

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 24 circuits
- Molded in high temperature, surface mount compatible material
- Fully isolated terminals to protect contacts from damage

Reference Information

Product Specification: PS-87427-0001

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: [5557](#) dual row receptacle

Designed in: Millimeters

Electrical

Voltage: 600V

Current: (Used with 16 AWG)

Circuits	2-3	4-6	7-10	12-24
Amperes-Jr.	9	8	7	6
Amperes-HCS	12	11	10	9

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 MΩ min.

Mechanical

Pin Retention Force: 9.81N (2.2 lb) min.

Mating Force: 14.23N (3.19 lb) max.

Unmating Force: 0.50N (0.11 lb) max.

Durability: 30 cycles

Physical

Housing: Nylon 4/6, UL 94V-0

Contact: Brass (1.07 square)

Plating: Tin

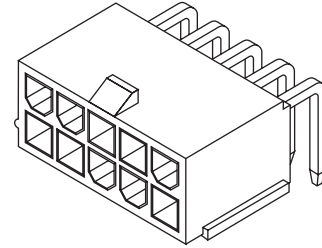
Operating Temperature: -40 to +105°C



4.20mm (.165") Pitch Mini-Fit, Jr.™ Wire-to-Board Header

87427

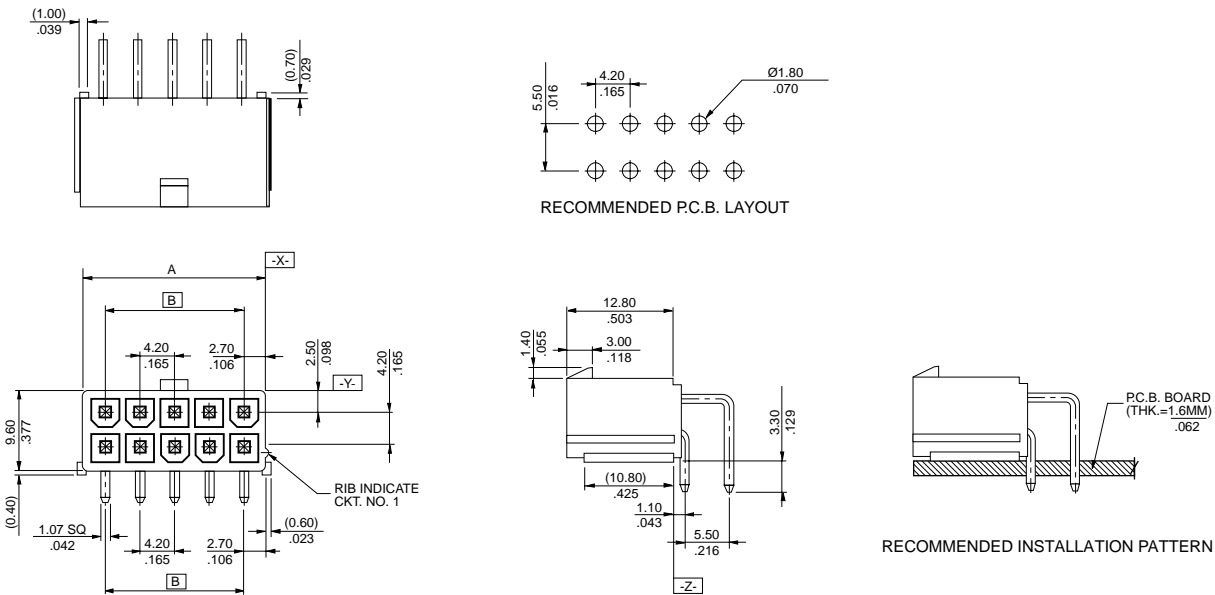
Right Angle without Flanges High Temperature Material



Power Connectors

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CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.		Dimension	
	Tin Over Nickel Plating	Tin Over Copper Plating	A	B
2	87427-0202	87427-0203	5.40 (.212)	
4	87427-0402	87427-0403	9.60 (.377)	4.20 (.165)
6	87427-0602	87427-0603	13.80 (.543)	8.40 (.330)
8	87427-0802	87427-0803	18.00 (.708)	12.60 (.496)
10	87427-1002	87427-1003	22.20 (.824)	16.80 (.667)
12	87427-1202	87427-1203	26.40 (1.030)	21.00 (.826)
14	87427-1402	87427-1403	30.60 (1.204)	25.20 (.992)
16	87427-1602	87427-1603	34.80 (1.370)	29.40 (1.152)
18	87427-1802	87427-1803	39.00 (1.535)	33.60 (1.324)
20	87427-2002	87427-2003	43.20 (1.700)	37.80 (1.488)
22	87427-2202	87427-2203	47.40 (1.866)	42.00 (1.653)
24	87427-2402	87427-2403	51.60 (2.031)	46.20 (1.818)