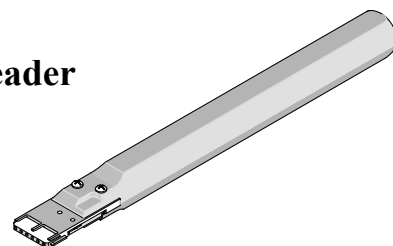




**VHDM<sup>®</sup> and VHDM-HSD<sup>™</sup> Backplane Header  
Pin and Shield Replacement Tool  
Specification Sheet  
Order No 62201-5800**



**FEATURES**

- This tool is used for the replacement of damaged Backplane Shields. It can also install a complete row of signal pins
- Lightweight tool that is easy to use
- See 62201-0999 VHDM<sup>®</sup> and VHDM-HSD<sup>™</sup> Installation and Repair Tooling Operation Manual for more information on tooling, presses and repair

**SCOPE**

Products: 2.00mm (.079") Pitch VHDM<sup>®</sup> Backplane Header Module Assemblies, 6-Row, Series 74057, 74058, and 74059.  
VHDM-H<sup>®</sup> Backplane Header, Signal Module Assemblies, 6-Row for Series 76761, 76762, and 76763. See Product List below for specific part numbers.

**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).

| Series No. and Description        | Assembly Order No. |            |            |            |            |            |
|-----------------------------------|--------------------|------------|------------|------------|------------|------------|
| 74057<br>VHDM 6 Row<br>Open End   | 74057-1001         | 74057-1002 | 74057-1003 | 74057-1004 | 74057-1006 | 74057-1007 |
|                                   | 74057-1008         | 74057-1009 | 74057-1501 | 74057-1502 | 74057-1503 | 74057-1504 |
|                                   | 74057-1506         | 74057-1507 | 74057-1508 | 74057-1509 | 74057-2501 | 74057-2502 |
|                                   | 74057-2503         | 74057-2504 | 74057-2506 | 74057-2507 | 74057-2508 | 74057-2509 |
|                                   | 74057-8501         | 74057-8502 | 74057-8503 | 74057-8504 | 74057-8506 | 74057-8507 |
|                                   | 74057-8508         | 74057-8509 | 74057-9001 | 74057-9002 | 74057-9003 | 74057-9004 |
|                                   | 74057-9006         | 74057-9007 | 74057-9008 | 74057-9009 | 74057-9501 | 74057-9502 |
|                                   | 74057-9503         | 74057-9504 | 74057-9506 | 74057-9507 | 74057-9508 | 74057-9509 |
| 74058<br>VHDM 6 Row<br>Signal End | 74058-1001         | 74058-1002 | 74058-1003 | 74058-1004 | 74058-1006 | 74058-1007 |
|                                   | 74058-1008         | 74058-1009 | 74058-1011 | 74058-1012 | 74058-1013 | 74058-1014 |
|                                   | 74058-1016         | 74058-1017 | 74058-1018 | 74058-1019 | 74058-1021 | 74058-1022 |
|                                   | 74058-1023         | 74058-1024 | 74058-1026 | 74058-1027 | 74058-1028 | 74058-1029 |
|                                   | 74058-1031         | 74058-1032 | 74058-1033 | 74058-1034 | 74058-1036 | 74058-1037 |

| Series No. and Description        | Assembly Order No. |            |            |            |            |            |
|-----------------------------------|--------------------|------------|------------|------------|------------|------------|
| 74058<br>VHDM 6 Row<br>Signal End | 74058-1038         | 74058-1039 | 74058-1041 | 74058-1042 | 74058-1043 | 74058-1044 |
|                                   | 74058-1046         | 74058-1047 | 74058-1048 | 74058-1049 | 74058-1051 | 74058-1052 |
|                                   | 74058-1053         | 74058-1054 | 74058-1056 | 74058-1057 | 74058-1058 | 74058-1059 |
|                                   | 74058-1061         | 74058-1062 | 74058-1063 | 74058-1064 | 74058-1066 | 74058-1067 |
|                                   | 74058-1068         | 74058-1069 | 74058-1071 | 74058-1072 | 74058-1073 | 74058-1074 |
|                                   | 74058-1076         | 74058-1077 | 74058-1078 | 74058-1079 | 74058-1081 | 74058-1082 |
|                                   | 74058-1083         | 74058-1084 | 74058-1086 | 74058-1087 | 74058-1088 | 74058-1089 |
|                                   | 74058-2501         | 74058-2502 | 74058-2503 | 74058-2504 | 74058-2506 | 74058-2507 |
|                                   | 74058-2508         | 74058-2509 | 74058-2511 | 74058-2512 | 74058-2513 | 74058-2514 |
|                                   | 74058-2516         | 74058-2517 | 74058-2518 | 74058-2519 | 74058-2521 | 74058-2522 |
|                                   | 74058-2523         | 74058-2524 | 74058-2526 | 74058-2527 | 74058-2528 | 74058-2529 |
|                                   | 74058-2531         | 74058-2532 | 74058-2533 | 74058-2534 | 74058-2536 | 74058-2537 |
|                                   | 74058-2538         | 74058-2539 | 74058-2541 | 74058-2542 | 74058-2543 | 74058-2544 |
|                                   | 74058-2546         | 74058-2547 | 74058-2548 | 74058-2549 | 74058-2551 | 74058-2552 |
|                                   | 74058-2553         | 74058-2554 | 74058-2556 | 74058-2557 | 74058-2558 | 74058-2559 |
|                                   | 74058-2561         | 74058-2562 | 74058-2563 | 74058-2564 | 74058-2566 | 74058-2567 |
|                                   | 74058-2568         | 74058-2569 | 74058-2571 | 74058-2572 | 74058-2573 | 74058-2574 |
|                                   | 74058-2576         | 74058-2577 | 74058-2578 | 74058-2579 | 74058-2581 | 74058-2582 |
|                                   | 74058-2583         | 74058-2584 | 74058-2586 | 74058-2587 | 74058-2588 | 74058-2589 |
|                                   | 74058-8501         | 74058-8502 | 74058-8503 | 74058-8504 | 74058-8506 | 74058-8507 |
|                                   | 74058-8508         | 74058-8509 | 74058-8511 | 74058-8512 | 74058-8513 | 74058-8514 |
|                                   | 74058-8516         | 74058-8517 | 74058-8518 | 74058-8519 | 74058-8521 | 74058-8522 |
|                                   | 74058-8523         | 74058-8524 | 74058-8526 | 74058-8527 | 74058-8528 | 74058-8529 |
|                                   | 74058-8531         | 74058-8532 | 74058-8533 | 74058-8534 | 74058-8536 | 74058-8537 |
|                                   | 74058-8538         | 74058-8539 | 74058-8541 | 74058-8542 | 74058-8543 | 74058-8544 |
|                                   | 74058-8546         | 74058-8547 | 74058-8548 | 74058-8549 | 74058-8551 | 74058-8552 |
|                                   | 74058-8553         | 74058-8554 | 74058-8556 | 74058-8557 | 74058-8558 | 74058-8559 |
|                                   | 74058-8561         | 74058-8562 | 74058-8563 | 74058-8564 | 74058-8566 | 74058-8567 |

| Series No. and Description        | Assembly Order No. |            |            |            |            |            |
|-----------------------------------|--------------------|------------|------------|------------|------------|------------|
|                                   | 74058-8568         | 74058-8569 | 74058-8571 | 74058-8572 | 74058-8573 | 74058-8574 |
|                                   | 74058-8576         | 74058-8577 | 74058-8578 | 74058-8579 | 74058-8581 | 74058-8582 |
|                                   | 74058-8583         | 74058-8584 | 74058-8586 | 74058-8587 | 74058-8588 | 74058-8589 |
|                                   | 74058-9001         | 74058-9002 | 74058-9003 | 74058-9004 | 74058-9006 | 74058-9007 |
|                                   | 74058-9008         | 74058-9009 | 74058-9011 | 74058-9012 | 74058-9013 | 74058-9014 |
|                                   | 74058-9016         | 74058-9017 | 74058-9018 | 74058-9019 | 74058-9021 | 74058-9022 |
|                                   | 74058-9023         | 74058-9024 | 74058-9026 | 74058-9027 | 74058-9028 | 74058-9029 |
|                                   | 74058-9031         | 74058-9032 | 74058-9033 | 74058-9034 | 74058-9036 | 74058-9037 |
|                                   | 74058-9038         | 74058-9039 | 74058-9041 | 74058-9042 | 74058-9043 | 74058-9044 |
|                                   | 74058-9046         | 74058-9047 | 74058-9048 | 74058-9049 | 74058-9051 | 74058-9052 |
|                                   | 74058-9053         | 74058-9054 | 74058-9056 | 74058-9057 | 74058-9058 | 74058-9059 |
|                                   | 74058-9061         | 74058-9062 | 74058-9063 | 74058-9064 | 74058-9066 | 74058-9067 |
|                                   | 74058-9068         | 74058-9069 | 74058-9071 | 74058-9072 | 74058-9073 | 74058-9074 |
|                                   | 74058-9076         | 74058-9077 | 74058-9078 | 74058-9079 | 74058-9081 | 74058-9082 |
|                                   | 74058-9083         | 74058-9084 | 74058-9086 | 74058-9087 | 74058-9088 | 74058-9089 |
| 74059<br>VHDM 6 Row<br>Shield End | 74059-1001         | 74059-1002 | 74059-1003 | 74059-1004 | 74059-1006 | 74059-1007 |
|                                   | 74059-1008         | 74059-1009 | 74059-1011 | 74059-1012 | 74059-1013 | 74059-1014 |
|                                   | 74059-1016         | 74059-1017 | 74059-1018 | 74059-1019 | 74059-1021 | 74059-1022 |
|                                   | 74059-1023         | 74059-1024 | 74059-1026 | 74059-1027 | 74059-1028 | 74059-1029 |
|                                   | 74059-1031         | 74059-1032 | 74059-1033 | 74059-1034 | 74059-1036 | 74059-1037 |
|                                   | 74059-1038         | 74059-1039 | 74059-1041 | 74059-1042 | 74059-1043 | 74059-1044 |
|                                   | 74059-1046         | 74059-1047 | 74059-1048 | 74059-1049 | 74059-1051 | 74059-1052 |
|                                   | 74059-1053         | 74059-1054 | 74059-1056 | 74059-1057 | 74059-1058 | 74059-1059 |
|                                   | 74059-1061         | 74059-1062 | 74059-1063 | 74059-1064 | 74059-1066 | 74059-1067 |
|                                   | 74059-1068         | 74059-1069 | 74059-1071 | 74059-1072 | 74059-1073 | 74059-1074 |
|                                   | 74059-1076         | 74059-1077 | 74059-1078 | 74059-1079 | 74059-1081 | 74059-1082 |
|                                   | 74059-1083         | 74059-1084 | 74059-1086 | 74059-1087 | 74059-1088 | 74059-1089 |
|                                   | 74059-2101         | 74059-2102 | 74059-2103 | 74059-2104 | 74059-2106 | 74059-2107 |

| Series No. and Description        | Assembly Order No. |            |            |            |            |            |
|-----------------------------------|--------------------|------------|------------|------------|------------|------------|
| 74059<br>VHDM 6 Row<br>Shield End | 74059-2108         | 74059-2109 | 74059-2111 | 74059-2112 | 74059-2113 | 74059-2114 |
|                                   | 74059-2116         | 74059-2117 | 74059-2118 | 74059-2119 | 74059-2121 | 74059-2122 |
|                                   | 74059-2123         | 74059-2124 | 74059-2126 | 74059-2127 | 74059-2128 | 74059-2129 |
|                                   | 74059-2131         | 74059-2132 | 74059-2133 | 74059-2134 | 74059-2136 | 74059-2137 |
|                                   | 74059-2138         | 74059-2139 | 74059-2141 | 74059-2142 | 74059-2143 | 74059-2144 |
|                                   | 74059-2146         | 74059-2147 | 74059-2148 | 74059-2149 | 74059-2151 | 74059-2152 |
|                                   | 74059-2153         | 74059-2154 | 74059-2156 | 74059-2157 | 74059-2158 | 74059-2159 |
|                                   | 74059-2161         | 74059-2162 | 74059-2163 | 74059-2164 | 74059-2166 | 74059-2167 |
|                                   | 74059-2168         | 74059-2169 | 74059-2171 | 74059-2172 | 74059-2173 | 74059-2174 |
|                                   | 74059-2176         | 74059-2177 | 74059-2178 | 74059-2179 | 74059-2181 | 74059-2182 |
|                                   | 74059-2183         | 74059-2184 | 74059-2186 | 74059-2187 | 74059-2188 | 74059-2189 |
|                                   | 74059-2501         | 74059-2502 | 74059-2503 | 74059-2504 | 74059-2506 | 74059-2507 |
|                                   | 74059-2508         | 74059-2509 | 74059-2511 | 74059-2512 | 74059-2513 | 74059-2514 |
|                                   | 74059-2516         | 74059-2517 | 74059-2518 | 74059-2519 | 74059-2521 | 74059-2522 |
|                                   | 74059-2523         | 74059-2524 | 74059-2526 | 74059-2527 | 74059-2528 | 74059-2529 |
|                                   | 74059-2531         | 74059-2532 | 74059-2533 | 74059-2534 | 74059-2536 | 74059-2537 |
|                                   | 74059-2538         | 74059-2539 | 74059-2541 | 74059-2542 | 74059-2543 | 74059-2544 |
|                                   | 74059-2546         | 74059-2547 | 74059-2548 | 74059-2549 | 74059-2551 | 74059-2552 |
|                                   | 74059-2553         | 74059-2554 | 74059-2556 | 74059-2557 | 74059-2558 | 74059-2559 |
|                                   | 74059-2561         | 74059-2562 | 74059-2563 | 74059-2564 | 74059-2566 | 74059-2567 |
|                                   | 74059-2568         | 74059-2569 | 74059-2571 | 74059-2572 | 74059-2573 | 74059-2574 |
|                                   | 74059-2576         | 74059-2577 | 74059-2578 | 74059-2579 | 74059-2581 | 74059-2582 |
|                                   | 74059-2583         | 74059-2584 | 74059-2586 | 74059-2587 | 74059-2588 | 74059-2589 |
|                                   | 74059-8101         | 74059-8102 | 74059-8103 | 74059-8104 | 74059-8106 | 74059-8107 |
|                                   | 74059-8108         | 74059-8109 | 74059-8111 | 74059-8112 | 74059-8113 | 74059-8114 |
|                                   | 74059-8116         | 74059-8117 | 74059-8118 | 74059-8119 | 74059-8121 | 74059-8122 |
|                                   | 74059-8123         | 74059-8124 | 74059-8126 | 74059-8127 | 74059-8128 | 74059-8129 |
|                                   | 74059-8131         | 74059-8132 | 74059-8133 | 74059-8134 | 74059-8136 | 74059-8137 |

| Series No. and Description | Assembly Order No. |            |            |            |            |            |
|----------------------------|--------------------|------------|------------|------------|------------|------------|
|                            | 74059-8138         | 74059-8139 | 74059-8141 | 74059-8142 | 74059-8143 | 74059-8144 |
|                            | 74059-8146         | 74059-8147 | 74059-8148 | 74059-8149 | 74059-8151 | 74059-8152 |
|                            | 74059-8153         | 74059-8154 | 74059-8156 | 74059-8157 | 74059-8158 | 74059-8159 |
|                            | 74059-8161         | 74059-8162 | 74059-8163 | 74059-8164 | 74059-8166 | 74059-8167 |
|                            | 74059-8168         | 74059-8169 | 74059-8171 | 74059-8172 | 74059-8173 | 74059-8174 |
|                            | 74059-8176         | 74059-8177 | 74059-8178 | 74059-8179 | 74059-8181 | 74059-8182 |
|                            | 74059-8183         | 74059-8184 | 74059-8186 | 74059-8187 | 74059-8188 | 74059-8189 |
|                            | 74059-8501         | 74059-8502 | 74059-8503 | 74059-8504 | 74059-8506 | 74059-8507 |
|                            | 74059-8508         | 74059-8509 | 74059-8511 | 74059-8512 | 74059-8513 | 74059-8514 |
|                            | 74059-8516         | 74059-8517 | 74059-8518 | 74059-8519 | 74059-8521 | 74059-8522 |
|                            | 74059-8523         | 74059-8524 | 74059-8526 | 74059-8527 | 74059-8528 | 74059-8529 |
|                            | 74059-8531         | 74059-8532 | 74059-8533 | 74059-8534 | 74059-8536 | 74059-8537 |
|                            | 74059-8538         | 74059-8539 | 74059-8541 | 74059-8542 | 74059-8543 | 74059-8544 |
|                            | 74059-8546         | 74059-8547 | 74059-8548 | 74059-8549 | 74059-8551 | 74059-8552 |
|                            | 74059-8553         | 74059-8554 | 74059-8556 | 74059-8557 | 74059-8558 | 74059-8559 |
|                            | 74059-8561         | 74059-8562 | 74059-8563 | 74059-8564 | 74059-8566 | 74059-8567 |
|                            | 74059-8568         | 74059-8569 | 74059-8571 | 74059-8572 | 74059-8573 | 74059-8574 |
|                            | 74059-8576         | 74059-8577 | 74059-8578 | 74059-8579 | 74059-8581 | 74059-8582 |
|                            | 74059-8583         | 74059-8584 | 74059-8586 | 74059-8587 | 74059-8588 | 74059-8589 |
|                            | 74059-9001         | 74059-9002 | 74059-9003 | 74059-9004 | 74059-9006 | 74059-9007 |
|                            | 74059-9008         | 74059-9009 | 74059-9011 | 74059-9012 | 74059-9013 | 74059-9014 |
|                            | 74059-9016         | 74059-9017 | 74059-9018 | 74059-9019 | 74059-9021 | 74059-9022 |
|                            | 74059-9023         | 74059-9024 | 74059-9026 | 74059-9027 | 74059-9028 | 74059-9029 |
|                            | 74059-9031         | 74059-9032 | 74059-9033 | 74059-9034 | 74059-9036 | 74059-9037 |
|                            | 74059-9038         | 74059-9039 | 74059-9041 | 74059-9042 | 74059-9043 | 74059-9044 |
|                            | 74059-9046         | 74059-9047 | 74059-9048 | 74059-9049 | 74059-9051 | 74059-9052 |
|                            | 74059-9053         | 74059-9054 | 74059-9056 | 74059-9057 | 74059-9058 | 74059-9059 |
|                            | 74059-9061         | 74059-9062 | 74059-9063 | 74059-9064 | 74059-9066 | 74059-9067 |

| Series No. and Description          | Assembly Order No.                  |            |            |            |            |            |
|-------------------------------------|-------------------------------------|------------|------------|------------|------------|------------|
|                                     | 74059-9068                          | 74059-9069 | 74059-9071 | 74059-9072 | 74059-9073 | 74059-9074 |
|                                     | 74059-9076                          | 74059-9077 | 74059-9078 | 74059-9079 | 74059-9081 | 74059-9082 |
|                                     | 74059-9083                          | 74059-9084 | 74059-9086 | 74059-9087 | 74059-9088 | 74059-9089 |
| 76761<br>VHDM-H 6 Row<br>Signal End | 76761-1001                          | 76761-1002 | 76761-1003 | 76761-1004 | 76761-1006 | 76761-1007 |
|                                     | 76761-1008                          | 76761-1009 | 76761-1011 | 76761-1012 | 76761-1013 | 76761-1014 |
|                                     | 76761-1016                          | 76761-1017 | 76761-1018 | 76761-1019 | 76761-1021 | 76761-1022 |
|                                     | 76761-1023                          | 76761-1024 | 76761-1026 | 76761-1027 | 76761-1028 | 76761-1029 |
|                                     | 76761-1031                          | 76761-1032 | 76761-1033 | 76761-1034 | 76761-1036 | 76761-1037 |
|                                     | 76761-1038                          | 76761-1039 | 76761-1041 | 76761-1042 | 76761-1043 | 76761-1044 |
|                                     | 76761-1046                          | 76761-1047 | 76761-1048 | 76761-1049 | 76761-1051 | 76761-1052 |
|                                     | 76761-1053                          | 76761-1054 | 76761-1056 | 76761-1057 | 76761-1058 | 76761-1059 |
|                                     | 76761-1061                          | 76761-1062 | 76761-1063 | 76761-1064 | 76761-1066 | 76761-1067 |
|                                     | 76761-1068                          | 76761-1069 | 76761-1071 | 76761-1072 | 76761-1073 | 76761-1074 |
|                                     | 76761<br>VHDM-H 6 Row<br>Signal End | 76761-1076 | 76761-1077 | 76761-1078 | 76761-1079 | 76761-1081 |
| 76761-1083                          |                                     | 76761-1084 | 76761-1086 | 76761-1087 | 76761-1088 | 76761-1089 |
| 76761-2501                          |                                     | 76761-2502 | 76761-2503 | 76761-2504 | 76761-2506 | 76761-2507 |
| 76761-2508                          |                                     | 76761-2509 | 76761-2511 | 76761-2512 | 76761-2513 | 76761-2514 |
| 76761-2516                          |                                     | 76761-2517 | 76761-2518 | 76761-2519 | 76761-2521 | 76761-2522 |
| 76761-2523                          |                                     | 76761-2524 | 76761-2526 | 76761-2527 | 76761-2528 | 76761-2529 |
| 76761-2531                          |                                     | 76761-2532 | 76761-2533 | 76761-2534 | 76761-2536 | 76761-2537 |
| 76761-2538                          |                                     | 76761-2539 | 76761-2541 | 76761-2542 | 76761-2543 | 76761-2544 |
| 76761-2546                          |                                     | 76761-2547 | 76761-2548 | 76761-2549 | 76761-2551 | 76761-2552 |
| 76761-2553                          |                                     | 76761-2554 | 76761-2556 | 76761-2557 | 76761-2558 | 76761-2559 |
| 76761-2561                          |                                     | 76761-2562 | 76761-2563 | 76761-2564 | 76761-2566 | 76761-2567 |
| 76761-2568                          |                                     | 76761-2569 | 76761-2571 | 76761-2572 | 76761-2573 | 76761-2574 |
| 76761-2576                          |                                     | 76761-2577 | 76761-2578 | 76761-2579 | 76761-2581 | 76761-2582 |
| 76761-2583                          |                                     | 76761-2584 | 76761-2586 | 76761-2587 | 76761-2588 | 76761-2589 |
| 76761-8501                          |                                     | 76761-8502 | 76761-8503 | 76761-8504 | 76761-8506 | 76761-8507 |

| Series No. and Description          | Assembly Order No. |            |            |            |            |            |
|-------------------------------------|--------------------|------------|------------|------------|------------|------------|
|                                     | 76761-8508         | 76761-8509 | 76761-8511 | 76761-8512 | 76761-8513 | 76761-8514 |
|                                     | 76761-8516         | 76761-8517 | 76761-8518 | 76761-8519 | 76761-8521 | 76761-8522 |
|                                     | 76761-8523         | 76761-8524 | 76761-8526 | 76761-8527 | 76761-8528 | 76761-8529 |
|                                     | 76761-8531         | 76761-8532 | 76761-8533 | 76761-8534 | 76761-8536 | 76761-8537 |
|                                     | 76761-8538         | 76761-8539 | 76761-8541 | 76761-8542 | 76761-8543 | 76761-8544 |
|                                     | 76761-8546         | 76761-8547 | 76761-8548 | 76761-8549 | 76761-8551 | 76761-8552 |
|                                     | 76761-8553         | 76761-8554 | 76761-8556 | 76761-8557 | 76761-8558 | 76761-8559 |
|                                     | 76761-8561         | 76761-8562 | 76761-8563 | 76761-8564 | 76761-8566 | 76761-8567 |
|                                     | 76761-8568         | 76761-8569 | 76761-8571 | 76761-8572 | 76761-8573 | 76761-8574 |
|                                     | 76761-8576         | 76761-8577 | 76761-8578 | 76761-8579 | 76761-8581 | 76761-8582 |
|                                     | 76761-8583         | 76761-8584 | 76761-8586 | 76761-8587 | 76761-8588 | 76761-8589 |
|                                     | 76761-9001         | 76761-9002 | 76761-9003 | 76761-9004 | 76761-9006 | 76761-9007 |
|                                     | 76761-9008         | 76761-9009 | 76761-9011 | 76761-9012 | 76761-9013 | 76761-9014 |
|                                     | 76761-9016         | 76761-9017 | 76761-9018 | 76761-9019 | 76761-9021 | 76761-9022 |
|                                     | 76761-9023         | 76761-9024 | 76761-9026 | 76761-9027 | 76761-9028 | 76761-9029 |
|                                     | 76761-9031         | 76761-9032 | 76761-9033 | 76761-9034 | 76761-9036 | 76761-9037 |
|                                     | 76761-9038         | 76761-9039 | 76761-9041 | 76761-9042 | 76761-9043 | 76761-9044 |
|                                     | 76761-9046         | 76761-9047 | 76761-9048 | 76761-9049 | 76761-9051 | 76761-9052 |
|                                     | 76761-9053         | 76761-9054 | 76761-9056 | 76761-9057 | 76761-9058 | 76761-9059 |
|                                     | 76761-9061         | 76761-9062 | 76761-9063 | 76761-9064 | 76761-9066 | 76761-9067 |
|                                     | 76761-9068         | 76761-9069 | 76761-9071 | 76761-9072 | 76761-9073 | 76761-9074 |
|                                     | 76761-9076         | 76761-9077 | 76761-9078 | 76761-9079 | 76761-9081 | 76761-9082 |
|                                     | 76761-9083         | 76761-9084 | 76761-9086 | 76761-9087 | 76761-9088 | 76761-9089 |
| 76762<br>VHDM-H 6 Row<br>Shield End | 76762-1001         | 76762-1002 | 76762-1003 | 76762-1004 | 76762-1006 | 76762-1007 |
|                                     | 76762-1008         | 76762-1009 | 76762-1011 | 76762-1012 | 76762-1013 | 76762-1014 |
|                                     | 76762-1016         | 76762-1017 | 76762-1018 | 76762-1019 | 76762-1021 | 76762-1022 |
|                                     | 76762-1023         | 76762-1024 | 76762-1026 | 76762-1027 | 76762-1028 | 76762-1029 |
|                                     | 76762-1031         | 76762-1032 | 76762-1033 | 76762-1034 | 76762-1036 | 76762-1037 |

| Series No. and Description          | Assembly Order No. |            |            |            |            |            |
|-------------------------------------|--------------------|------------|------------|------------|------------|------------|
|                                     | 76762-1038         | 76762-1039 | 76762-1041 | 76762-1042 | 76762-1043 | 76762-1044 |
|                                     | 76762-1046         | 76762-1047 | 76762-1048 | 76762-1049 | 76762-1051 | 76762-1052 |
|                                     | 76762-1053         | 76762-1054 | 76762-1056 | 76762-1057 | 76762-1058 | 76762-1059 |
|                                     | 76762-1061         | 76762-1062 | 76762-1063 | 76762-1064 | 76762-1066 | 76762-1067 |
|                                     | 76762-1068         | 76762-1069 | 76762-1071 | 76762-1072 | 76762-1073 | 76762-1074 |
|                                     | 76762-1076         | 76762-1077 | 76762-1078 | 76762-1079 | 76762-1081 | 76762-1082 |
|                                     | 76762-1083         | 76762-1084 | 76762-1086 | 76762-1087 | 76762-1088 | 76762-1089 |
|                                     | 76762-2501         | 76762-2502 | 76762-2503 | 76762-2504 | 76762-2506 | 76762-2507 |
|                                     | 76762-2508         | 76762-2509 | 76762-2511 | 76762-2512 | 76762-2513 | 76762-2514 |
|                                     | 76762-2516         | 76762-2517 | 76762-2518 | 76762-2519 | 76762-2521 | 76762-2522 |
|                                     | 76762-2523         | 76762-2524 | 76762-2526 | 76762-2527 | 76762-2528 | 76762-2529 |
|                                     | 76762-2531         | 76762-2532 | 76762-2533 | 76762-2534 | 76762-2536 | 76762-2537 |
| 76762<br>VHDM-H 6 Row<br>Shield End | 76762-2538         | 76762-2539 | 76762-2541 | 76762-2542 | 76762-2543 | 76762-2544 |
|                                     | 76762-2546         | 76762-2547 | 76762-2548 | 76762-2549 | 76762-2551 | 76762-2552 |
|                                     | 76762-2553         | 76762-2554 | 76762-2556 | 76762-2557 | 76762-2558 | 76762-2559 |
|                                     | 76762-2561         | 76762-2562 | 76762-2563 | 76762-2564 | 76762-2566 | 76762-2567 |
|                                     | 76762-2568         | 76762-2569 | 76762-2571 | 76762-2572 | 76762-2573 | 76762-2574 |
|                                     | 76762-2576         | 76762-2577 | 76762-2578 | 76762-2579 | 76762-2581 | 76762-2582 |
|                                     | 76762-2583         | 76762-2584 | 76762-2586 | 76762-2587 | 76762-2588 | 76762-2589 |
|                                     | 76762-8501         | 76762-8502 | 76762-8503 | 76762-8504 | 76762-8506 | 76762-8507 |
|                                     | 76762-8508         | 76762-8509 | 76762-8511 | 76762-8512 | 76762-8513 | 76762-8514 |
|                                     | 76762-8516         | 76762-8517 | 76762-8518 | 76762-8519 | 76762-8521 | 76762-8522 |
|                                     | 76762-8523         | 76762-8524 | 76762-8526 | 76762-8527 | 76762-8528 | 76762-8529 |
|                                     | 76762-8531         | 76762-8532 | 76762-8533 | 76762-8534 | 76762-8536 | 76762-8537 |
|                                     | 76762-8538         | 76762-8539 | 76762-8541 | 76762-8542 | 76762-8543 | 76762-8544 |
|                                     | 76762-8546         | 76762-8547 | 76762-8548 | 76762-8549 | 76762-8551 | 76762-8552 |
|                                     | 76762-8553         | 76762-8554 | 76762-8556 | 76762-8557 | 76762-8558 | 76762-8559 |
|                                     | 76762-8561         | 76762-8562 | 76762-8563 | 76762-8564 | 76762-8566 | 76762-8567 |



| Series No. and Description        | Assembly Order No. |            |            |            |            |            |
|-----------------------------------|--------------------|------------|------------|------------|------------|------------|
|                                   | 76762-8568         | 76762-8569 | 76762-8571 | 76762-8572 | 76762-8573 | 76762-8574 |
|                                   | 76762-8576         | 76762-8577 | 76762-8578 | 76762-8579 | 76762-8581 | 76762-8582 |
|                                   | 76762-8583         | 76762-8584 | 76762-8586 | 76762-8587 | 76762-8588 | 76762-8589 |
|                                   | 76762-9001         | 76762-9002 | 76762-9003 | 76762-9004 | 76762-9006 | 76762-9007 |
|                                   | 76762-9008         | 76762-9009 | 76762-9011 | 76762-9012 | 76762-9013 | 76762-9014 |
|                                   | 76762-9016         | 76762-9017 | 76762-9018 | 76762-9019 | 76762-9021 | 76762-9022 |
|                                   | 76762-9023         | 76762-9024 | 76762-9026 | 76762-9027 | 76762-9028 | 76762-9029 |
|                                   | 76762-9031         | 76762-9032 | 76762-9033 | 76762-9034 | 76762-9036 | 76762-9037 |
|                                   | 76762-9038         | 76762-9039 | 76762-9041 | 76762-9042 | 76762-9043 | 76762-9044 |
|                                   | 76762-9046         | 76762-9047 | 76762-9048 | 76762-9049 | 76762-9051 | 76762-9052 |
|                                   | 76762-9053         | 76762-9054 | 76762-9056 | 76762-9057 | 76762-9058 | 76762-9059 |
|                                   | 76762-9061         | 76762-9062 | 76762-9063 | 76762-9064 | 76762-9066 | 76762-9067 |
|                                   | 76762-9068         | 76762-9069 | 76762-9071 | 76762-9072 | 76762-9073 | 76762-9074 |
|                                   | 76762-9076         | 76762-9077 | 76762-9078 | 76762-9079 | 76762-9081 | 76762-9082 |
|                                   | 76762-9083         | 76762-9084 | 76762-9086 | 76762-9087 | 76762-9088 | 76762-9089 |
| 76763<br>VHDM-H 6 Row<br>Open End | 76763-1001         | 76763-1002 | 76763-1003 | 76763-1004 | 76763-1006 | 76763-1007 |
|                                   | 76763-1008         | 76763-1009 | 76763-1501 | 76763-1502 | 76763-1503 | 76763-1504 |
|                                   | 76763-1506         | 76763-1507 | 76763-1508 | 76763-1509 | 76763-2501 | 76763-2502 |
|                                   | 76763-2503         | 76763-2504 | 76763-2506 | 76763-2507 | 76763-2508 | 76763-2509 |
|                                   | 76763-8501         | 76763-8502 | 76763-8503 | 76763-8504 | 76763-8506 | 76763-8507 |
|                                   | 76763-8508         | 76763-8509 | 76763-9001 | 76763-9002 | 76763-9003 | 76763-9004 |
|                                   | 76763-9006         | 76763-9007 | 76763-9008 | 76763-9009 | 76763-9501 | 76763-9502 |
|                                   | 76763-9503         | 76763-9504 | 76763-9506 | 76763-9507 | 76763-9508 | 76763-9509 |

\* VHDM<sup>®</sup> and VHDM-HSD<sup>™</sup> are registered trademarks of Amphenol Corporation.

**DESCRIPTION:**

This shield replacement tool is used for replacement of Backplane shields and inserting a complete row of signal pins in a module for 6-pair \* VHDM<sup>®</sup> and VHDM<sup>®</sup>-H backplane header assemblies.

**Before Operation make sure the damaged parts are removed.** Follow the instructions below.

1. Use the 62201-6000 (6-Row) Shield Extraction Tool to remove the damaged shield. See ATS-622016000 specification sheet for instructions.
2. To remove damaged signal pins, grasp the pins with a needle nose plier and pull straight up from the board.

- In some cases it may be necessary to straighten a bent pin with the tweezers to allow access with the pliers.

**NOTE:** If a signal pin is broken off at the housing surface, it can be pushed out from the other side using a 0.46 to 0.71mm (.018" to .020") diameter steel pin.

- If a single pin or pins need to be replaced, use a 62201-5700 Single Pin Replacement Tool to replace the pin(s). See ATS-622015700 specification sheet for instructions.

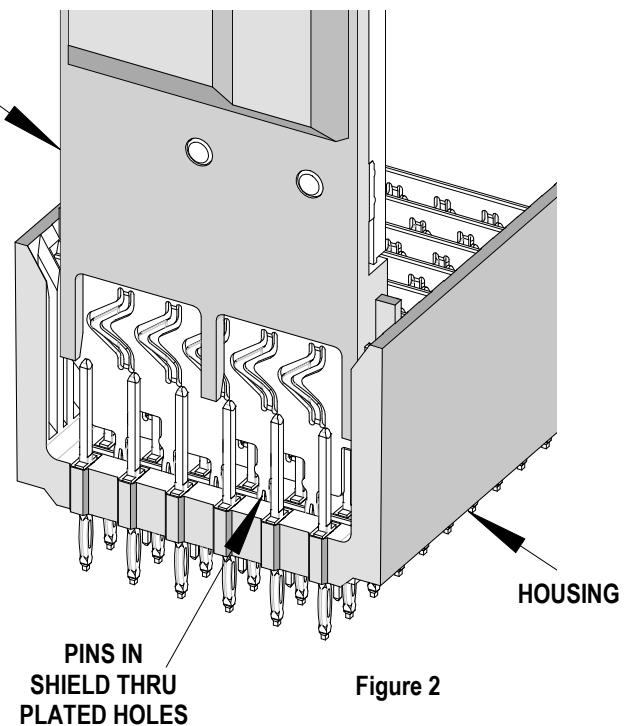
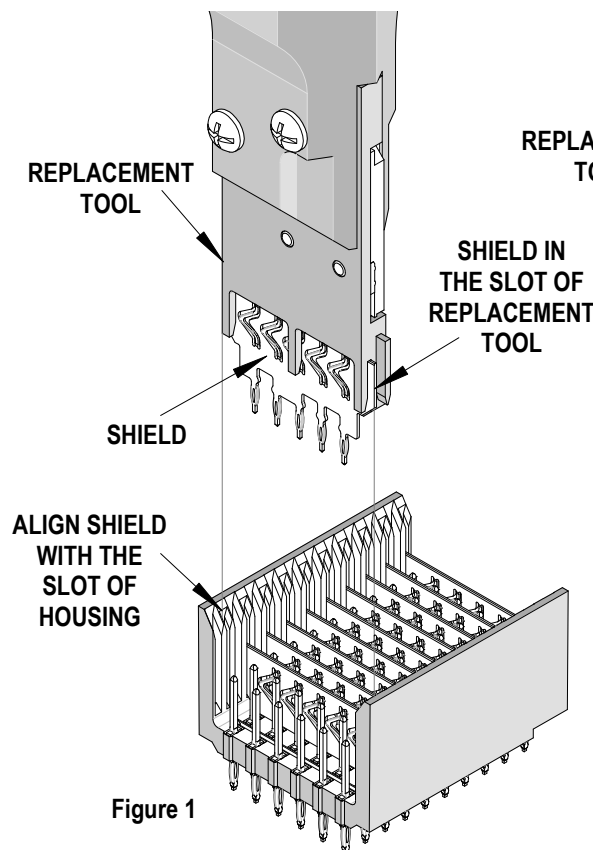
**WARNING:** Once a signal pin has been used, NEVER try to reuse it even though it may look fine. NEVER replace a pin in the same through plated hole more than two (2) times.

## OPERATION:

### REPLACING SHIELDS:

Once a damaged VHDM<sup>®</sup> or VHDM<sup>®</sup>-H shield has been removed follow the instructions below:

- Slide a new shield into the replacement tool until it stops. Make sure it is centered in the tool and is in the proper orientation. See Figure 1.
- Slowly insert the replacement tool into the housing. The ribs on the replacement tool should align with the slots in the housing. Make sure that the replacement tool is clear of any other pins and shields in the housing.



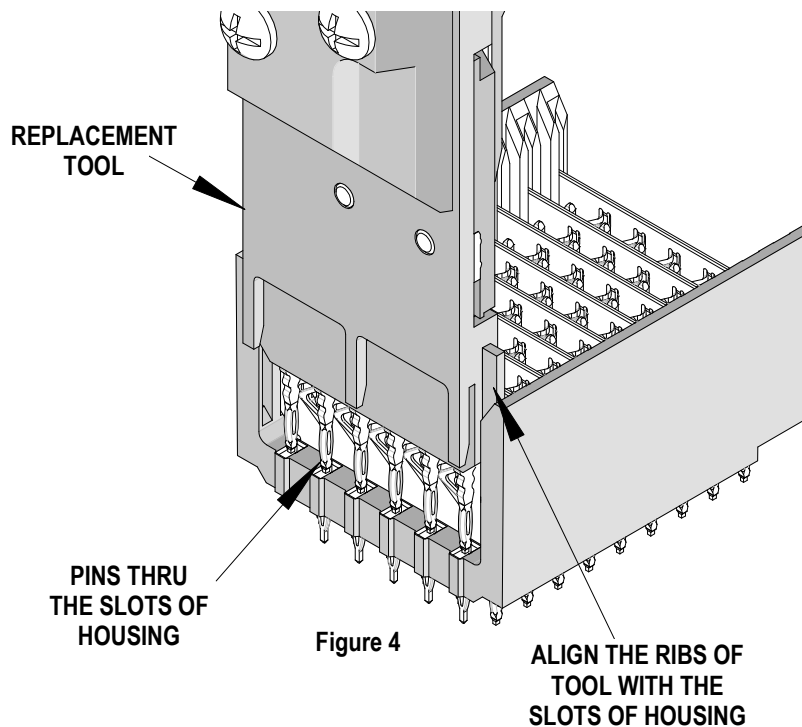
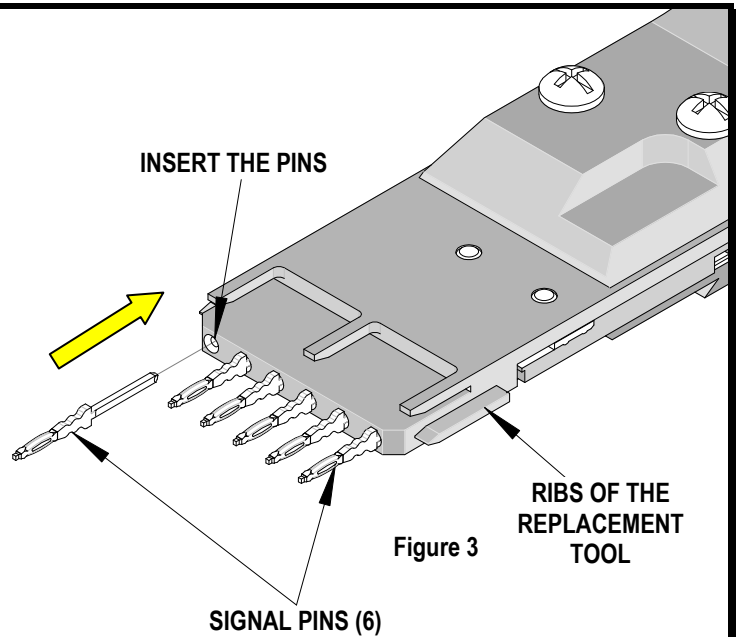
- Gently push the replacement tool down until it stops. The new shield pins should pass through the housing and the plated-through holes in the backplane. See Figure 2.

4. If more force is needed, use a plastic small hammer to aid in seating the shield. Gently tap the top of the replacement tool with the plastic hammer until the shield is fully seated.
5. When the new shield is in place, slowly remove the replacement tool. Be careful not to damage any pins or shields in the connector.

**REPLACING A ROW OF SIGNAL PINS**

After a complete row of signal pins has been removed, follow the steps below to load a new row.

1. Using the same replacement tool insert the (6) signal pins into the holes in the bottom of the tool. Make sure the pin shoulders are flush with the bottom edge of the replacement tool and are in the proper position and direction. See Figure 3.
2. Slowly insert the replacement tool into the housing. The ribs on the replacement tool should align with the slots in the housing. Make sure that the replacement tool is clear of any other pins and shields in the housing.
3. Gently push the replacement tool down so the (6) pins are inserted through the housing and the plated thru holes in the backplane. See Figure 4.
4. If more force is needed, use a plastic small hammer to aid in seating the shield. Gently tap the top of the replacement tool with the plastic hammer until the shield is fully seated.
5. When the new pins are in place, slowly remove the replacement tool. Be careful not to damage any signal pins or shields in the connector.



Molex does not offer repair parts for this tool due to the inexpensive nature of the tool.

## Maintenance

It is recommended that each operator of the tool be made aware of, and responsible for, the following maintenance steps:

1. Remove dust, moisture, and other contaminants with a clean brush, or soft, lint free cloth.
2. Do not use any abrasive materials that could damage the tool.
3. When tool is not in use, store in a clean, dry area.
- 4.

**CAUTION: Molex specifications are valid only when used with Molex connectors and tooling.**

## Contact Information

For more information on Molex application tooling please contact Molex at 1-800-786-6539.

**Americas  
Headquarters**  
Lisle, Illinois 60532  
U.S.A.  
1-800-78MOLEX  
amerinfo@molex.com

**Far East North  
Headquarters**  
Yamato, Kanagawa, Japan  
81-462-65-2324  
feninfo@molex.com

**Far East South  
Headquarters**  
Jurong, Singapore  
65-6-268-6868  
fesinfo@molex.com

**European  
Headquarters**  
Munich, Germany  
49-89-413092-0  
eurinfo@molex.com

**Corporate  
Headquarters**  
2222 Wellington Ct.  
Lisle, IL 60532 U.S.A.  
630-969-4550  
Fax: 630-969-1352

Visit our Web site at <http://www.molex.com>