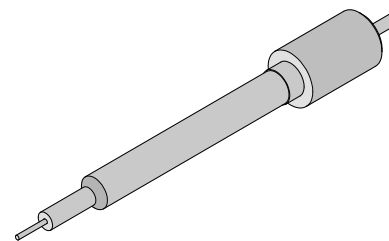


## Single Contact Knockout Tool

# molex

## Application Tooling Specification Sheet


**Order No. 62100-1000**

### FEATURES

- This tool is used for the remove a single backplane contact from a connector and printed circuit board, which reduces connector replacement costs
- Lightweight manual tool that is easy to use
- High quality construction that will provide longevity with proper care of hand tool

### SCOPE

Products: \*HDM® Backplane and EXTreme PowerMass™ Signal Contact. See Product List below for specific part numbers. \*HDM® is a registered trademark of Teradyne, Inc.

### Product List

The following is a partial list of the product order numbers and their specifications this tool is designed to run. Updates to this list are available on [www.molex.com](http://www.molex.com).

| Connector Series Number | Style              | Assembly Order Number |            |            |            |            |            |
|-------------------------|--------------------|-----------------------|------------|------------|------------|------------|------------|
| 73642                   | Open End           | 73642-0000            | 73642-0100 | 73642-0200 | 73642-1000 | 73642-1100 | 73642-1200 |
|                         |                    | 73642-2000            | 73642-2009 | 73642-2100 | 73642-2109 | 73642-2200 | 73642-2209 |
|                         |                    | 73642-3000            | 73642-3009 | 73642-3100 | 73642-3109 | 73642-3200 | 73642-3209 |
| 73643                   | Closed End         | 73643-0000            | 73643-0100 | 73643-0200 | 73643-1000 | 73643-1100 | 73643-1200 |
|                         |                    | 73643-2000            | 73643-2009 | 73643-2100 | 73643-2109 | 73643-2200 | 73643-2209 |
|                         |                    | 73643-3000            | 73643-3009 | 73643-3100 | 73643-3109 | 73643-3200 | 73643-3209 |
| 73644                   | Polar Guide Option | 73644-0000            | 73644-0001 | 73644-0002 | 73644-0003 | 73644-0004 | 73644-0005 |
|                         |                    | 73644-0006            | 73644-0007 | 73644-0008 | 73644-0009 | 73644-0010 | 73644-0011 |
|                         |                    | 73644-0012            | 73644-0013 | 73644-0014 | 73644-0015 | 73644-0016 | 73644-0017 |
|                         |                    | 73644-0018            | 73644-0100 | 73644-0101 | 73644-0102 | 73644-0103 | 73644-0104 |
|                         |                    | 73644-0105            | 73644-0106 | 73644-0107 | 73644-0108 | 73644-0109 | 73644-0110 |
|                         |                    | 73644-0111            | 73644-0112 | 73644-0113 | 73644-0114 | 73644-0115 | 73644-0116 |
|                         |                    | 73644-0117            | 73644-0118 | 73644-0200 | 73644-0201 | 73644-0202 | 73644-0203 |
|                         |                    | 73644-0204            | 73644-0205 | 73644-0206 | 73644-0207 | 73644-0208 | 73644-0209 |
|                         |                    | 73644-0210            | 73644-0211 | 73644-0212 | 73644-0213 | 73644-0214 | 73644-0215 |
|                         |                    | 73644-0216            | 73644-0217 | 73644-0218 |            |            |            |
|                         |                    | 73644-1000            | 73644-1001 | 73644-1002 | 73644-1003 | 73644-1004 | 73644-1005 |
|                         |                    | 73644-1006            | 73644-1007 | 73644-1008 | 73644-1009 | 73644-1010 | 73644-1011 |
|                         |                    | 73644-1012            | 73644-1013 | 73644-1014 | 73644-1015 | 73644-1016 | 73644-1017 |
|                         |                    | 73644-1018            | 73644-1100 | 73644-1101 | 73644-1102 | 73644-1103 | 73644-1104 |
|                         |                    | 73644-1105            | 73644-1106 | 73644-1107 | 73644-1108 | 73644-1109 | 73644-1110 |
|                         |                    | 73644-1111            | 73644-1112 | 73644-1113 | 73644-1114 | 73644-1115 | 73644-1116 |
|                         |                    | 73644-1117            | 73644-1118 | 73644-1200 | 73644-1201 | 73644-1202 | 73644-1203 |
|                         |                    | 73644-1204            | 73644-1205 | 73644-1206 | 73644-1207 | 73644-1208 | 73644-1209 |
|                         |                    | 73644-1210            | 73644-1211 | 73644-1212 | 73644-1213 | 73644-1214 | 73644-1215 |
|                         |                    | 73644-1216            | 73644-1217 | 73644-1218 |            |            |            |

| Connector<br>Series Number | Style                 | Assembly Order Number |            |            |            |            |            |
|----------------------------|-----------------------|-----------------------|------------|------------|------------|------------|------------|
| 73644                      | Polar Guide<br>Option | 73644-2000            | 73644-2001 | 73644-2002 | 73644-2003 | 73644-2004 | 73644-2005 |
|                            |                       | 73644-2006            | 73644-2007 | 73644-2008 | 73644-2009 | 73644-2010 | 73644-2011 |
|                            |                       | 73644-2012            | 73644-2013 | 73644-2014 | 73644-2015 | 73644-2016 | 73644-2017 |
|                            |                       | 73644-2018            | 73644-2100 | 73644-2101 | 73644-2102 | 73644-2103 | 73644-2104 |
|                            |                       | 73644-2105            | 73644-2106 | 73644-2107 | 73644-2108 | 73644-2109 | 73644-2110 |
|                            |                       | 73644-2111            | 73644-2112 | 73644-2113 | 73644-2114 | 73644-2115 | 73644-2116 |
|                            |                       | 73644-2117            | 73644-2118 | 73644-2200 | 73644-2201 | 73644-2202 | 73644-2203 |
|                            |                       | 73644-2204            | 73644-2205 | 73644-2206 | 73644-2207 | 73644-2208 | 73644-2209 |
|                            |                       | 73644-2210            | 73644-2211 | 73644-2212 | 73644-2213 | 73644-2214 | 73644-2215 |
|                            |                       | 73644-2216            | 73644-2217 | 73644-2218 |            |            |            |
|                            |                       | 73644-3000            | 73644-3001 | 73644-3002 | 73644-3003 | 73644-3004 | 73644-3005 |
|                            |                       | 73644-3006            | 73644-3007 | 73644-3008 | 73644-3009 | 73644-3010 | 73644-3011 |
|                            |                       | 73644-3012            | 73644-3013 | 73644-3014 | 73644-3015 | 73644-3016 | 73644-3017 |
|                            |                       | 73644-3018            | 73644-3100 | 73644-3101 | 73644-3102 | 73644-3103 | 73644-3104 |
|                            |                       | 73644-3105            | 73644-3106 | 73644-3107 | 73644-3108 | 73644-3109 | 73644-3110 |
|                            |                       | 73644-3111            | 73644-3112 | 73644-3113 | 73644-3114 | 73644-3115 | 73644-3116 |
|                            |                       | 73644-3117            | 73644-3118 | 73644-3200 | 73644-3201 | 73644-3202 | 73644-3203 |
|                            |                       | 73644-3204            | 73644-3205 | 73644-3206 | 73644-3207 | 73644-3208 | 73644-3209 |
|                            |                       | 73644-3210            | 73644-3211 | 73644-3212 | 73644-3213 | 73644-3214 | 73644-3215 |
|                            |                       | 73644-3216            | 73644-3217 | 73644-3218 |            |            |            |
|                            | Keyed<br>Option       | 73644-6000            | 73644-6001 | 73644-6002 | 73644-6003 | 73644-6004 | 73644-6005 |
|                            |                       | 73644-6006            | 73644-6007 | 73644-6008 | 73644-6009 | 73644-6010 | 73644-6011 |
|                            |                       | 73644-6012            | 73644-6013 | 73644-6014 | 73644-6015 | 73644-6016 | 73644-6017 |
|                            |                       | 73644-6018            | 73644-6100 | 73644-6101 | 73644-6102 | 73644-6103 | 73644-6104 |
|                            |                       | 73644-6105            | 73644-6106 | 73644-6107 | 73644-6108 | 73644-6109 | 73644-6110 |
|                            |                       | 73644-6111            | 73644-6112 | 73644-6113 | 73644-6114 | 73644-6115 | 73644-6116 |
|                            |                       | 73644-6117            | 73644-6118 | 73644-6200 | 73644-6201 | 73644-6202 | 73644-6203 |
|                            |                       | 73644-6204            | 73644-6205 | 73644-6206 | 73644-6207 | 73644-6208 | 73644-6209 |
|                            |                       | 73644-6210            | 73644-6211 | 73644-6212 | 73644-6213 | 73644-6214 | 73644-6215 |
|                            |                       | 73644-6216            | 73644-6217 | 73644-6218 |            |            |            |
|                            |                       | 73644-7000            | 73644-7001 | 73644-7002 | 73644-7003 | 73644-7004 | 73644-7005 |
|                            |                       | 73644-7006            | 73644-7007 | 73644-7008 | 73644-7009 | 73644-7010 | 73644-7011 |
|                            |                       | 73644-7012            | 73644-7013 | 73644-7014 | 73644-7015 | 73644-7016 | 73644-7017 |
|                            |                       | 73644-7018            | 73644-7100 | 73644-7101 | 73644-7102 | 73644-7103 | 73644-7104 |
|                            |                       | 73644-7105            | 73644-7106 | 73644-7107 | 73644-7108 | 73644-7109 | 73644-7110 |
|                            |                       | 73644-7111            | 73644-7112 | 73644-7113 | 73644-7114 | 73644-7115 | 73644-7116 |
|                            |                       | 73644-7117            | 73644-7118 | 73644-7200 | 73644-7201 | 73644-7202 | 73644-7203 |
|                            |                       | 73644-7204            | 73644-7205 | 73644-7206 | 73644-7207 | 73644-7208 | 73644-7209 |
|                            |                       | 73644-7210            | 73644-7211 | 73644-7212 | 73644-7213 | 73644-7214 | 73644-7215 |
|                            |                       | 73644-7216            | 73644-7217 | 73644-7218 |            |            |            |
| 73650                      | Custom                | 73650-0001            | 73650-0002 | 73650-0003 | 73650-0004 | 73650-0005 | 73650-0006 |
|                            |                       | 73650-0007            | 73650-0008 | 73650-0009 | 73650-0010 | 73650-0011 | 73650-0012 |
|                            |                       | 73650-0013            | 73650-0014 | 73650-0015 | 73650-0016 | 73650-0017 | 73650-0018 |
|                            |                       | 73650-0019            | 73650-0020 | 73650-0021 | 73650-0022 | 73650-0023 | 73650-0024 |
|                            |                       | 73650-0025            | 73650-0026 | 73650-0027 | 73650-0028 | 73650-0029 | 73650-0030 |
|                            |                       | 73650-0031            | 73650-0032 | 73650-0033 | 73650-0034 | 73650-0035 | 73650-0036 |
|                            |                       | 73650-0037            | 73650-0038 | 73650-0039 | 73650-0040 | 73650-0041 | 73650-0042 |
|                            |                       | 73650-0043            | 73650-0044 | 73650-0045 | 73650-0046 | 73650-0047 | 73650-0048 |
|                            |                       | 73650-0049            | 73650-0050 | 73650-0051 | 73650-0052 | 73650-0053 | 73650-0054 |
|                            |                       | 73650-0055            | 73650-0056 | 73650-0057 | 73650-0058 | 73650-0059 | 73650-0060 |
|                            |                       | 73650-0061            | 73650-0062 | 73650-0063 | 73650-0064 | 73650-0065 | 73650-0066 |
|                            |                       | 73650-0067            | 73650-0068 | 73650-0069 | 73650-0070 | 73650-0071 | 73650-0072 |
|                            |                       | 73650-0073            | 73650-0074 | 73650-0075 | 73650-0076 | 73650-0077 | 73650-0078 |
|                            |                       | 73650-0079            | 73650-0080 | 73650-0081 | 73650-0082 | 73650-0083 | 73650-0084 |

| Connector Series Number | Style                       | Assembly Order Number |            |            |            |            |            |
|-------------------------|-----------------------------|-----------------------|------------|------------|------------|------------|------------|
| 73650                   | Custom                      | 73650-0085            | 73650-0086 | 73650-0087 | 73650-0088 | 73650-0089 | 73650-0090 |
|                         |                             | 73650-0091            | 73650-0092 | 73650-0093 | 73650-0094 | 73650-0095 | 73650-0096 |
|                         |                             | 73650-0097            | 73650-0098 | 73650-0099 | 73650-0100 |            |            |
|                         |                             | 73650-0101            | 73650-0102 | 73650-0103 | 73650-0104 | 73650-0105 | 73650-0106 |
|                         |                             | 73650-0107            | 73650-0108 | 73650-0109 | 73650-0110 | 73650-0111 | 73650-0112 |
|                         |                             | 73650-0113            | 73650-0114 | 73650-0115 | 73650-0116 | 73650-0117 | 73650-0118 |
|                         |                             | 73650-0119            | 73650-0120 | 73650-0121 | 73650-0122 | 73650-0123 | 73650-0124 |
|                         |                             | 73650-0125            | 73650-0126 | 73650-0127 | 73650-0128 | 73650-0129 | 73650-0130 |
|                         |                             | 73650-0131            | 73650-0132 | 73650-0133 | 73650-0134 | 73650-0135 | 73650-0136 |
|                         |                             | 73650-0137            | 73650-0138 | 73650-0139 | 73650-0140 | 73650-0141 | 73650-0142 |
|                         |                             | 73650-0143            | 73650-0144 | 73650-0145 | 73650-0146 | 73650-0147 | 73650-0148 |
|                         |                             | 73650-0149            | 73650-0150 | 73650-0151 | 73650-0152 | 73650-0153 | 73650-0154 |
|                         |                             | 73650-0155            | 73650-0156 | 73650-0157 | 73650-0158 | 73650-0159 | 73650-0160 |
|                         |                             | 73650-0161            | 73650-0162 | 73650-0163 | 73650-0164 | 73650-0165 | 73650-0166 |
|                         |                             | 73650-0167            | 73650-0168 | 73650-0169 | 73650-0170 | 73650-0171 | 73650-0172 |
|                         |                             | 73650-0173            | 73650-0174 | 73650-0175 | 73650-0176 | 73650-0177 | 73650-0178 |
|                         |                             | 73650-0179            | 73650-0180 | 73650-0181 | 73650-0182 | 73650-0183 | 73650-0184 |
|                         |                             | 73650-0185            | 73650-0186 | 73650-0187 | 73650-0188 | 73650-0189 | 73650-0190 |
|                         |                             | 73650-0191            | 73650-0192 | 73650-0193 | 73650-0194 | 73650-0195 | 73650-0196 |
|                         |                             | 73650-0197            | 73650-0198 | 73650-0199 | 73650-0200 |            |            |
|                         |                             | 73650-0201            | 73650-0202 | 73650-0203 | 73650-0204 | 73650-0205 | 73650-0206 |
|                         |                             | 73650-0207            | 73650-0208 | 73650-0209 | 73650-0210 | 73650-0211 | 73650-0212 |
|                         |                             | 73650-0213            | 73650-0214 | 73650-0215 | 73650-0216 | 73650-0217 | 73650-0218 |
|                         |                             | 73650-0219            | 73650-0220 | 73650-0221 | 73650-0222 | 73650-0223 | 73650-0224 |
|                         |                             | 73650-0225            | 73650-0226 | 73650-0227 | 73650-0228 | 73650-0229 | 73650-0230 |
|                         |                             | 73650-0231            | 73650-0232 | 73650-0233 | 73650-0234 | 73650-0235 | 73650-0236 |
|                         |                             | 73650-0237            | 73650-0238 | 73650-0239 | 73650-0240 | 73650-0242 | 73650-0243 |
|                         |                             | 73650-0244            | 73650-0245 | 73650-0246 | 73650-0247 | 73650-0248 | 73650-0250 |
|                         |                             | 73650-0251            | 73650-0252 | 73650-0253 | 73650-0254 | 73650-0255 | 73650-0257 |
|                         |                             | 73650-0258            | 73650-0259 | 73650-0260 | 73650-0261 | 73650-0265 | 73650-0270 |
|                         |                             | 73650-0271            | 73650-0272 | 73650-0275 | 73650-0276 | 73650-0277 | 73650-0279 |
|                         |                             | 73650-0285            | 73650-0286 | 73650-0287 | 73650-0288 | 73650-0289 | 73650-0290 |
|                         |                             | 73650-0291            | 73650-0292 | 73650-0293 | 73650-0294 | 73650-0295 | 73650-0296 |
|                         |                             | 73650-0297            | 73650-0298 | 73650-0299 | 73650-9950 | 73650-9959 | 73650-9960 |
|                         |                             | 73650-9961            | 73650-9962 | 73650-9963 | 73650-9966 | 73650-9967 | 73650-9968 |
|                         |                             | 73650-9969            | 73650-9970 | 73650-9971 | 73650-9972 | 73650-9973 | 73650-9974 |
|                         |                             | 73650-9975            | 73650-9976 | 73650-9977 | 73650-9978 | 73650-9979 | 73650-9980 |
| 73770                   | Closed End                  | 73770-0100            | 73770-0109 | 73770-0200 | 73770-0209 | 73770-0300 | 73770-0309 |
|                         |                             | 73770-1100            | 73770-1109 | 73770-1200 | 73770-1209 | 73770-1300 | 73770-1309 |
| 73771                   | Stacking Polar Guide Option | 73771-0100            | 73771-0101 | 73771-0102 | 73771-0190 | 73771-0191 | 73771-0192 |
|                         |                             | 73771-0200            | 73771-0201 | 73771-0202 | 73771-0290 | 73771-0291 | 73771-0292 |
|                         |                             | 73771-0300            | 73771-0301 | 73771-0302 | 73771-0390 | 73771-0391 | 73771-0392 |
|                         |                             | 73771-1100            | 73771-1101 | 73771-1102 | 73771-1190 | 73771-1191 | 73771-1192 |
|                         |                             | 73771-1200            | 73771-1201 | 73771-1202 | 73771-1290 | 73771-1291 | 73771-1292 |
|                         |                             | 73771-1300            | 73771-1301 | 73771-1302 | 73771-1390 | 73771-1391 | 73771-1392 |
|                         |                             | 73771-0100            | 73771-0101 | 73771-0102 | 73771-0190 | 73771-0191 | 73771-0192 |
|                         |                             | 73771-0200            | 73771-0201 | 73771-0202 | 73771-0290 | 73771-0291 | 73771-0292 |
|                         |                             | 73771-0300            | 73771-0301 | 73771-0302 | 73771-0390 | 73771-0391 | 73771-0392 |
|                         |                             | 73771-1100            | 73771-1101 | 73771-1102 | 73771-1190 | 73771-1191 | 73771-1192 |
|                         |                             | 73771-1200            | 73771-1201 | 73771-1202 | 73771-1290 | 73771-1291 | 73771-1292 |
|                         |                             | 73771-1300            | 73771-1301 | 73771-1302 | 73771-1390 | 73771-1391 | 73771-1392 |
| 73797                   | Open End Duck Pin           | 73797-0000            | 73797-0200 | 73797-2000 | 73797-2009 | 73797-2200 | 73797-2209 |
|                         |                             | 73797-1000            | 73797-1200 | 73797-3000 | 73797-3009 | 73797-3200 | 73797-3209 |

| Connector Series Number | Style                       | Assembly Order Number |            |            |            |            |            |
|-------------------------|-----------------------------|-----------------------|------------|------------|------------|------------|------------|
| 73798                   | Open End Duck Pin           | 73798-0000            | 73798-0200 | 73798-2000 | 73798-2009 | 73798-2200 | 73798-2209 |
|                         |                             | 73798-1000            | 73798-1200 | 73798-3000 | 73798-3009 | 73798-3200 | 73798-3209 |
| 73799                   | Open End Duck Pin           | 73799-0000            | 73799-0001 | 73799-0002 | 73799-0003 | 73799-0004 | 73799-0005 |
|                         |                             | 73799-0006            | 73799-0007 | 73799-0008 | 73799-0009 | 73799-0010 | 73799-0011 |
|                         |                             | 73799-0012            | 73799-0013 | 73799-0014 | 73799-0015 | 73799-0016 | 73799-0017 |
|                         |                             | 73799-0018            | 73799-0200 | 73799-0201 | 73799-0202 | 73799-0203 | 73799-0204 |
|                         |                             | 73799-0205            | 73799-0206 | 73799-0207 | 73799-0208 | 73799-0209 | 73799-0210 |
|                         |                             | 73799-0211            | 73799-0212 | 73799-0213 | 73799-0214 | 73799-0215 | 73799-0216 |
|                         |                             | 73799-0217            | 73799-0218 |            |            |            |            |
|                         |                             | 73799-1000            | 73799-1001 | 73799-1002 | 73799-1003 | 73799-1004 | 73799-1005 |
|                         |                             | 73799-1006            | 73799-1007 | 73799-1008 | 73799-1009 | 73799-1010 | 73799-1011 |
|                         |                             | 73799-1012            | 73799-1013 | 73799-1014 | 73799-1015 | 73799-1016 | 73799-1017 |
|                         |                             | 73799-1018            | 73799-1200 | 73799-1201 | 73799-1202 | 73799-1203 | 73799-1204 |
|                         |                             | 73799-1205            | 73799-1206 | 73799-1207 | 73799-1208 | 73799-1209 | 73799-1210 |
|                         |                             | 73799-1211            | 73799-1212 | 73799-1213 | 73799-1214 | 73799-1215 | 73799-1216 |
|                         |                             | 73799-1217            | 73799-1218 |            |            |            |            |
|                         |                             | 73799-2000            | 73799-2001 | 73799-2002 | 73799-2003 | 73799-2004 | 73799-2005 |
|                         |                             | 73799-2006            | 73799-2007 | 73799-2008 | 73799-2009 | 73799-2010 | 73799-2011 |
|                         |                             | 73799-2012            | 73799-2013 | 73799-2014 | 73799-2015 | 73799-2016 | 73799-2017 |
|                         |                             | 73799-2018            | 73799-2200 | 73799-2201 | 73799-2202 | 73799-2203 | 73799-2204 |
|                         |                             | 73799-2205            | 73799-2206 | 73799-2207 | 73799-2208 | 73799-2209 | 73799-2210 |
|                         |                             | 73799-2211            | 73799-2212 | 73799-2213 | 73799-2214 | 73799-2215 | 73799-2216 |
|                         |                             | 73799-2217            | 73799-2218 |            |            |            |            |
|                         |                             | 73799-3000            | 73799-3001 | 73799-3002 | 73799-3003 | 73799-3004 | 73799-3005 |
|                         |                             | 73799-3006            | 73799-3007 | 73799-3008 | 73799-3009 | 73799-3010 | 73799-3011 |
|                         |                             | 73799-3012            | 73799-3013 | 73799-3014 | 73799-3015 | 73799-3016 | 73799-3017 |
|                         |                             | 73799-3018            | 73799-3200 | 73799-3201 | 73799-3202 | 73799-3203 | 73799-3204 |
|                         |                             | 73799-3205            | 73799-3206 | 73799-3207 | 73799-3208 | 73799-3209 | 73799-3210 |
|                         |                             | 73799-3211            | 73799-3212 | 73799-3213 | 73799-3214 | 73799-3215 | 73799-3216 |
|                         |                             | 73799-3217            | 73799-3218 |            |            |            |            |
|                         | Polar Guide Option Duck Pin | 73799-8000            | 73799-8001 | 73799-8002 | 73799-8003 | 73799-8004 | 73799-8005 |
|                         |                             | 73799-8006            | 73799-8007 | 73799-8008 | 73799-8009 | 73799-8010 | 73799-8011 |
|                         |                             | 73799-8012            | 73799-8013 | 73799-8014 | 73799-8015 | 73799-8016 | 73799-8017 |
|                         |                             | 73799-8018            | 73799-8200 | 73799-8201 | 73799-8202 | 73799-8203 | 73799-8204 |
|                         |                             | 73799-8205            | 73799-8206 | 73799-8207 | 73799-8208 | 73799-8209 | 73799-8210 |
|                         |                             | 73799-8211            | 73799-8212 | 73799-8213 | 73799-8214 | 73799-8215 | 73799-8216 |
|                         |                             | 73799-8217            | 73799-8218 |            |            |            |            |
|                         |                             | 73799-9000            | 73799-9001 | 73799-9002 | 73799-9003 | 73799-9004 | 73799-9005 |
|                         |                             | 73799-9006            | 73799-9007 | 73799-9008 | 73799-9009 | 73799-9010 | 73799-9011 |
|                         |                             | 73799-9012            | 73799-9013 | 73799-9014 | 73799-9015 | 73799-9016 | 73799-9017 |
|                         |                             | 73799-9018            | 73799-9200 | 73799-9201 | 73799-9202 | 73799-9203 | 73799-9204 |
|                         |                             | 73799-9205            | 73799-9206 | 73799-9207 | 73799-9208 | 73799-9209 | 73799-9210 |
|                         |                             | 73799-9211            | 73799-9212 | 73799-9213 | 73799-9214 | 73799-9215 | 73799-9216 |
|                         |                             | 73799-9217            | 73799-9218 |            |            |            |            |
| 73942                   | Open End                    | 73942-0000            | 73942-0100 | 73942-0200 | 73942-1000 | 73942-1100 | 73942-1200 |
|                         |                             | 73942-2000            | 73942-2100 | 73942-2200 | 73942-3000 | 73942-3100 | 73942-3200 |
|                         |                             | 73942-4000            | 73942-4100 | 73942-4200 | 73942-5000 | 73942-5100 | 73942-5200 |
|                         |                             | 73942-6000            | 73942-6100 | 73942-6200 | 73942-7000 | 73942-7100 | 73942-7200 |
| 73943                   | Closed End                  | 73943-0000            | 73943-0100 | 73943-0200 | 73943-1000 | 73943-1100 | 73943-1200 |
|                         |                             | 73943-2000            | 73943-2100 | 73943-2200 | 73943-3000 | 73943-3100 | 73943-3200 |
|                         |                             | 73943-4000            | 73943-4100 | 73943-4200 | 73943-5000 | 73943-5100 | 73943-5200 |
|                         |                             | 73943-6000            | 73943-6100 | 73943-6200 | 73943-7000 | 73943-7100 | 73943-7200 |
| 73944                   |                             | 73944-0000            | 73944-0001 | 73944-0002 | 73944-0003 | 73944-0004 | 73944-0005 |

| Connector<br>Series Number | Style                 | Assembly Order Number |            |            |            |            |            |
|----------------------------|-----------------------|-----------------------|------------|------------|------------|------------|------------|
| 73944                      | Polar Guide<br>Option | 73944-0006            | 73944-0007 | 73944-0008 | 73944-0009 | 73944-0010 | 73944-0011 |
|                            |                       | 73944-0012            | 73944-0013 | 73944-0014 | 73944-0015 | 73944-0016 | 73944-0017 |
|                            |                       | 73944-0018            | 73944-0100 | 73944-0101 | 73944-0102 | 73944-0103 | 73944-0104 |
|                            |                       | 73944-0105            | 73944-0106 | 73944-0107 | 73944-0108 | 73944-0109 | 73944-0110 |
|                            |                       | 73944-0111            | 73944-0112 | 73944-0113 | 73944-0114 | 73944-0115 | 73944-0116 |
|                            |                       | 73944-0117            | 73944-0118 | 73944-0200 | 73944-0201 | 73944-0202 | 73944-0203 |
|                            |                       | 73944-0204            | 73944-0205 | 73944-0206 | 73944-0207 | 73944-0208 | 73944-0209 |
|                            |                       | 73944-0210            | 73944-0211 | 73944-0212 | 73944-0213 | 73944-0214 | 73944-0215 |
|                            |                       | 73944-0216            | 73944-0217 | 73944-0218 |            |            |            |
|                            |                       | 73944-1000            | 73944-1001 | 73944-1002 | 73944-1003 | 73944-1004 | 73944-1005 |
|                            |                       | 73944-1006            | 73944-1007 | 73944-1008 | 73944-1009 | 73944-1010 | 73944-1011 |
|                            |                       | 73944-1012            | 73944-1013 | 73944-1014 | 73944-1015 | 73944-1016 | 73944-1017 |
|                            |                       | 73944-1018            | 73944-1100 | 73944-1101 | 73944-1102 | 73944-1103 | 73944-1104 |
|                            |                       | 73944-1105            | 73944-1106 | 73944-1107 | 73944-1108 | 73944-1109 | 73944-1110 |
|                            |                       | 73944-1111            | 73944-1112 | 73944-1113 | 73944-1114 | 73944-1115 | 73944-1116 |
|                            |                       | 73944-1117            | 73944-1118 | 73944-1200 | 73944-1201 | 73944-1202 | 73944-1203 |
|                            |                       | 73944-1204            | 73944-1205 | 73944-1206 | 73944-1207 | 73944-1208 | 73944-1209 |
|                            |                       | 73944-1210            | 73944-1211 | 73944-1212 | 73944-1213 | 73944-1214 | 73944-1215 |
|                            |                       | 73944-1216            | 73944-1217 | 73944-1218 |            |            |            |
|                            |                       | 73944-2000            | 73944-2001 | 73944-2002 | 73944-2003 | 73944-2004 | 73944-2005 |
|                            |                       | 73944-2006            | 73944-2007 | 73944-2008 | 73944-2009 | 73944-2010 | 73944-2011 |
|                            |                       | 73944-2012            | 73944-2013 | 73944-2014 | 73944-2015 | 73944-2016 | 73944-2017 |
|                            |                       | 73944-2018            | 73944-2100 | 73944-2101 | 73944-2102 | 73944-2103 | 73944-2104 |
|                            |                       | 73944-2105            | 73944-2106 | 73944-2107 | 73944-2108 | 73944-2109 | 73944-2110 |
|                            |                       | 73944-2111            | 73944-2112 | 73944-2113 | 73944-2114 | 73944-2115 | 73944-2116 |
|                            |                       | 73944-2117            | 73944-2118 | 73944-2200 | 73944-2201 | 73944-2202 | 73944-2203 |
|                            |                       | 73944-2204            | 73944-2205 | 73944-2206 | 73944-2207 | 73944-2208 | 73944-2209 |
|                            |                       | 73944-2210            | 73944-2211 | 73944-2212 | 73944-2213 | 73944-2214 | 73944-2215 |
|                            |                       | 73944-2216            | 73944-2217 | 73944-2218 |            |            |            |
|                            |                       | 73944-3000            | 73944-3001 | 73944-3002 | 73944-3003 | 73944-3004 | 73944-3005 |
|                            |                       | 73944-3006            | 73944-3007 | 73944-3008 | 73944-3009 | 73944-3010 | 73944-3011 |
|                            |                       | 73944-3012            | 73944-3013 | 73944-3014 | 73944-3015 | 73944-3016 | 73944-3017 |
|                            |                       | 73944-3018            | 73944-3100 | 73944-3101 | 73944-3102 | 73944-3103 | 73944-3104 |
|                            |                       | 73944-3105            | 73944-3106 | 73944-3107 | 73944-3108 | 73944-3109 | 73944-3110 |
|                            |                       | 73944-3111            | 73944-3112 | 73944-3113 | 73944-3114 | 73944-3115 | 73944-3116 |
|                            |                       | 73944-3117            | 73944-3118 | 73944-3200 | 73944-3201 | 73944-3202 | 73944-3203 |
|                            |                       | 73944-3204            | 73944-3205 | 73944-3206 | 73944-3207 | 73944-3208 | 73944-3209 |
|                            |                       | 73944-3210            | 73944-3211 | 73944-3212 | 73944-3213 | 73944-3214 | 73944-3215 |
|                            |                       | 73944-3216            | 73944-3217 | 73944-3218 |            |            |            |
|                            |                       | 73944-4000            | 73944-4001 | 73944-4002 | 73944-4003 | 73944-4004 | 73944-4005 |
|                            |                       | 73944-4006            | 73944-4007 | 73944-4008 | 73944-4009 | 73944-4010 | 73944-4011 |
|                            |                       | 73944-4012            | 73944-4013 | 73944-4014 | 73944-4015 | 73944-4016 | 73944-4017 |
|                            |                       | 73944-4018            | 73944-4100 | 73944-4101 | 73944-4102 | 73944-4103 | 73944-4104 |
|                            |                       | 73944-4105            | 73944-4106 | 73944-4107 | 73944-4108 | 73944-4109 | 73944-4110 |
|                            |                       | 73944-4111            | 73944-4112 | 73944-4113 | 73944-4114 | 73944-4115 | 73944-4116 |
|                            |                       | 73944-4117            | 73944-4118 | 73944-4200 | 73944-4201 | 73944-4202 | 73944-4203 |
|                            |                       | 73944-4204            | 73944-4205 | 73944-4206 | 73944-4207 | 73944-4208 | 73944-4209 |
|                            |                       | 73944-4210            | 73944-4211 | 73944-4212 | 73944-4213 | 73944-4214 | 73944-4215 |
|                            |                       | 73944-4216            | 73944-4217 | 73944-4218 |            |            |            |
|                            |                       | 73944-5000            | 73944-5001 | 73944-5002 | 73944-5003 | 73944-5004 | 73944-5005 |
|                            |                       | 73944-5006            | 73944-5007 | 73944-5008 | 73944-5009 | 73944-5010 | 73944-5011 |
|                            |                       | 73944-5012            | 73944-5013 | 73944-5014 | 73944-5015 | 73944-5016 | 73944-5017 |
|                            |                       | 73944-5018            | 73944-5100 | 73944-5101 | 73944-5102 | 73944-5103 | 73944-5104 |
|                            |                       | 73944-5105            | 73944-5106 | 73944-5107 | 73944-5108 | 73944-5109 | 73944-5110 |

| Connector<br>Series Number | Style                   | Assembly Order Number |            |            |            |            |            |
|----------------------------|-------------------------|-----------------------|------------|------------|------------|------------|------------|
| 73944                      | Polar Guide<br>Option   | 73944-5111            | 73944-5112 | 73944-5113 | 73944-5114 | 73944-5115 | 73944-5116 |
|                            |                         | 73944-5117            | 73944-5118 | 73944-5200 | 73944-5201 | 73944-5202 | 73944-5203 |
|                            |                         | 73944-5204            | 73944-5205 | 73944-5206 | 73944-5207 | 73944-5208 | 73944-5209 |
|                            |                         | 73944-5210            | 73944-5211 | 73944-5212 | 73944-5213 | 73944-5214 | 73944-5215 |
|                            |                         | 73944-5216            | 73944-5217 | 73944-5218 |            |            |            |
|                            |                         | 73944-6000            | 73944-6001 | 73944-6002 | 73944-6003 | 73944-6004 | 73944-6005 |
|                            |                         | 73944-6006            | 73944-6007 | 73944-6008 | 73944-6009 | 73944-6010 | 73944-6011 |
|                            |                         | 73944-6012            | 73944-6013 | 73944-6014 | 73944-6015 | 73944-6016 | 73944-6017 |
|                            |                         | 73944-6018            | 73944-6100 | 73944-6101 | 73944-6102 | 73944-6103 | 73944-6104 |
|                            |                         | 73944-6105            | 73944-6106 | 73944-6107 | 73944-6108 | 73944-6109 | 73944-6110 |
|                            |                         | 73944-6111            | 73944-6112 | 73944-6113 | 73944-6114 | 73944-6115 | 73944-6116 |
|                            |                         | 73944-6117            | 73944-6118 | 73944-6200 | 73944-6201 | 73944-6202 | 73944-6203 |
|                            |                         | 73944-6204            | 73944-6205 | 73944-6206 | 73944-6207 | 73944-6208 | 73944-6209 |
|                            |                         | 73944-6210            | 73944-6211 | 73944-6212 | 73944-6213 | 73944-6214 | 73944-6215 |
|                            |                         | 73944-6216            | 73944-6217 | 73944-6218 |            |            |            |
|                            |                         | 73944-7000            | 73944-7001 | 73944-7002 | 73944-7003 | 73944-7004 | 73944-7005 |
|                            |                         | 73944-7006            | 73944-7007 | 73944-7008 | 73944-7009 | 73944-7010 | 73944-7011 |
|                            |                         | 73944-7012            | 73944-7013 | 73944-7014 | 73944-7015 | 73944-7016 | 73944-7017 |
|                            |                         | 73944-7018            | 73944-7100 | 73944-7101 | 73944-7102 | 73944-7103 | 73944-7104 |
|                            |                         | 73944-7105            | 73944-7106 | 73944-7107 | 73944-7108 | 73944-7109 | 73944-7110 |
|                            |                         | 73944-7111            | 73944-7112 | 73944-7113 | 73944-7114 | 73944-7115 | 73944-7116 |
|                            |                         | 73944-7117            | 73944-7118 | 73944-7200 | 73944-7201 | 73944-7202 | 73944-7203 |
|                            |                         | 73944-7204            | 73944-7205 | 73944-7206 | 73944-7207 | 73944-7208 | 73944-7209 |
|                            |                         | 73944-7210            | 73944-7211 | 73944-7212 | 73944-7213 | 73944-7214 | 73944-7215 |
|                            |                         | 73944-7216            | 73944-7217 | 73944-7218 |            |            |            |
| 74349                      | Double<br>Ended<br>Wall | 74349-0000            | 74349-0010 | 74349-0100 | 74349-0110 | 74349-0200 | 74349-0210 |
|                            |                         | 74349-1010            | 74349-1011 | 74349-1012 | 74349-1013 | 74349-1110 | 74349-1111 |
|                            |                         | 74349-1112            | 74349-1113 | 74349-2010 | 74349-2011 | 74349-2012 | 74349-2013 |
|                            |                         | 74349-0090            |            |            |            |            |            |
| 74992                      | Double<br>Ended Wall    | 74992-0000            | 74992-0001 | 74992-0002 | 74992-0003 | 74992-0004 | 74992-0005 |
|                            |                         | 74992-0010            | 74992-0011 | 74992-0012 | 74992-0013 | 74992-0014 | 74992-0015 |
|                            |                         | 74992-0100            | 74992-0101 | 74992-0102 | 74992-0103 | 74992-0104 | 74992-0105 |
|                            |                         | 74992-0110            | 74992-0111 | 74992-0112 | 74992-0113 | 74992-0114 | 74992-0115 |
|                            |                         | 74992-0200            | 74992-0201 | 74992-0202 | 74992-0203 | 74992-0204 | 74992-0205 |
|                            |                         | 74992-0210            | 74992-0211 | 74992-0212 | 74992-0213 | 74992-0214 | 74992-0215 |
|                            |                         | 74992-1000            | 74992-1001 | 74992-1002 | 74992-1003 | 74992-1004 | 74992-1005 |
|                            |                         | 74992-1010            | 74992-1011 | 74992-1012 | 74992-1013 | 74992-1014 | 74992-1015 |
|                            |                         | 74992-1100            | 74992-1101 | 74992-1102 | 74992-1103 | 74992-1104 | 74992-1105 |
|                            |                         | 74992-1110            | 74992-1111 | 74992-1112 | 74992-1113 | 74992-1114 | 74992-1115 |
|                            |                         | 74992-1200            | 74992-1201 | 74992-1202 | 74992-1203 | 74992-1204 | 74992-1205 |
|                            |                         | 74992-1210            | 74992-1211 | 74992-1212 | 74992-1213 | 74992-1214 | 74992-1215 |
|                            |                         | 74992-2000            | 74992-2001 | 74992-2002 | 74992-2003 | 74992-2004 | 74992-2005 |
|                            |                         | 74992-2010            | 74992-2011 | 74992-2012 | 74992-2013 | 74992-2014 | 74992-2015 |
|                            |                         | 74992-2100            | 74992-2101 | 74992-2102 | 74992-2103 | 74992-2104 | 74992-2105 |
|                            |                         | 74992-2110            | 74992-2111 | 74992-2112 | 74992-2113 | 74992-2114 | 74992-2115 |
|                            |                         | 74992-2200            | 74992-2201 | 74992-2202 | 74992-2203 | 74992-2204 | 74992-2205 |
|                            |                         | 74992-2210            | 74992-2211 | 74992-2212 | 74992-2213 | 74992-2214 | 74992-2215 |
|                            |                         | 74992-3000            | 74992-3001 | 74992-3002 | 74992-3003 | 74992-3004 | 74992-3005 |
|                            |                         | 74992-3010            | 74992-3011 | 74992-3012 | 74992-3013 | 74992-3014 | 74992-3015 |
|                            |                         | 74992-3100            | 74992-3101 | 74992-3102 | 74992-3103 | 74992-3104 | 74992-3105 |
|                            |                         | 74992-3110            | 74992-3111 | 74992-3112 | 74992-3113 | 74992-3114 | 74992-3115 |
|                            |                         | 74992-3200            | 74992-3201 | 74992-3202 | 74992-3203 | 74992-3204 | 74992-3205 |
|                            |                         | 74992-3210            | 74992-3211 | 74992-3212 | 74992-3213 | 74992-3214 | 74992-3215 |



## DESCRIPTION

The Single Contact Knockout Tool is designed to remove a single compliant contact from a connector and printed circuit board.

It is 66mm (2.6 in.) long by 8mm (.31 in.) diameter, and weights about 0.03kg (1 oz.). See Figure 1.

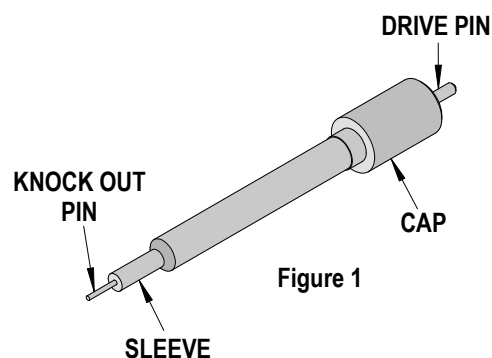


Figure 1

**WARNING:** Great care must be taken when removing contacts from a connector and printed circuit board. It is very easy to damage the plating on a through-plated hole.

## OPERATION:

There are (4) different conditions when removing a single backplane contact from a connector. See Figure 2. Each condition requires a different removal technique. Some may require additional tooling.

### Example No.1

If contact is intact use Removal Option No.1 or No.2.

### Example No.2

If contact mating post is broken off use Removal Option No.1 or No.2.

### Example No.3

If contact flag is broken off, and part of the contact is above board surface, use Removal Option No.1 or No.2.

### Example No.4

If contact flag is broken off, and remainder of contact is below the board surface, use Removal Option No.3.

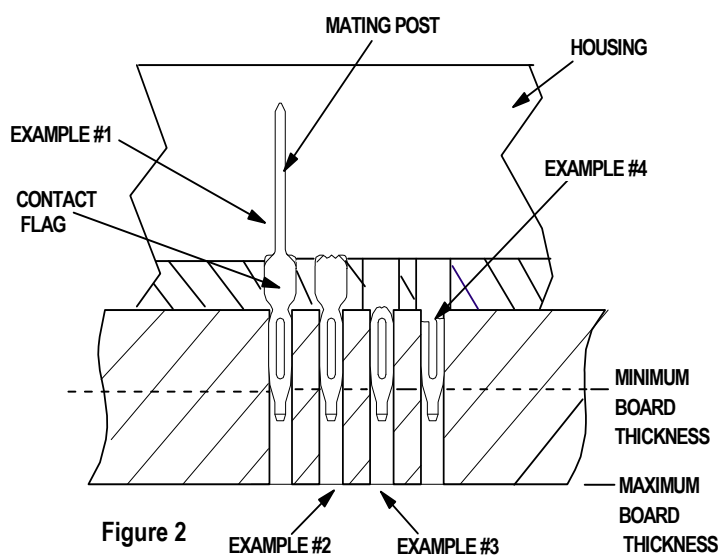
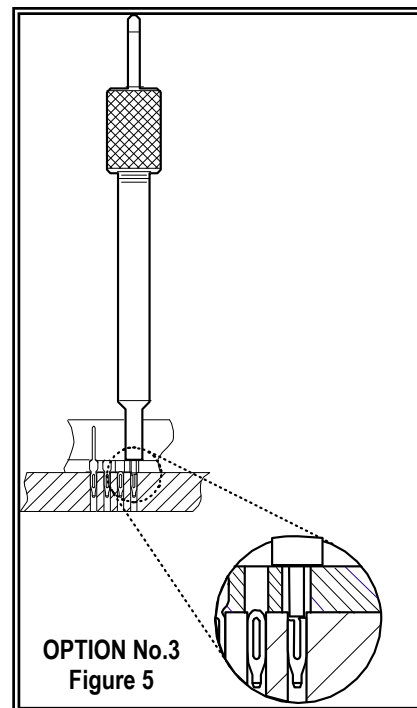
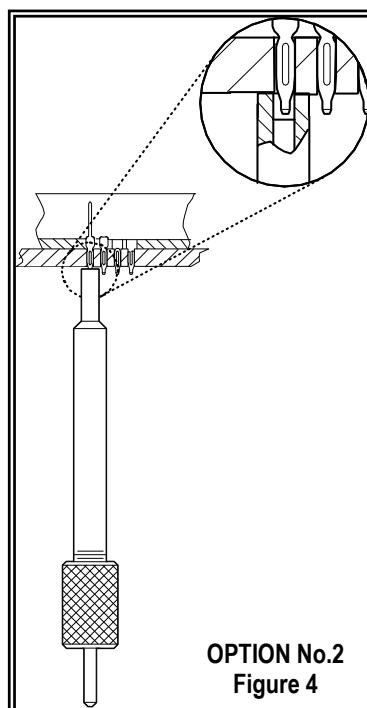
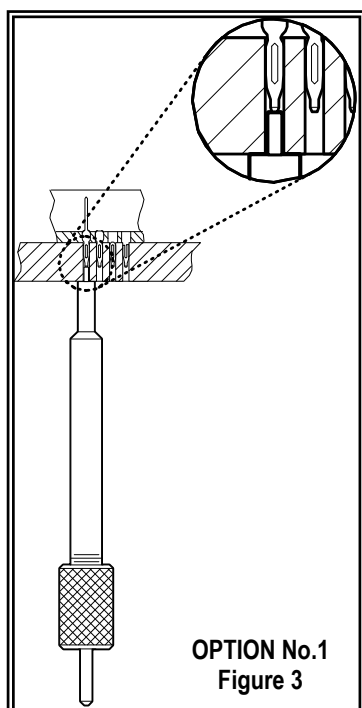


Figure 2



## Removing a Contact Pin (See Figure 1)

### Option No.1

If the printed circuit board is too thick and the contact pin does not protrude from the back, use the Knockout Tool by placing it into the contact hole of the damaged contact pin from the back of the printed circuit board. Gently tap the drive pin of the knockout tool with a small hammer until the contact becomes loose. Then gently pull it out. See Figure 3.

**WARNING:** Eye protection should be worn when using a hammer.

### Option No.2

If the printed circuit board is too thin and the contact pin sticks out the back, use the Knockout Tool by placing the sleeve over the damaged contact pin from the back of the printed circuit board. Gently tap the drive pin of the knockout tool with a small hammer until the contact becomes loose. Then gently pull it out. See Figure 4.

### Option No.3

To use the Knockout Tool from the top of the printed circuit board, place it into the contact hole where the damaged pin is located. Gently tap the drive pin of the knockout tool with a small hammer until the contact becomes loose. Then gently pull it out. See Figure 5.

Molex does not offer repair parts for the Knockout Tool due to the inexpensive nature of these tools.

<http://www.molex.com>



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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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