

FEATURES AND SPECIFICATIONS

Features and Benefit

- Sizes 2 to 25 circuits
- Preloaded, single-piece construction allows for fully automated termination
- Packaged in plastic tubes to allow for automated manufacturing and to minimize product handling
- Back ribs maintain position of connector assembly in clips; prevents lateral movement when another assembly is removed
- End-to-end stackable inside a single row panel mount connector to form a larger single row connector
- Back-to-back and end-to-end stackable inside a dual row panel mount connector to form a dual row connector

Reference Information

Product Specification: PS-70475

Packaging: Tube

UL File No.: E29179

CSA File No.: LR19980

Mates With: 70018, 70022 and 70104

Use With Molex Cable: 7307, 7767, 8996, 8997, 24226, 24241, 24369 and 24389

Designed In: Inches

Electrical

Voltage: 250V

Current: 1.2A—28 AWG; 1.8A—26 AWG

3.0A—24 AWG; 3.0A—22 AWG

Contact Resistance: 15mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 10,000 MΩ min.

Mechanical

Contact Retension to Housing: 17.79N (4 lb) min. for 15 sec

Mating Force: Gold—3.08N (.70 lb) per circuit;

Tin—4.15N (.93 lb) per circuit

Unmating Force: Gold—.65N (.15 lb) per circuit;

Tin—2.47N (.55 lb) per circuit

Durability: Gold—50 cycles; Tin—25 cycles

Physical

Housing: Black glass-filled polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: See Table

Operating Temperature: -40 to +105°C

Insulation and Wire Gauge Range: .053" max. with 22 to 28

AWG stranded discrete wire or flat ribbon cable

Pin Height: 300" max. to .280" min. (measured from top of housing or PCB to top of pin)



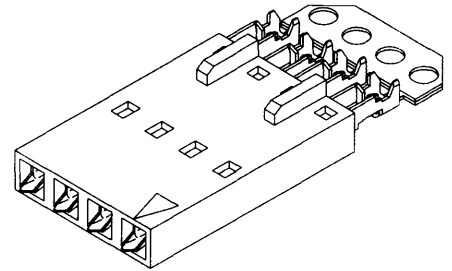
2.54mm (.100") Pitch

SL™

Insulation Displacement Connector Assembly

70475

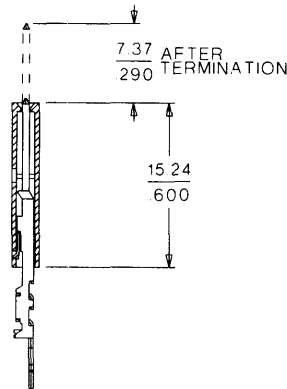
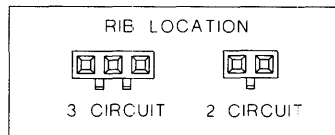
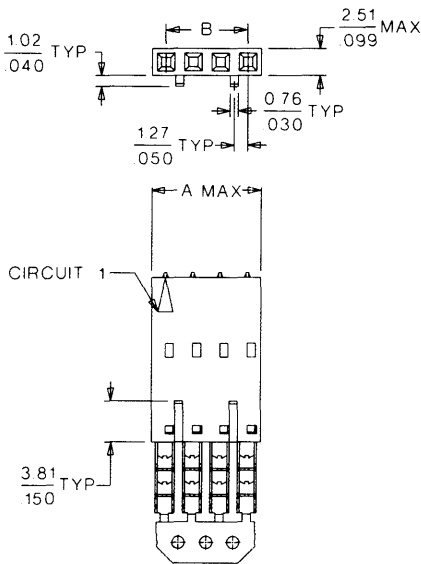
Male, Single Row Version D, Back Ribs



C

2.54mm (.100") Pitch

CATALOG DRAWING (FOR REFERENCE ONLY)



Not For Use With C-Grid III™ Components

Wire Gauge Chart

Code Stamped on Terminals	Wire Gauge (AWG)
A	24
B	26
C	28
D	22

Note: 2 circuit housings are preloaded in pairs

Plating Code (Stripe on Carrier Strip)

Plating	Color
Tin/Lead	None
15μ" Gold	Yellow
30μ" Gold	Red

Delivered on a carrier with 20 pieces per strip.

Actual Size



Universal Polarizing Pin

40713-1

Order No. 15-04-0292

ORDERING INFORMATION AND DIMENSIONS

Circuits	Dimension	
	A	B
2	5.05 (.199)	2.54 (.100)
3	7.59 (.299)	5.08 (.200)
4	10.13 (.399)	7.62 (.300)
5	12.67 (.499)	10.16 (.400)
6	15.21 (.599)	12.70 (.500)
7	17.75 (.699)	15.24 (.600)
8	20.29 (.799)	17.78 (.700)
9	22.83 (.899)	20.32 (.800)
10	25.37 (.999)	22.86 (.900)
11	27.91 (1.099)	25.40 (1.000)
12	30.45 (1.199)	27.94 (1.100)
13	32.99 (1.299)	30.48 (1.200)

Circuits	Dimension	
	A	B
14	35.53 (1.399)	33.02 (1.300)
15	38.07 (1.499)	35.56 (1.400)
16	40.61 (1.599)	38.10 (1.500)
17	43.15 (1.699)	40.64 (1.600)
18	45.69 (1.799)	43.18 (1.700)
19	48.23 (1.899)	45.72 (1.800)
20	50.77 (1.999)	48.26 (1.900)
21	53.31 (2.099)	50.80 (2.000)
22	55.85 (2.199)	53.34 (2.100)
23	58.39 (2.299)	55.88 (2.200)
24	60.93 (2.399)	58.42 (2.300)
25	63.47 (2.499)	60.96 (2.400)

Wire Accommodation (AWG)	Order No.		
	15μ" Gold	30μ" Gold	150μ" Tin/Lead
28	14-44-21XX	14-44-49XX	14-45-18XX
26	14-44-16XX	14-44-29XX	14-45-06XX
24	• 14-44-12XX	14-44-25XX	14-45-02XX
22	14-44-53XX	14-44-54XX	14-44-52XX

Replace XX with no. of circuits, 02-25

• US Standard Product, available through Molex franchised distributors

Housing version D mates with female connectors when used in panel mount