

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 36 circuits
- Available with kinked PC tails
- .244 or .324" standard mating lengths
- Surface Mount Compatible
- Voided circuits available (contact Molex)
- Various pin lengths available

Reference Information

Product Specification: PS-10-07

Packaging: Bag

Tooling Information: See cutting tool section

UL File No.: E29179

CSA File No.: LR19980

Mates With*: 2695, 4455, 6471, 7720, 7859, 7880, 40556,

70066A, 70400A, 70430, 90147 and 90148

Designed In: Inches

Electrical

Voltage: 250V

Current: 4.0A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 50K MΩ min.

Mechanical

Durability:

Tin—25 cycles max.

Gold—100 cycles max.

Physical

Housing: Glass-filled nylon, UL 94V-0

Contact: Phosphor Bronze, 0.64mm (.025") square

Plating: See Table

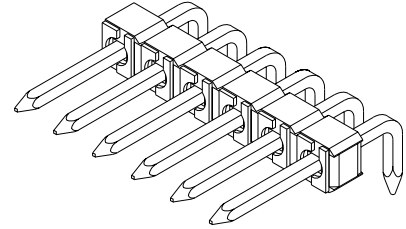
Operating Temperature: 0 to +75°C

molex® **2.54mm (.100") Pitch**
KK®

Breakaway Header

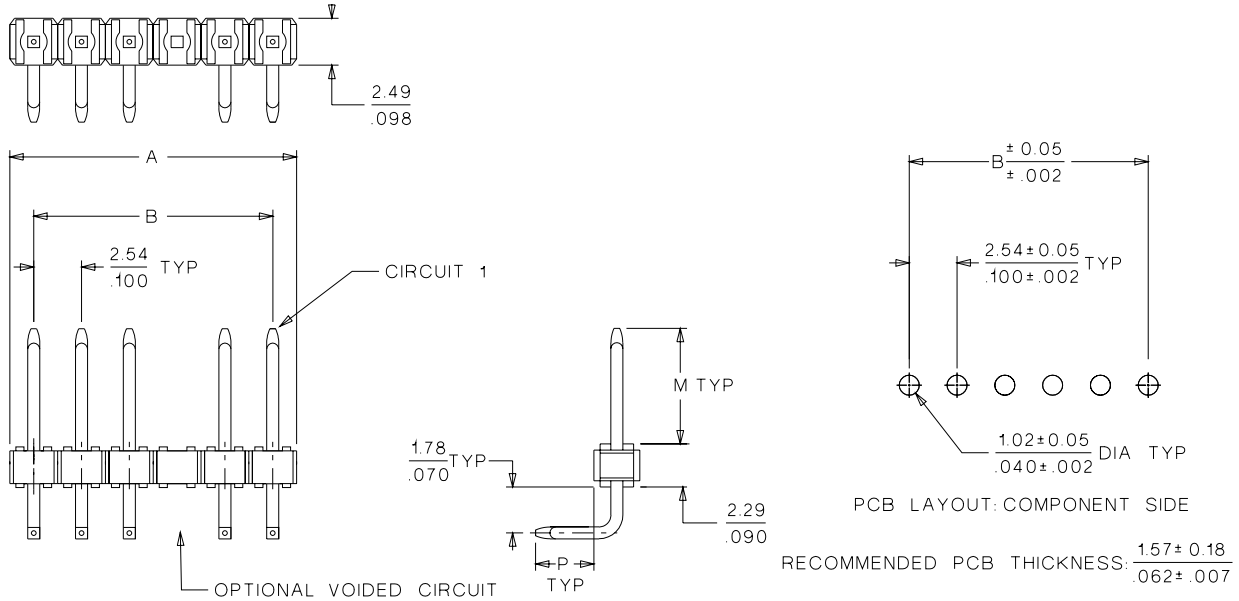
42377

Right Angle



2.54mm (.100") Pitch

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Plating Option	Order No.			
	M = 6.20mm (.244") P = 3.05mm (.120")	M = 6.20mm (.244") P = 3.43mm (.135") Kinked PC Tail	M = 8.23mm (.324") P = 3.05mm (.120")	M = 8.23mm (.324") P = 3.43mm (.135") Kinked PC Tail
Tin	• 22-28-8XX0	22-28-9XX0	• 22-28-8XX1	22-28-9XX1
15μ" select Gold	• 22-28-8XX2	22-28-9XX2	• 22-28-8XX3	22-28-9XX3
30μ" select Gold	• 22-28-8XX4	22-28-9XX4	• 22-28-8XX5	22-28-9XX5

Replace XX with no. of circuits, 02-36

Circuits	Dimension	
	A	B
2	5.08 (.200)	2.54 (.100)
3	7.62 (.300)	5.08 (.200)
4	10.16 (.400)	7.62 (.300)
5	12.70 (.500)	10.16 (.400)
6	15.24 (.600)	12.70 (.500)
7	17.78 (.700)	15.24 (.600)
8	20.32 (.800)	17.78 (.700)
9	22.86 (.900)	20.32 (.800)
10	25.40 (1.000)	22.86 (.900)

Circuits	Dimension	
	A	B
11	27.94 (1.100)	25.40 (1.000)
12	30.48 (1.200)	27.94 (1.100)
13	33.02 (1.300)	30.48 (1.200)
14	35.56 (1.400)	33.02 (1.300)
15	38.10 (1.500)	35.56 (1.400)
16	40.64 (1.600)	38.10 (1.500)
17	43.18 (1.700)	40.64 (1.600)
18	45.72 (1.800)	43.18 (1.700)
19	48.26 (1.900)	45.72 (1.800)

Circuits	Dimension	
	A	B
20	50.80 (2.000)	48.26 (1.900)
21	53.34 (2.100)	50.80 (2.000)
22	55.88 (2.200)	53.34 (2.100)
23	58.42 (2.300)	55.88 (2.200)
24	60.96 (2.400)	58.42 (2.300)
25	63.50 (2.500)	60.96 (2.400)
26	66.04 (2.600)	63.50 (2.500)
27	68.58 (2.700)	66.04 (2.600)
28	71.12 (2.800)	68.58 (2.700)

Circuits	Dimension	
	A	B
29	73.66 (2.900)	71.12 (2.800)
30	76.20 (3.000)	73.66 (2.900)
31	78.74 (3.100)	76.20 (3.000)
32	81.28 (3.200)	78.74 (3.100)
33	83.82 (3.300)	81.28 (3.200)
34	86.36 (3.400)	83.82 (3.300)
35	88.90 (3.500)	86.36 (3.400)
36	91.44 (3.600)	88.90 (3.500)

* US Standard Product, available through Molex franchised distributors (36 circuit only)

* 2695, 4455 and 7880 mate when 42377 is at board edge only

Note: Dimension M = Mating End and Dimension P = PC Tail

Circuit 1 designation is used to orient the header to locate the voided circuit. Review mating connector to assure correct mating orientation.