

FEATURES AND SPECIFICATIONS

Features and Benefits

- 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 and prevent lateral movement when another assembly is removed
- End-to-end stackable inside a single row interim clip to form a larger single row connector
- Back-to-back and end-to-end stackable inside a dual row interim clip to form a dual row connector

Reference Information

Product Specification: PS-70400

Packaging: Tube

UL File No.: E29179

CSA File No.: LR19980

Mates With: 70004, 70013 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: .320" max. to .200" min. (measured from top of housing or PCB to top of pin)



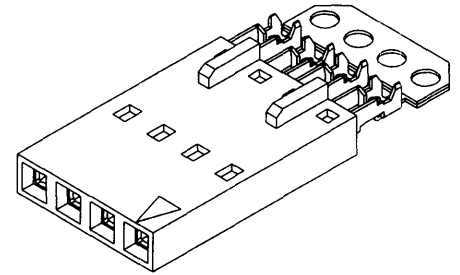
2.54mm (.100") Pitch

SL™

Insulation Displacement Connector Assembly

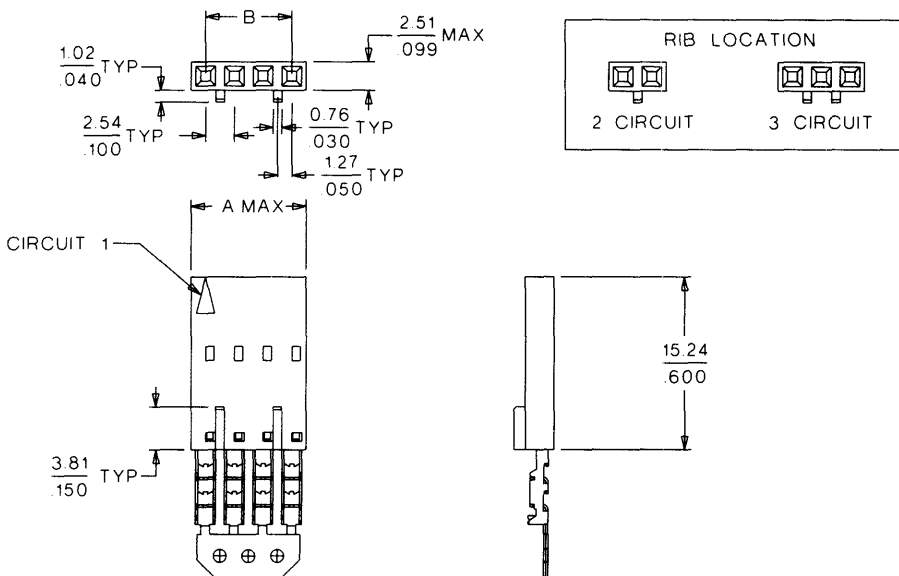
70400

Female, Single Row Version D, Back Ribs



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 assemblies supplied as grouped pairs

Plating Code (Stripe on Carrier Strip)

Plating	Color
Tin/Lead	None
15μm Gold	Yellow
30μm Gold	Red

Note: The circuit 1 indicator for the 70400D will be superseded by the circuit 1 indicator of the 70004 and 70013 interim clips

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 (1.99)	2.54 (1.00)
3	7.59 (2.99)	5.08 (2.00)
4	10.13 (3.99)	7.62 (3.00)
5	12.67 (4.99)	10.16 (4.00)
6	15.21 (5.99)	12.70 (5.00)
7	17.75 (6.99)	15.24 (6.00)
8	20.29 (7.99)	17.78 (7.00)
9	22.83 (8.99)	20.32 (8.00)
10	25.37 (9.99)	22.86 (9.00)
11	27.91 (10.99)	25.40 (10.00)
12	30.45 (11.99)	27.94 (11.00)
13	32.99 (12.99)	30.48 (12.00)

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.		
	15μm Gold	30μm Gold	150μm Tin/Lead
28	14-56-3XX9	14-56-4XX5	14-60-1XX2
26	14-56-3XX7	14-56-4XX3	14-60-1XX0
24	14-56-3XX4	14-56-4XX1	14-60-0XX8
22	14-56-7XX6	14-56-8XX1	14-56-7XX1

Replace XX with no. of circuits, 02-25