

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 8 to 80 circuits
- Low profile: .240" high
- Available with or without retention pegs
- Vapor phase/IR reflow process compatible
- Mates with .100" grid male headers
- Stackable end-to-end on .100" grid

Reference Information

Product Specification: PS-70181

Packaging: Tray

Mates With: C-Grid breakaway and shrouded headers

Designed In: Inches

Electrical

Voltage: 250V

Current: 2.5A

Contact Resistance: 15mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 MΩ min.

Mechanical

Contact Insertion Force: 182g (0.4 lb)

Insertion Force to PCB: 3.6kg (8 lb) per peg

Durability: 25 cycles Tin/Lead and 50 cycles Gold

Physical

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

Contact: Phosphor Bronze

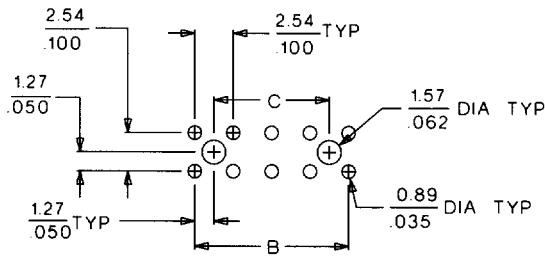
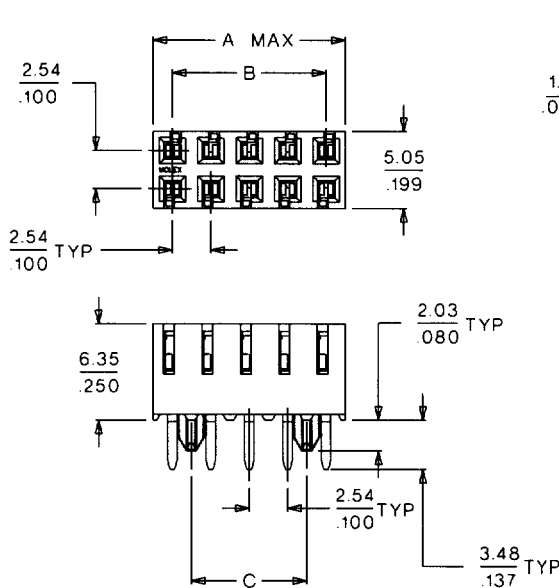
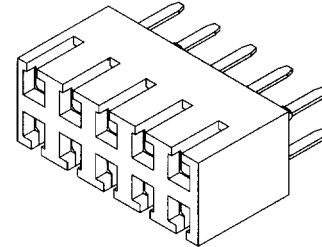
Plating: See Table

Temperature: -40 to +105°C

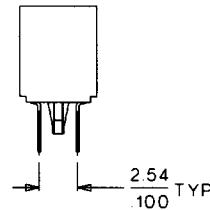
molex® 2.54mm (.100") Pitch C-Grid® Receptacle

71840

Low Profile, Dual Row High-Temperature, Vertical



PCB LAYOUT: COMPONENT SIDE



ORDERING INFORMATION

Circuits	Order No.					
	150µ" Tin/Lead		15µ" min. Select Gold		30µ" min. Select Gold	
	Peg	No Peg	Peg	No Peg	Peg	No Peg
8	71840-0001	71840-0112	71840-0038	71840-0149	71840-0075	71840-0186
10	71840-0002	71840-0113	71840-0039	71840-0150	71840-0076	71840-0187
12	71840-0003	71840-0114	71840-0040	71840-0151	71840-0077	71840-0188
14	71840-0004	71840-0115	71840-0041	71840-0152	71840-0078	71840-0189
16	71840-0005	71840-0116	71840-0042	71840-0153	71840-0079	71840-0190
18	71840-0006	71840-0117	71840-0043	71840-0154	71840-0080	71840-0191
20	71840-0007	71840-0118	71840-0044	71840-0155	71840-0081	71840-0192
22	71840-0008	71840-0119	71840-0045	71840-0156	71840-0082	71840-0193
24	71840-0009	71840-0120	71840-0046	71840-0157	71840-0083	71840-0194
26	71840-0010	71840-0121	71840-0047	71840-0158	71840-0084	71840-0195
28	71840-0011	71840-0122	71840-0048	71840-0159	71840-0085	71840-0196
30	71840-0012	71840-0123	71840-0049	71840-0160	71840-0086	71840-0197
32	71840-0013	71840-0124	71840-0050	71840-0161	71840-0087	71840-0198
34	71840-0014	71840-0125	71840-0051	71840-0162	71840-0088	71840-0199
36	71840-0015	71840-0126	71840-0052	71840-0163	71840-0089	71840-0200
38	71840-0016	71840-0127	71840-0053	71840-0164	71840-0090	71840-0201
40	71840-0017	71840-0128	71840-0054	71840-0165	71840-0091	71840-0202
42	71840-0018	71840-0129	71840-0055	71840-0166	71840-0092	71840-0203
44	71840-0019	71840-0130	71840-0056	71840-0167	71840-0093	71840-0204

Circuits	Order No.					
	150µ" Tin/Lead		15µ" min. Select Gold		30µ" min. Select Gold	
	Peg	No Peg	Peg	No Peg	Peg	No Peg
46	71840-0020	71840-0131	71840-0057	71840-0168	71840-0094	71840-0205
48	71840-0021	71840-0132	71840-0058	71840-0169	71840-0095	71840-0206
50	71840-0022	71840-0133	71840-0059	71840-0170	71840-0096	71840-0207
52	71840-0023	71840-0134	71840-0060	71840-0171	71840-0097	71840-0208
54	71840-0024	71840-0135	71840-0061	71840-0172	71840-0098	71840-0209
56	71840-0025	71840-0136	71840-0062	71840-0173	71840-0099	71840-0210
58	71840-0026	71840-0137	71840-0063	71840-0174	71840-0100	71840-0211
60	71840-0027	71840-0138	71840-0064	71840-0175	71840-0101	71840-0212
62	71840-0028	71840-0139	71840-0065	71840-0176	71840-0102	71840-0213
64	71840-0029	71840-0140	71840-0066	71840-0177	71840-0103	71840-0214
66	71840-0030	71840-0141	71840-0067	71840-0178	71840-0104	71840-0215
68	71840-0031	71840-0142	71840-0068	71840-0179	71840-0105	71840-0216
70	71840-0032	71840-0143	71840-0069	71840-0180	71840-0106	71840-0217
72	71840-0033	71840-0144	71840-0070	71840-0181	71840-0107	71840-0218
74	71840-0034	71840-0145	71840-0071	71840-0182	71840-0108	71840-0219
76	71840-0035	71840-0146	71840-0072	71840-0183	71840-0109	71840-0220
78	71840-0036	71840-0147	71840-0073	71840-0184	71840-0110	71840-0221
80	71840-0037	71840-0148	71840-0074	71840-0185	71840-0111	71840-0222