

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 2 to 24 circuits available
- Optional voided circuits available
- Various pin lengths available (contact Inside Sales)
- May be purchased in full 24 circuit sticks and broken into required circuit sizes
- Polarizing backwall prevents 180° mismatching between connector and header
- 41681 has square pins and 41721 has round pins

### Reference Information

Product Specification: PS-41186

Packaging: Bag

Tooling Information: See cutting tool section

UL File No.: E29179

CSA File No.: LR19980

TUV File No.: R75108

Mates With: 2139, 3069, 6442, 7674, 7675,

41695 and 41815

Designed In: Inches

### Electrical

Voltage: 250V AC max.

Current: 7.0A\*

Contact Resistance: 6mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 50K MΩ min.

### Mechanical

Durability:

Tin—25 cycles max.

Gold—100 cycles max.

### Physical

Housing: Black glass-filled polyester, UL 94V-0

Contact: Brass, 1.14mm (.045") pins

Plating: See Table

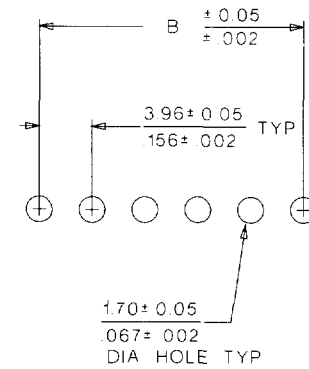
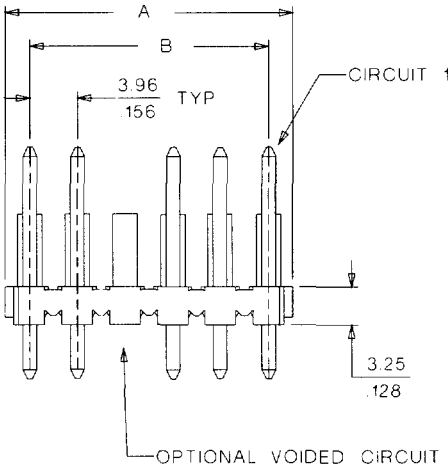
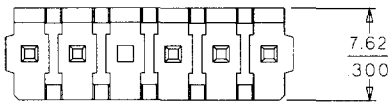
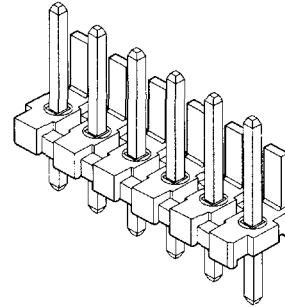
Temperature: 0 to +75°C

**molex® 3.96mm (.156") Pitch**

**KK®  
Breakaway Header**

**41681/41721**

**Vertical  
Polarizing Wall**



PCB LAYOUT COMPONENT SIDE  
RECOMMENDED PCB THICKNESS  $\frac{1.57 \pm 0.18}{.062 \pm .007}$

Note: 41681 shown

## ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.						Dimension	
	Square Pin			Round Pin			A	B
	Tin	15µ" Select Gold	30µ" Select Gold	Tin	Overall Gold			
2	26-48-1023	41681-0001	41681-0024	26-51-0023	26-51-2023	6.78 (2.67)	3.96 (.156)	
3	26-48-1033	41681-0002	41681-0025	26-51-0033	26-51-2033	10.74 (4.23)	7.92 (.312)	
4	26-48-1043	41681-0003	41681-0026	26-51-0043	26-51-2043	14.71 (.579)	11.89 (.468)	
5	26-48-1053	41681-0004	41681-0027	26-51-0053	26-51-2053	18.67 (7.35)	15.85 (.624)	
6	26-48-1063	41681-0005	41681-0028	26-51-0063	26-51-2063	22.63 (8.91)	19.81 (.780)	
7	26-48-1073	41681-0006	41681-0029	26-51-0073	26-51-2073	26.59 (1.047)	23.77 (.936)	
8	26-48-1083	41681-0007	41681-0030	26-51-0083	26-51-2083	30.56 (1.203)	27.74 (1.092)	
9	26-48-1093	41681-0008	41681-0031	26-51-0093	26-51-2093	34.52 (1.359)	31.71 (1.248)	
10	26-48-1103	41681-0009	41681-0032	26-51-0103	26-51-2103	38.48 (1.515)	35.66 (1.404)	
11	26-48-1113	41681-0010	41681-0033	26-51-0113	26-51-2113	42.44 (1.671)	39.62 (1.560)	
12	26-48-1123	41681-0011	41681-0034	26-51-0123	26-51-2123	46.41 (1.827)	43.59 (1.716)	
13	26-48-1133	41681-0012	41681-0035	26-51-0133	26-51-2133	50.37 (1.983)	47.55 (1.872)	

Circuits	Order No.						Dimension	
	Square Pin			Round Pin			A	B
	Tin	15µ" Select Gold	30µ" Select Gold	Tin	Overall Gold			
14	26-48-1143	41681-0013	41681-0036	26-51-0143	26-51-2143	54.33 (2.139)	51.51 (2.028)	
15	26-48-1153	41681-0014	41681-0037	26-51-0153	26-51-2153	58.29 (2.295)	55.47 (2.184)	
16	26-48-1163	41681-0015	41681-0038	26-51-0163	26-51-2163	62.26 (2.451)	59.44 (2.340)	
17	26-48-1173	41681-0016	41681-0039	26-51-0173	26-51-2173	66.22 (2.607)	63.40 (2.496)	
18	26-48-1183	41681-0017	41681-0040	26-51-0183	26-51-2183	70.18 (2.763)	67.36 (2.652)	
19	26-48-1193	41681-0018	41681-0041	26-51-0193	26-51-2193	74.14 (2.919)	71.32 (2.808)	
20	26-48-1203	41681-0019	41681-0042	26-51-0203	26-51-2203	78.11 (3.075)	75.29 (2.964)	
21	26-48-1213	41681-0020	41681-0043	26-51-0213	26-51-2213	82.07 (3.231)	79.25 (3.120)	
22	26-48-1223	41681-0021	41681-0044	26-51-0223	26-51-2223	86.03 (3.387)	83.21 (3.276)	
23	26-48-1233	41681-0022	41681-0045	26-51-0233	26-51-2233	89.99 (3.541)	87.17 (3.432)	
24	26-48-1243	41681-0023	41681-0046	26-51-0243	26-51-2243	93.85 (3.695)	91.14 (3.588)	

\* Dependent upon connector and PC board

Circuit number designation is for ordering purposes only, check corresponding circuit designation on mating connector