

SEE SHEET 2 FOR TABLE & NOTES


VIEW S-S

RECOMMENDED PC BOARD MOUNTING DIMENSIONS SCALE 2:1

|  |        |                            |                                   |
|--|--------|----------------------------|-----------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |        | DIN G. ATTADIA - 01-06-05  | TE Connectivity                   |
| DIMENSIONS: mm [INCHES]                |        | CHK S. BOLASH 01-06-05     |                                   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |        | APP'D M. WALMSLEY 01-06-05 | NAME                              |
| 0 PLC ± -                              |        |                            | HEADER ASSY, UNIVERSAL, AMP-LATCH |
| 1 PLC ± -                              |        |                            | PRODUCT SPEC                      |
| 2 PLC ± 0.13[.005]                     |        |                            | 108-40018                         |
| 3 PLC ± -                              |        |                            | APPLICATION SPEC                  |
| 4 PLC ± -                              |        |                            | SIZE                              |
| ANGLES ± -                             |        |                            | CAGE CODE                         |
|  |        |                            | DRAWING NO                        |
| MATERIAL                               | FINISH | WEIGHT                     | RESTRICTED TO                     |
|  |        | A1 00779                   | 5102156                           |
| CUSTOMER DRAWING                       |        | SCALE 4:1                  | SHEET 1 OF 2                      |

- ① COORDINATE DIMENSION APPLIES FROM BASIC LOCATION.
- ② 10 AND 14 POSITION SIZES CONTAIN ONLY ONE SLOT FOR SNAP-IN POLARIZER (MILITARY POLARIZATION) LOCATED AS SHOWN.
- ③ 10 POSITION SIZE CONTAINS ONLY ONE SLOT FOR DUAL POLARIZATION, LOCATED AS SHOWN.
- 4. RECOMMENDED PRINTED CIRCUIT BOARD THICKNESS IS 3.18 [.125].
- ⑤ MATERIAL:  
HOUSING: GLASS FILLED NYLON OR POLYESTER, UL94V-0 RATED, SEE TABLE FOR COLOR.  
POSTS: PH BRZ OR BRASS
- ⑥ FINISH:  
POSTS: GOLD FLASH OVER PALLADIUM-NICKEL PLATE, 0.76 $\mu$ m[.000030] MIN TOTAL ON THE LOCALIZED PLATE AREA, 2.54 $\mu$ m[.000100] MIN TIN PLATE ON THE SOLDER-TAIL, 1.27 $\mu$ m[.000050] MIN NICKEL UNDERPLATE ON THE ENTIRE POST.  
-OR-  
0.76 $\mu$ m[.000030] MIN GOLD PLATE ON THE LOCALIZED PLATE AREA, 2.54 $\mu$ m[.000100] MIN TIN PLATE ON THE SOLDER-TAIL, 1.27 $\mu$ m[.000050] MIN NICKEL UNDERPLATE ON THE ENTIRE POST.
- ⑦ DATUMS -M- & -N- TO BE ESTABLISHED BY CUSTOMER.

|               |       |                  |                  |                  |                   |                  |                  |            |             |
|---------------|-------|------------------|------------------|------------------|-------------------|------------------|------------------|------------|-------------|
|               | BLUE  | 60.96<br>[2.400] | 78.74<br>[3.100] | 72.64<br>[2.860] | 82.80<br>[3.260]  | 78.74<br>[3.100] | 68.58<br>[2.700] | 50         | 3-5102156-0 |
|               | BLUE  | 48.26<br>[1.900] | 66.04<br>[2.600] | 59.94<br>[2.360] | 70.10<br>[2.760]  | 66.04<br>[2.600] | 55.88<br>[2.200] | 40         | 2-5102156-9 |
|               | BLUE  | 40.64<br>[1.600] | 58.42<br>[2.300] | 52.32<br>[2.060] | 62.48<br>[2.460]  | 58.42<br>[2.300] | 48.26<br>[1.900] | 34         | 2-5102156-8 |
|               | BLUE  | 30.48<br>[1.200] | 48.26<br>[1.900] | 42.16<br>[1.660] | 52.32<br>[2.060]  | 48.26<br>[1.900] | 38.10<br>[1.500] | 26         | 2-5102156-6 |
| OBSOLETE      | BLUE  | 22.86<br>[.900]  | 40.64<br>[1.600] | 34.54<br>[1.360] | 44.70<br>[1.760]  | 40.64<br>[1.600] | 30.48<br>[1.200] | 20         | 2-5102156-4 |
| OBSOLETE      | BLUE  | 17.78<br>[.700]  | 35.56<br>[1.400] | 29.46<br>[1.160] | 39.62<br>[1.560]  | 35.56<br>[1.400] | 25.40<br>[1.000] | 16         | 2-5102156-3 |
| OBSOLETE      | BLUE  | 10.16<br>[.400]  | 27.94<br>[1.100] | 21.84<br>[.860]  | 32.00<br>[1.260]  | 27.94<br>[1.100] | 17.78<br>[.700]  | 10         | 2-5102156-1 |
|               | BLACK | 78.74<br>[3.100] | 96.52<br>[3.800] | 90.42<br>[3.560] | 100.58<br>[3.960] | 96.52<br>[3.800] | 86.36<br>[3.400] | 64         | 1-5102156-2 |
|               | BLACK | 73.66<br>[2.900] | 91.44<br>[3.600] | 85.34<br>[3.360] | 95.50<br>[3.760]  | 91.44<br>[3.600] | 81.28<br>[3.200] | 60         | 1-5102156-1 |
|               | BLACK | 60.96<br>[2.400] | 78.74<br>[3.100] | 72.64<br>[2.860] | 82.80<br>[3.260]  | 78.74<br>[3.100] | 68.58<br>[2.700] | 50         | 1-5102156-0 |
|               | BLACK | 48.26<br>[1.900] | 66.04<br>[2.600] | 59.94<br>[2.360] | 70.10<br>[2.760]  | 66.04<br>[2.600] | 55.88<br>[2.200] | 40         | 5102156-9   |
|               | BLACK | 40.64<br>[1.600] | 58.42<br>[2.300] | 52.32<br>[2.060] | 62.48<br>[2.460]  | 58.42<br>[2.300] | 48.26<br>[1.900] | 34         | 5102156-8   |
|               | BLACK | 35.56<br>[1.400] | 53.34<br>[2.100] | 47.24<br>[1.860] | 57.40<br>[2.260]  | 53.34<br>[2.100] | 43.18<br>[1.700] | 30         | 5102156-7   |
|               | BLACK | 30.48<br>[1.200] | 48.26<br>[1.900] | 42.16<br>[1.660] | 52.32<br>[2.060]  | 48.26<br>[1.900] | 38.10<br>[1.500] | 26         | 5102156-6   |
|               | BLACK | 27.94<br>[1.100] | 45.72<br>[1.800] | 39.62<br>[1.560] | 49.78<br>[1.960]  | 45.72<br>[1.800] | 35.56<br>[1.400] | 24         | 5102156-5   |
|               | BLACK | 22.86<br>[.900]  | 40.64<br>[1.600] | 34.54<br>[1.360] | 44.70<br>[1.760]  | 40.64<br>[1.600] | 30.48<br>[1.200] | 20         | 5102156-4   |
|               | BLACK | 17.78<br>[.700]  | 35.56<br>[1.400] | 29.46<br>[1.160] | 39.62<br>[1.560]  | 35.56<br>[1.400] | 25.40<br>[1.000] | 16         | 5102156-3   |
|               | BLACK | 15.24<br>[.600]  | 33.02<br>[1.300] | 26.92<br>[1.060] | 37.08<br>[1.460]  | 33.02<br>[1.300] | 22.86<br>[.900]  | 14         | 5102156-2   |
|               | BLACK | 10.16<br>[.400]  | 27.94<br>[1.100] | 21.84<br>[.860]  | 32.00<br>[1.260]  | 27.94<br>[1.100] | 17.78<br>[.700]  | 10         | 5102156-1   |
| HOUSING COLOR | F     | E                | D                | C                | B                 | A                |                  | NO OF POSN | PART NUMBER |

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | DIN G. ATTADIA - 01-06-05<br>DOKKS<br>01-06-05                        |  |  TE Connectivity |  |
| DIMENSIONS: INCHES   |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                |  |   |  |
| 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± 0.13[.005]<br>4 PLC ± -<br>ANGLES ± - |  | APVD M. WALMSLEY 01-06-05<br>NAME<br>PRODUCT SPEC<br>APPLICATION SPEC |  | HEADER ASSY, UNIVERSAL, AMP-LATCH<br>-  |  |
| MATERIAL   |  | FINISH  |  | SIZE CAGE CODE DRAWING NO<br>A1 00779 C=5102156   |  |
| ⑤  |  | ⑥   |  | WEIGHT -<br>CUSTOMER DRAWING SCALE 4:1 SHEET 2 OF 2 REV D1  |  |