



-  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.
 - BRACKT – ZINC

4 FINISH:
SHELL – $5.08\mu\text{m}$ [.000200] MIN NICKEL OVER $1.27\mu\text{m}$ [.000050] MIN COPPER.
BRACKET – $3.81\mu\text{m}$ [.000150] MIN NICKEL OVER $5.08\mu\text{m}$ [.000200] MIN COPPER.
CONTACTS – EITHER $0.76\mu\text{m}$ [.000030] MIN GOLD PLATE OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, $0.76\mu\text{m}$ [.000030] MIN TOTAL, FOR A LENGTH OF 0.64 [.025] MIN, 0.13 [.005] MAX FROM MATING END, $1.27\mu\text{m}$ [.000050] MIN TIN-LEAD ON OPPOSITE END FOR A LENGTH OF 4.78 [.188] MIN, BOTH OVER $1.27\mu\text{m}$ [.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 $7.62\mu\text{m}$ [.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 [3.815] | 74.93 [2.950] | 79.15 [3.116] | 86.74 [3.415] | 90.93 [3.580] | 45.47 [1.790] | 120 | 1-786554-0 |
| PER DETAIL X | 84.20 [3.315] | 62.23 [2.450] | 66.45 [2.616] | 74.04 [2.915] | 78.23 [3.080] | 39.12 [1.540] | 100 | 786554-9 |
| PER DETAIL X | 63.88 [2.515] | 41.91 [1.650] | 46.13 [1.816] | 53.72 [2.115] | 57.91 [2.280] | 28.96 [1.140] | 68 | 786554-7 |
| PER DETAIL Y | 52.45 [2.065] | 30.48 [1.200] | 34.70 [1.366] | 42.29 [1.665] | 46.48 [1.830] | 23.24 [.915] | 50 | 786554-5 |
| PER DETAIL Y | 37.21 [1.465] | 15.24 [.600] | 19.46 [.766] | 27.05 [1.065] | 31.24 [1.230] | 15.62 [.615] | 26 | 786554-2 |
| PER DETAIL X | 33.40 [1.315] | 11.43 [.450] | 15.65 [.616] | 23.24 [.915] | 27.43 [1.080] | 13.72 [.540] | 20 | 786554-1 |
| RECOMMENDED PCB MTG DIMENSIONS | R | P | N | M | L | K | NO OF POSN | |

| | | | | | | | | | | |
|---|--|---|---------------------|--------------------------|-----------------|-------------------|---------------|-------|--------|-----|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN H MOLL CHK R STONE | 10-7-92 10-13-92 | NAME | TE Connectivity | | | | | |
| DIMENSIONS: mm [INCHES] | | APVD — | — | | | | | | | |
|  | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | PRODUCT SPEC 108-1228 | | | | | | |
| 0 PLC \pm — 1 PLC \pm — 2 PLC \pm 0.13 [.005] 3 PLC \pm — 4 PLC \pm — ANGLES \pm — | | APPLICATION SPEC 114-40029 | | SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO | | | |
| MATERIAL  | | FINISH  | | WEIGHT | — | A1 00779 C-786554 | — | | | |
| CUSTOMER DRAWING | | | | | | SCALE | 4:1 | SHEET | 1 OF 1 | REV |
| | | | | | | | | | | G1 |

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