



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, 0.76  $\mu\text{m}$  [ $\pm 0.00030$ ] MIN TOTAL ON MATING AREA, 2.54  $\mu\text{m}$  [ $\pm 0.00100$ ] MIN TIN PLATE ON SOLDER-TAIL, ALL OVER 1.27  $\mu\text{m}$  [ $\pm 0.00050$ ] MIN NICKEL UNDERPLATE ON ENTIRE POST.  
OR  
0.76  $\mu\text{m}$  [ $\pm 0.00030$ ] MIN GOLD PLATE ON MATING AREA, 2.54  $\mu\text{m}$  [ $\pm 0.00100$ ] MIN TIN PLATE ON THE SOLDER-TAIL, 1.27  $\mu\text{m}$  [ $\pm 0.00050$ ] 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.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC $\pm$ -	1 PLC $\pm$ -	2 PLC $\pm$ -	3 PLC $\pm 0.13$ [0.005]	4 PLC $\pm$ -	ANGLES $\pm$ -
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MATERIAL:  $\triangle$  FINISH:  $\triangle$

DESIGNER: J. GERACE	DATE: 03MAR05	NAME: M. WALMSLEY
CHK: S. BOLASH	DATE: 03MAR05	PRODUCT SPEC: -
APPR: M. WALMSLEY	DATE: 03MAR05	APPLICATION SPEC: -
SIZE: A1	CAGE CODE: 00779	DRAWING NO: 1761606
WEIGHT: -	SCALE: 4:1	SHEET 1 OF 1
CUSTOMER DRAWING	RESTRICTED TO: -	REV: G1

STE TE Connectivity  
HEADER ASSEMBLY, VERTICAL, LONG EJECT LATCH, LOW PROFILE, IDC

# Mouser Electronics

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[3-1761606-1](#)