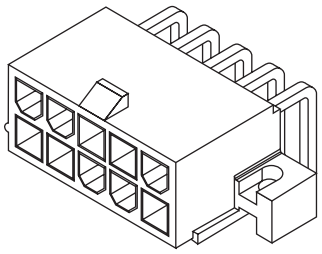
FEATURES AND SPECIFICATIONS

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

87427

Right Angle with Flange High Temperature Material



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.

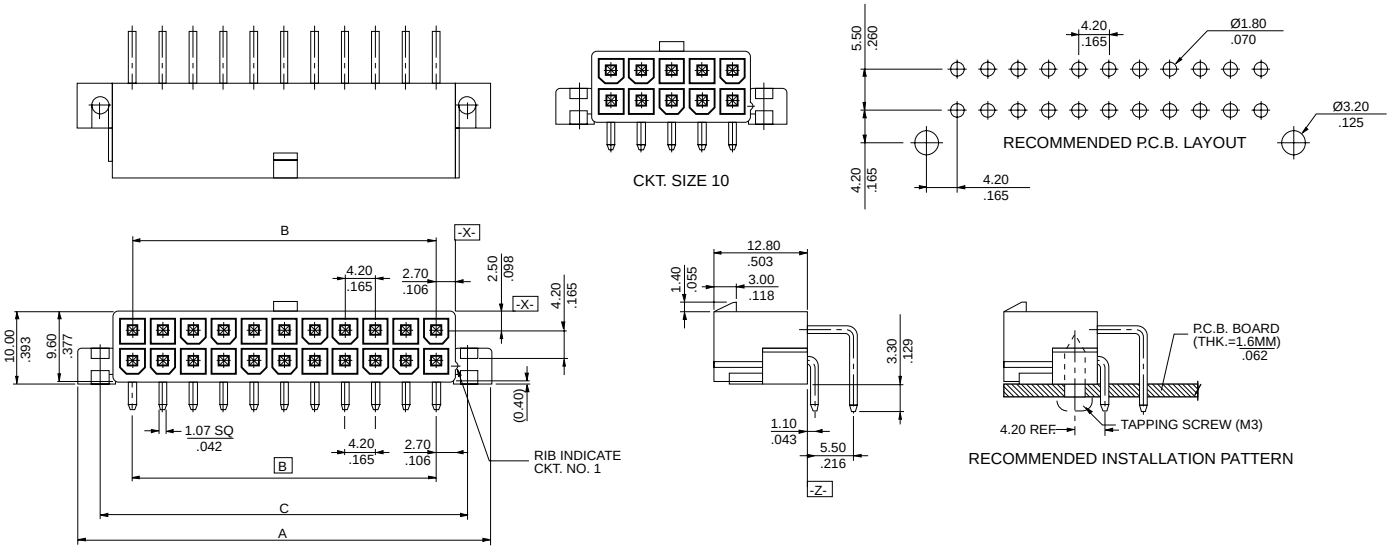
Mechanical

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: 4/6 Nylon, UL 94V-0
Contact: Brass (1.07 square)
Plating: Tin
Operating Temperature: -40 to +105°C

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.		Dimension		
	Tin Over Nickel Plating	Tin Over Copper Plating	A	B	C
2	87427-0212	87427-0213	15.40 (.606)		9.00 (.354)
4	87427-0412	87427-0413	19.60 (.770)	4.20 (.165)	13.20 (.519)
6	87427-0612	87427-0613	23.80 (.937)	8.40 (.330)	17.40 (.685)
8	87427-0812	87427-0813	28.00 (1.102)	12.60 (.496)	21.60 (.850)
10	87427-1012	87427-1013	32.20 (1.260)	16.80 (.667)	25.80 (1.010)
12	87427-1212	87427-1213	36.40 (1.433)	21.00 (.826)	30.00 (1.180)
14	87427-1412	87427-1413	40.60 (1.598)	25.20 (.992)	34.20 (1.340)
16	87427-1612	87427-1613	44.80 (1.763)	29.40 (1.152)	38.40 (1.511)
18	87427-1812	87427-1813	49.00 (1.929)	33.60 (1.320)	42.60 (1.677)
20	87427-2012	87427-2013	53.20 (2.094)	37.80 (1.688)	46.80 (1.842)
22	87427-2212	87427-2213	57.40 (2.250)	42.00 (1.653)	51.00 (2.000)
24	87427-2412	87427-2413	61.60 (2.030)	46.20 (1.818)	55.20 (2.170)