



- 1 POSITION TOLERANCE APPLIES AT CONTACT TIP.
- 2 POSITION NUMBERS SHOWN FOR REFERENCE ONLY.
- 3 MATERIAL:  
HOUSINGS - POLYPHTHALAMIDE, BLACK, UL 94-VO RATED.  
CONTACTS - CARBON STEEL PER ASTM A109.  
CONTACTS - PHOSPHOR BRONZE PER QQ-B-750.  
BRACKET - ZINC
- 4 FINISH:  
SHELL - 5.08µm [.000200] MIN NICKEL OVER 1.27µm [.000050] MIN COPPER.  
BRACKET - 3.81µm [.000150] MIN NICKEL OVER 5.08µm [.000200] MIN COPPER.  
CONTACTS - EITHER 0.76µm [.000030] MIN GOLD PLATE OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, 0.76µm [.000030] MIN TOTAL, FOR A LENGTH OF 0.64 [.025] MIN, 0.13 [.005] MAX FROM MATING END, 1.27µm [.000050] MIN TIN-LEAD ON OPPOSITE END FOR A LENGTH OF 4.78 [.188] MIN, BOTH OVER 1.27µm [.000050] MIN NICKEL.
- 5 PC BOARD HOLE RECOMMENDATIONS:  
A. HOLES SHOULD BE DRILLED WITH A 0.701 [.0276] DRILL.  
B. PC BOARD PLATING TO BE 7.62µm [.000300] MIN TIN-LEAD OVER 0.025-0.038 [.0010-.0015] COPPER.  
C. RECOMMENDED HOLE SIZE AFTER TIN-LEAD PLATING IS 0.56-0.66 [.022-.026].

|                                |                  |                  |                  |                  |                  |                  |            |            |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|------------|
| PER DETAIL X                   | 96.90<br>[3.815] | 74.93<br>[2.950] | 79.15<br>[3.116] | 86.74<br>[3.415] | 90.93<br>[3.580] | 45.47<br>[1.790] | 120        | 1-786554-0 |
| PER DETAIL X                   | 84.20<br>[3.315] | 62.23<br>[2.450] | 66.45<br>[2.616] | 74.04<br>[2.915] | 78.23<br>[3.080] | 39.12<br>[1.540] | 100        | 786554-9   |
| PER DETAIL X                   | 63.88<br>[2.515] | 41.91<br>[1.650] | 46.13<br>[1.816] | 53.72<br>[2.115] | 57.91<br>[2.280] | 28.96<br>[1.140] | 68         | 786554-7   |
| PER DETAIL Y                   | 52.45<br>[2.065] | 30.48<br>[1.200] | 34.70<br>[1.366] | 42.29<br>[1.665] | 46.48<br>[1.830] | 23.24<br>[0.915] | 50         | 786554-5   |
| PER DETAIL Y                   | 37.21<br>[1.465] | 15.24<br>[.600]  | 19.46<br>[.766]  | 27.05<br>[1.065] | 31.24<br>[1.230] | 15.62<br>[.615]  | 26         | 786554-2   |
| PER DETAIL X                   | 33.40<br>[1.315] | 11.43<br>[.450]  | 15.65<br>[.616]  | 23.24<br>[.915]  | 27.43<br>[1.080] | 13.72<br>[.540]  | 20         | 786554-1   |
| RECOMMENDED PCB MTG DIMENSIONS | R                | P                | N                | M                | L                | K                | NO OF POSN |            |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                         |  |                    |           |
|-------------------------|--|--------------------|-----------|
| DIMENSIONS: mm [INCHES] | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DIN H MOLL 10-7-92 | 10-13-92  |
| 0 PLC ± -               | 1 PLC ± -                              | 2 PLC ± 0.13 [005] | 3 PLC ± - |
| 4 PLC ± -               | ANGLES ± -                             | APVD               | NAME      |
| MATERIAL                | FINISH                                 | PRODUCT SPEC       | 108-1228  |
|                         |  | APPLICATION SPEC   | 114-40029 |
|                         |  | WEIGHT             | A1 00779  |
|                         |  | CAGE CODE          | 786554    |
|                         |  | RESTRICTED TO      |           |

STE TE Connectivity

RECEPTACLE ASSEMBLY, SHIELDED, VERTICAL, RAILED, ACTION PIN FOR .062 TO .093 THICK BD.

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 1 REV G1