

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
Designed In: Inches

Electrical

Voltage: 250V
Current: 2.5A
Contact Resistance: 15mΩ max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 1000 MΩ min.

Mechanical

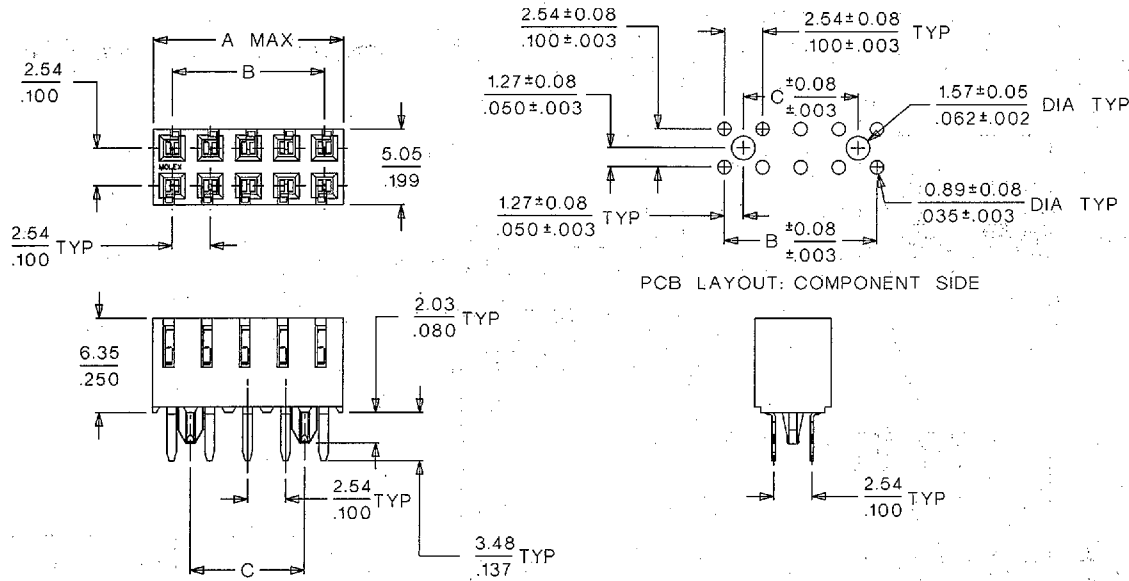
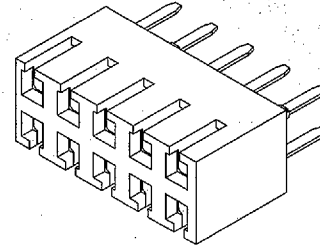
Contact Insertion Force: 182g (0.4 lb)
Insertion Force to PCB: 3.6kg (8 lb) per peg
Durability: 25 cycles Tin/Lead and 50 cycles Gold

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



ORDERING INFORMATION

| Circuits | Order No. | | | | | |
|----------|--------------------------------|------------|-----------------------|------------|-----------------------|------------|
| | 150μ" Tin/Lead, Nickel Overall | | 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, Nickel Overall | | 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 |