

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Available with or without retention pegs
- Gull wing surface mount tails
- Vapor phase/IR reflow process compatible
- Stackable end-to-end (on unbroken edges)
- Drawn .025" square wire provides 4-sided smooth interface

### Reference Information

Product Specification: PS-71308  
 Packaging: Tube or tape and reel\*  
 UL File No.: E29179 (H)  
 CSA File No.: LR19980A  
 Mates With: 7859 Shunts, C-Grid Receptacles, SL Crimp and IDT Housings  
 Designed In: Inches

\* Contact Molex for tape and reel order numbers

### Electrical

Voltage: 250V  
 Current: 3.0A  
 Contact Resistance: 15mΩ max.  
 Dielectric Withstanding Voltage: 1500V  
 Insulation Resistance: 1000 MΩ min.

### Mechanical

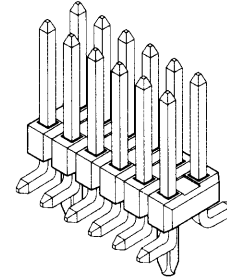
Pin Retention to Header: 17.79N (4 lb)  
 Insertion Force to PCB: 35.58N (8 lb) per peg  
 Durability: 25 cycles Tin/Lead and 50 cycles Gold

### Physical

Housing: High temperature thermoplastic, UL 94V-0  
 Contact: Phosphor Bronze  
 Plating: See Table  
 Operating Temperature: -40 to +105°C  
 Screened Paste Thickness: .010 to .015"

# molex® 2.54mm (.100") Pitch C-Grid® Breakaway Header

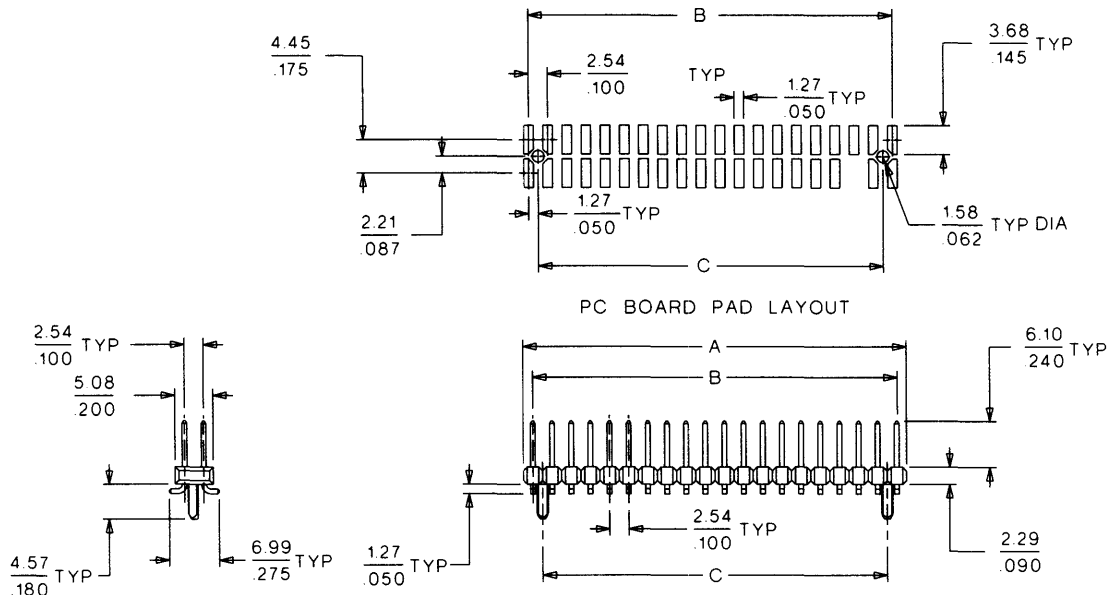
## 71308 Dual Row, SMT, Vertical With or Without Peg



2.54mm (.100") Pitch

## CATALOG DRAWING (FOR REFERENCE ONLY)

**Not For Use With Molex C-Grid III™ Components**



## ORDERING INFORMATION AND DIMENSIONS

Circuits	Dimension		
	A	B	C
4	5.08 (.200)	2.54 (.100)	2.54 (.100)
6	7.62 (.300)	5.08 (.200)	2.54 (.100)
8	10.16 (.400)	7.62 (.300)	5.08 (.200)
10	12.70 (.500)	10.16 (.400)	7.62 (.300)
12	15.24 (.600)	12.70 (.500)	10.16 (.400)
14	17.78 (.700)	15.24 (.600)	12.70 (.500)
16	20.32 (.800)	17.78 (.700)	15.24 (.600)
18	22.86 (.900)	20.32 (.800)	17.78 (.700)
20	25.40 (1.000)	22.86 (.900)	20.32 (.800)
22	27.94 (1.100)	25.40 (1.000)	22.86 (.900)
24	30.48 (1.200)	27.94 (1.100)	25.40 (1.000)
26	33.02 (1.300)	30.48 (1.200)	27.94 (1.100)
28	35.56 (1.400)	33.02 (1.300)	30.48 (1.200)
30	38.10 (1.500)	35.56 (1.400)	33.02 (1.300)
32	40.64 (1.600)	38.10 (1.500)	35.56 (1.400)
34	43.18 (1.700)	40.64 (1.600)	38.10 (1.500)
36	45.72 (1.800)	43.18 (1.700)	40.64 (1.600)

Circuits	Dimension		
	A	B	C
38	48.26 (1.900)	45.72 (1.800)	43.18 (1.700)
40	50.80 (2.000)	48.26 (1.900)	45.72 (1.800)
42	53.34 (2.100)	50.80 (2.000)	48.26 (1.900)
44	55.88 (2.200)	53.34 (2.100)	50.80 (2.000)
46	58.42 (2.300)	55.88 (2.200)	53.34 (2.100)
48	60.96 (2.400)	58.42 (2.300)	55.88 (2.200)
50	63.50 (2.500)	60.96 (2.400)	58.42 (2.300)
52	66.04 (2.600)	63.50 (2.500)	60.96 (2.400)
54	68.58 (2.700)	66.04 (2.600)	63.50 (2.500)
56	71.12 (2.800)	68.58 (2.700)	66.04 (2.600)
58	73.66 (2.900)	71.12 (2.800)	68.58 (2.700)
60	76.20 (3.000)	73.66 (2.900)	71.12 (2.800)
62	78.74 (3.100)	76.20 (3.000)	73.66 (2.900)
64	81.28 (3.200)	78.74 (3.100)	76.20 (3.000)
66	83.82 (3.300)	81.28 (3.200)	78.74 (3.100)
68	86.36 (3.400)	83.82 (3.300)	81.28 (3.200)
70	88.90 (3.500)	86.36 (3.400)	83.82 (3.300)

Circuits	Dimension		
	A	B	C
72	91.44 (3.600)	88.90 (3.500)	86.36 (3.400)
74	93.98 (3.700)	91.44 (3.600)	88.90 (3.500)
76	96.52 (3.800)	93.98 (3.700)	91.44 (3.600)
78	99.06 (3.900)	96.52 (3.800)	93.98 (3.700)
80	101.60 (4.000)	99.06 (3.900)	96.52 (3.800)

Plating Option	Order No.	
	Without PCB Retention Pegs	With PCB Retention Pegs
15µ" min. select Gold	15-91-0XX0	15-91-1XX2
30µ" min. select Gold	15-91-3XX0	15-91-1XX3
150µ" min. Tin	15-91-2XX0	15-91-1XX1

Replace XX with no. of circuits, 04-80 (even only)