

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 12 circuits
- Positive latching system
- Polarized
- Built-in strain relief
- Feed-through daisy chain capability

Reference Information

Product Specification: PS-71690 -001

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Tooling Information: See end of section

Mates With: 71694 receptacle

Designed In: Inches

Electrical

Voltage: 600V

Current: Receptacle and header

Wire Gauge	2 Circuit	3 to 12 Circuit
18	6.25	5.00
20	5.50	4.75
22	4.75	4.25
24	4.50	4.00

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 2200V AC

Insulation Resistance: 1000 MΩ min.

Mechanical

Contact Retention to Housing: 74N (16.64 lb) min.

Wire Pull-Out Force: 23N (5.17 lb) min.

Mating Force: 6.86N (1.54 lb) max.

Unmating Force: 3.92N (.89 lb) min.

Durability: 30 cycles

Physical

Housing: Unfilled polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: See table

Operating Temperature: -40 to +105°C



4.20mm (.165") Pitch

Mini-Fit, IDT™

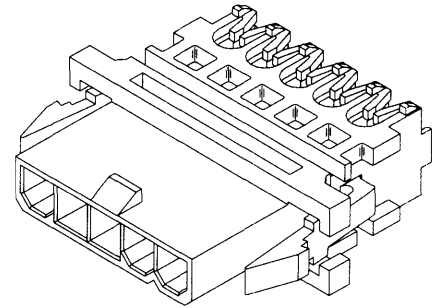
Wire-to-Wire

Plug

71690

Single Row

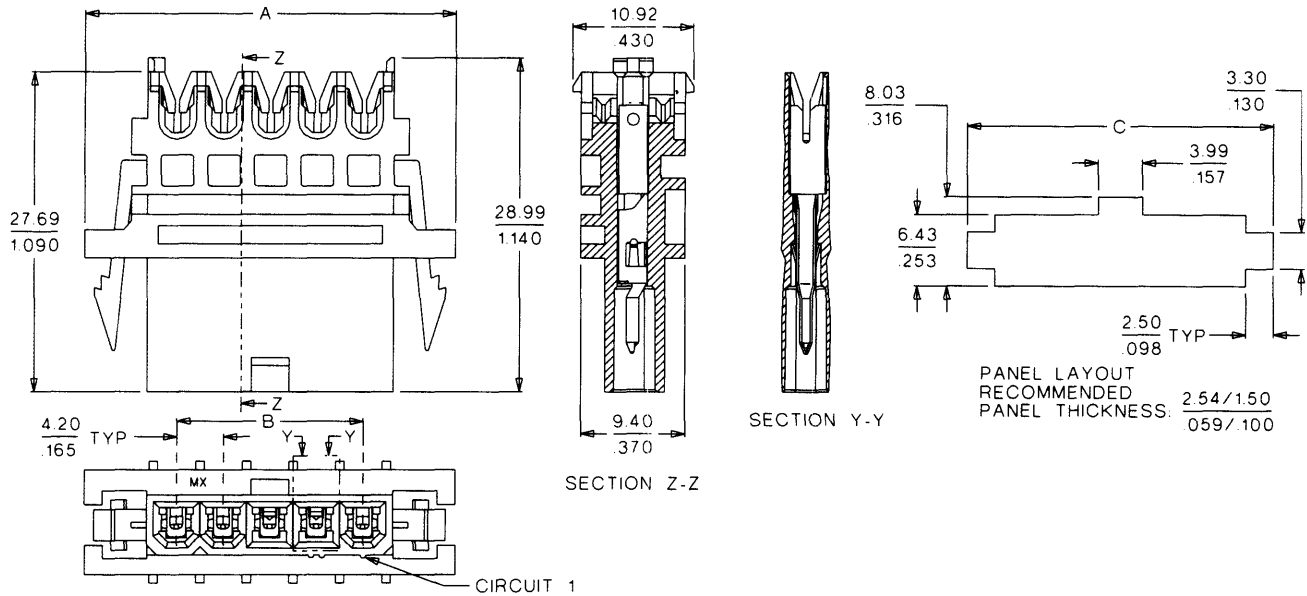
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Power Connectors

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CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.								Cover		Dimension		
	Tin/Lead				Gold				Feed-Through	Feed-To	A	B	C
	18 AWG	20 AWG	22 AWG	24 AWG	18 AWG	20 AWG	22 AWG	24 AWG					
2	71690-1101	71690-1103	71690-1104	71690-1105	71690-1107	71690-1109	71690-1110	71690-1111	71161-0201	71161-0202	20.48 (.821)	4.20 (.165)	15.00 (.591)
3	71690-1501	71690-1503	71690-1504	71690-1505	71690-1507	71690-1509	71690-1510	71690-1511	71161-0301	71161-0302	25.05 (.986)	8.40 (.331)	19.20 (.756)
4	71690-1901	71690-1903	71690-1904	71690-1905	71690-1907	71690-1909	71690-1910	71690-1911	71161-0401	71161-0402	29.25 (1.151)	12.60 (.496)	23.40 (.921)
5	71690-2301	71690-2303	71690-2304	71690-2305	71690-2307	71690-2309	71690-2310	71690-2311	71161-0501	71161-0502	33.45 (1.317)	16.80 (.661)	27.60 (1.087)
6	71690-2701	71690-2703	71690-2704	71690-2705	71690-2707	71690-2709	71690-2710	71690-2711	71161-0601	71161-0602	37.65 (1.482)	21.00 (.827)	31.80 (1.252)
7	71690-3101	71690-3103	71690-3104	71690-3105	71690-3107	71690-3109	71690-3110	71690-3111	71161-0701	71161-0702	41.85 (1.648)	25.20 (.992)	36.00 (1.417)
8	71690-3501	71690-3503	71690-3504	71690-3505	71690-3507	71690-3509	71690-3510	71690-3511	71161-0801	71161-0802	46.05 (1.813)	29.40 (1.158)	40.20 (1.582)
9	71690-3901	71690-3903	71690-3904	71690-3905	71690-3907	71690-3909	71690-3910	71690-3911	71161-0901	71161-0902	50.25 (1.978)	33.60 (1.323)	44.40 (1.747)
10	71690-4301	71690-4303	71690-4304	71690-4305	71690-4307	71690-4309	71690-4310	71690-4311	71161-1001	71161-1002	54.45 (2.144)	37.80 (1.488)	48.60 (1.912)
11	71690-4701	71690-4703	71690-4704	71690-4705	71690-4707	71690-4709	71690-4710	71690-4711	71161-1101	71161-1102	58.65 (2.309)	42.00 (1.654)	52.80 (2.077)
12	71690-5101	71690-5103	71690-5104	71690-5105	71690-5107	71690-5109	71690-5110	71690-5111	71161-1201	71161-1202	62.85 (2.474)	46.20 (1.819)	57.00 (2.242)

• US Standard Product, available through Molex franchised distributors