plating No. 3: 0.38μm (15μ") min. Gold in contact area, 1.27μm (50μ") min. Tin/Lead in pierce area both over 1.27μm (50μ") min. Nickel