



RECOMMENDED PC BOARD LAYOUT (VIEWED FROM CONNECTOR SIDE)

- △ HOUSING: PBT, UL94V-0, COLOR (SEE TABLE).
POSTS: PHOSPHOR BRONZE.
LATCHES: ZINC ALLOY.
- △ POSTS: GOLD FLASH OVER PALLADIUM-NICKEL PLATE, 0.76µm[.000030] MIN TOTAL ON MATING AREA, 2.54µm[.000100] MIN TIN PLATE ON SOLDER-TAIL, ALL OVER 1.27µm[.000050] MIN NICKEL UNDERPLATE ON ENTIRE POST.
OR
0.76µm[.000030] MIN GOLD PLATE ON MATING AREA, 2.54µm[.000100] MIN TIN PLATE ON THE SOLDER-TAIL, 1.27µm[.000050] MIN NICKEL UNDERPLATE ON THE ENTIRE POST.
LATCHES: BLACK NICKEL OVER COPPER.
- △ DATUMS S & T TO BE ESTABLISHED BY CUSTOMER.
- △ NO KEYING SLOT ON THIS END FOR 6, 8, 10, 12 & 14 POSITION ASSEMBLIES.
- △ NO KEYING SLOT ON THIS END FOR 6, 8 & 10 POSITION ASSEMBLIES.
- △ NO STANDOFF FOR 6, 8, 10, 12, 14 & 16 POSITION ASSEMBLIES.
- △ ALTERNATE LOCATION/ORIENTATION OF POSITION #1 INDICATOR

| HOUSING COLOR | E | D | C | B | A | NO OF POS | PART NUMBER |
|---------------|---------------|----|---------------|---------------|---------------|-----------|-------------|
| BLUE | 78.74 [3.100] | 31 | 80.77 [3.180] | 86.26 [3.396] | 88.90 [3.500] | 64 | 3-1761606-7 |
| BLUE | 73.66 [2.900] | 29 | 75.69 [2.980] | 81.18 [3.196] | 83.82 [3.300] | 60 | 3-1761606-6 |
| BLUE | 60.96 [2.400] | 24 | 62.99 [2.480] | 68.48 [2.696] | 71.12 [2.800] | 50 | 3-1761606-5 |
| BLUE | 48.26 [1.900] | 19 | 50.29 [1.980] | 55.78 [2.196] | 58.42 [2.300] | 40 | 3-1761606-3 |
| OBSOLETE | 43.18 [1.700] | 17 | 45.21 [1.780] | 50.70 [1.996] | 53.34 [2.100] | 36 | 3-1761606-2 |
| BLUE | 40.64 [1.600] | 16 | 42.67 [1.680] | 48.16 [1.896] | 50.80 [2.000] | 34 | 3-1761606-1 |
| OBSOLETE | 35.56 [1.400] | 14 | 37.59 [1.480] | 43.08 [1.696] | 45.72 [1.800] | 30 | 3-1761606-0 |
| BLUE | 30.48 [1.200] | 12 | 32.51 [1.280] | 38.00 [1.496] | 40.64 [1.600] | 26 | 2-1761606-9 |
| BLUE | 27.94 [1.100] | 11 | 29.97 [1.180] | 35.46 [1.396] | 38.10 [1.500] | 24 | 2-1761606-8 |
| BLUE | 22.86 [0.900] | 9 | 24.89 [0.980] | 30.38 [1.196] | 33.02 [1.300] | 20 | 2-1761606-7 |
| BLUE | 17.78 [0.700] | 7 | 19.81 [0.780] | 25.30 [0.996] | 27.94 [1.100] | 16 | 2-1761606-6 |
| BLUE | 15.24 [0.600] | 6 | 17.27 [0.680] | 22.76 [0.896] | 25.40 [1.000] | 14 | 2-1761606-5 |
| OBSOLETE | 12.70 [0.500] | 5 | 14.73 [0.580] | 20.22 [0.796] | 22.86 [0.900] | 12 | 2-1761606-4 |
| BLUE | 10.16 [0.400] | 4 | 12.19 [0.480] | 17.68 [0.696] | 20.32 [0.800] | 10 | 2-1761606-3 |
| BLUE | 7.62 [0.300] | 3 | 9.65 [0.380] | 15.14 [0.596] | 17.78 [0.700] | 8 | 2-1761606-2 |
| BLUE | 5.08 [0.200] | 2 | 7.11 [0.280] | 12.60 [0.496] | 15.24 [0.600] | 6 | 2-1761606-1 |
| BLACK | 73.66 [2.900] | 29 | 75.69 [2.980] | 81.18 [3.196] | 83.82 [3.300] | 60 | 1-1761606-6 |
| BLACK | 60.96 [2.400] | 24 | 62.99 [2.480] | 68.48 [2.696] | 71.12 [2.800] | 50 | 1-1761606-5 |
| BLACK | 48.26 [1.900] | 19 | 50.29 [1.980] | 55.78 [2.196] | 58.42 [2.300] | 40 | 1-1761606-3 |
| BLACK | 40.64 [1.600] | 16 | 42.67 [1.680] | 48.16 [1.896] | 50.80 [2.000] | 34 | 1-1761606-1 |
| BLACK | 35.56 [1.400] | 14 | 37.59 [1.480] | 43.08 [1.696] | 45.72 [1.800] | 30 | 1-1761606-0 |
| BLACK | 30.48 [1.200] | 12 | 32.51 [1.280] | 38.00 [1.496] | 40.64 [1.600] | 26 | 1761606-9 |
| BLACK | 27.94 [1.100] | 11 | 29.97 [1.180] | 35.46 [1.396] | 38.10 [1.500] | 24 | 1761606-8 |
| BLACK | 22.86 [0.900] | 9 | 24.89 [0.980] | 30.38 [1.196] | 33.02 [1.300] | 20 | 1761606-7 |
| BLACK | 17.78 [0.700] | 7 | 19.81 [0.780] | 25.30 [0.996] | 27.94 [1.100] | 16 | 1761606-6 |
| BLACK | 15.24 [0.600] | 6 | 17.27 [0.680] | 22.76 [0.896] | 25.40 [1.000] | 14 | 1761606-5 |
| BLACK | 10.16 [0.400] | 4 | 12.19 [0.480] | 17.68 [0.696] | 20.32 [0.800] | 10 | 1761606-3 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

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|-------------------------|----------------------------------------|-----------|-----------|-----------|--------------------|-----------|------------|
| DIMENSIONS: mm [INCHES] | TOLERANCES UNLESS OTHERWISE SPECIFIED: | 0 PLC ± - | 1 PLC ± - | 2 PLC ± - | 3 PLC ± 0.13[.005] | 4 PLC ± - | ANGLES ± - |
|-------------------------|----------------------------------------|-----------|-----------|-----------|--------------------|-----------|------------|

MATERIAL: △ FINISH: △

APPROVED: J. GERACE, S. BOLASH, M. WALMSLEY

NAME: HEADER ASSEMBLY, VERTICAL, LONG EJECT LATCH, LOW PROFILE, IDC

SIZE: A1, CAGE CODE: 00779, DRAWING NO: 1761606

WEIGHT: ---

CUSTOMER DRAWING

SCALE: 4:1, SHEET 1 OF 1, REV G1

Mouser Electronics

Authorized Distributor

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[2-1761606-8](#)