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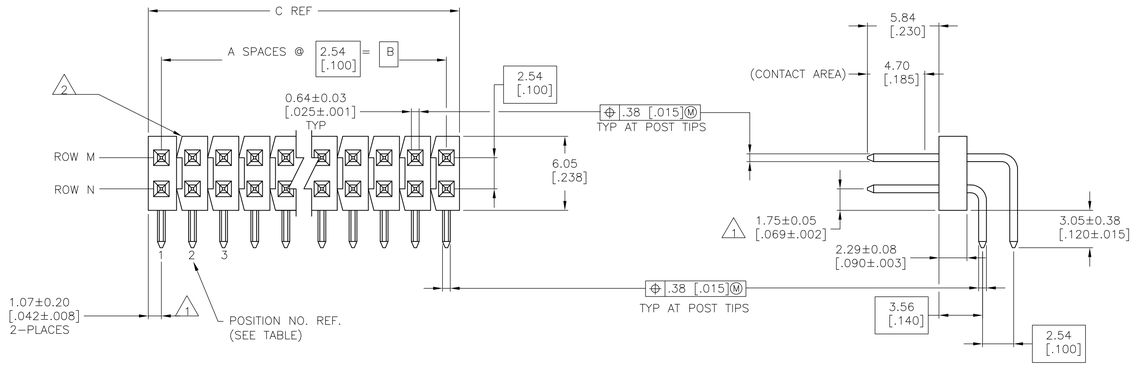
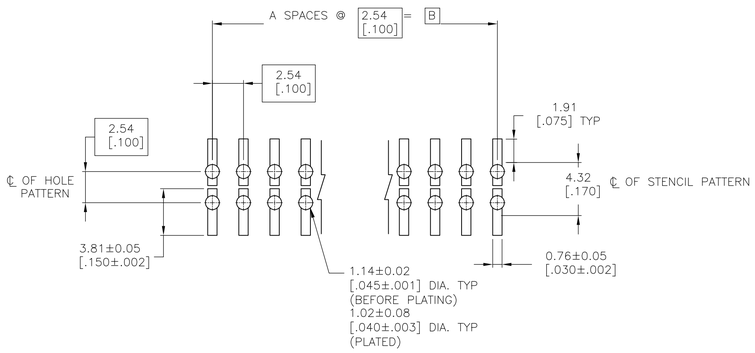
| LOC | DIST |
|---|---|
| AD | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | D | REVISED PER ECO-14-000260 | 05JUL2014 | NK | MM |




RECOMMENDED PC BOARD MOUNTING DIMENSIONS
FOR .063 [1.60] THICK PC BOARD AND
.012 [.305] STENCIL THICK

1. THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND HOUSING.
2. BREAKAWAY NOTCH ANGLE CAN BE ORIENTED TO THE RIGHT (AS SHOWN) OR TO THE LEFT
3. FOR ACTIVE POSITION SIZES 4 AND ABOVE, POSTS WILL BE SELECTIVELY SWAGED TO PROVIDE CONNECTOR RETENTION TO THE PC BOARD UNTIL SOLDERED. FOR POSITION SIZE 2, POSTS WILL BE KINKED.(SEE TABLE FOR RETENTION FEATURE LOCATION)
4. 0.000762 [.000030] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN-LEAD ON SOLDER TAIL ALL OVER 0.00127 [.000050] NICKEL.
5. HOUSING: GLASS FILLED THERMOPLASTIC, COLOR, BLACK. (WILL WITHSTAND VAPOR PHASE REFLOW.) POST: COPPER ALLOY
6. 0.000762 [.000030] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN ON SOLDER TAIL ALL OVER 0.00127 [.000050] NICKEL.
7. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

| | | PLATING | ROW M | ROW N | C | B | A | NO. OF POSITIONS | PART NUMBER |
|---|---|---|---|---|---|---|---|---|---|
| | | | HOLD-DOWN POST CONFIG. LOCATIONS. | | | | | | |
| | 4 | 1,2,39,40 | 1,2,39,40 | | 101.19 [3.984] | 99.06 [3.900] | 39 | 80 | 4-146310-0 |
| | 4 | 1,2,38,39 | 1,2,38,39 | | 98.65 [3.884] | 96.52 [3.800] | 38 | 78 | 3-146310-9 |
| | 4 | 1,2,37,38 | 1,2,37,38 | | 96.11 [3.784] | 93.98 [3.700] | 37 | 76 | 3-146310-8 |
| | 4 | 1,2,36,37 | 1,2,36,37 | | 93.57 [3.684] | 91.44 [3.600] | 36 | 74 | 3-146310-7 |
| | 4 | 1,2,35,36 | 1,2,35,36 | | 91.03 [3.584] | 88.90 [3.500] | 35 | 72 | 3-146310-6 |
| | 4 | 1,2,34,35 | 1,2,34,35 | | 88.49 [3.484] | 86.36 [3.400] | 34 | 70 | 3-146310-5 |
| | 4 | 1,2,33,34 | 1,2,33,34 | | 85.95 [3.384] | 83.82 [3.300] | 33 | 68 | 3-146310-4 |
| | 4 | 1,2,32,33 | 1,2,32,33 | | 83.41 [3.284] | 81.28 [3.200] | 32 | 66 | 3-146310-3 |
| | 4 | 1,2,31,32 | 1,2,31,32 | | 80.87 [3.184] | 78.74 [3.100] | 31 | 64 | 3-146310-2 |
| | 4 | 1,2,30,31 | 1,2,30,31 | | 78.33 [3.084] | 76.20 [3.000] | 30 | 62 | 3-146310-1 |
| | 4 | 1,2,29,30 | 1,2,29,30 | | 75.79 [2.984] | 73.66 [2.900] | 29 | 60 | 3-146310-0 |
| | 4 | 1,2,28,29 | 1,2,28,29 | | 73.25 [2.884] | 71.12 [2.800] | 28 | 58 | 2-146310-9 |
| 7 OBSOLETE | 4 | 1,2,27,28 | 1,2,27,28 | | 70.71 [2.784] | 68.58 [2.700] | 27 | 56 | 2-146310-8 |
| | 4 | 1,2,26,27 | 1,2,26,27 | | 68.17 [2.684] | 66.04 [2.600] | 26 | 54 | 2-146310-7 |
| | 4 | 1,2,25,26 | 1,2,25,26 | | 65.63 [2.584] | 63.5 [2.500] | 25 | 52 | 2-146310-6 |
| | 4 | 1,2,24,25 | 1,2,24,25 | | 63.09 [2.484] | 60.96 [2.400] | 24 | 50 | 2-146310-5 |
| | 4 | 1,2,23,24 | 1,2,23,24 | | 60.55 [2.384] | 58.42 [2.300] | 23 | 48 | 2-146310-4 |
| | 4 | 1,2,22,23 | 1,2,22,23 | | 58.01 [2.284] | 55.88 [2.200] | 22 | 46 | 2-146310-3 |
| | 4 | 1,2,21,22 | 1,2,21,22 | | 55.47 [2.184] | 53.34 [2.100] | 21 | 44 | 2-146310-2 |
| | 4 | 1,2,20,21 | 1,2,20,21 | | 52.93 [2.084] | 50.80 [2.000] | 20 | 42 | 2-146310-1 |
| | 4 | 1,2,19,20 | 1,2,19,20 | | 50.39 [1.984] | 48.26 [1.900] | 19 | 40 | 2-146310-0 |
| | 4 | 1,2,18,19 | 1,2,18,19 | | 47.85 [1.884] | 45.72 [1.800] | 18 | 38 | 1-146310-9 |
| | 4 | 1,2,17,18 | 1,2,17,18 | | 45.31 [1.784] | 43.18 [1.700] | 17 | 36 | 1-146310-8 |
| | 4 | 1,2,16,17 | 1,2,16,17 | | 42.77 [1.684] | 40.64 [1.600] | 16 | 34 | 1-146310-7 |
| | 4 | 1,2,15,16 | 1,2,15,16 | | 40.23 [1.584] | 38.10 [1.500] | 15 | 32 | 1-146310-6 |
| | 4 | 1,2,14,15 | 1,2,14,15 | | 37.69 [1.484] | 35.56 [1.400] | 14 | 30 | 1-146310-5 |
| | 4 | 1,2,13,14 | 1,2,13,14 | | 35.15 [1.384] | 33.02 [1.300] | 13 | 28 | 1-146310-4 |
| 7 SUPERSEDED | 4 | 1,2,12,13 | 1,2,12,13 | | 32.61 [1.284] | 30.48 [1.200] | 12 | 26 | 1-146310-3 |
| | 4 | 1,2,11,12 | 1,2,11,12 | | 30.07 [1.184] | 27.94 [1.100] | 11 | 24 | 1-146310-2 |
| | 4 | 1,2,10,11 | 1,2,10,11 | | 27.53 [1.084] | 25.40 [1.000] | 10 | 22 | 1-146310-1 |
| | 4 | 1,2,9,10 | 1,2,9,10 | | 24.99 [ .984] | 22.86 [ .900] | 9 | 20 | 1-146310-0 |
| | 4 | 1,2,8,9 | 1,2,8,9 | | 22.45 [ .884] | 20.32 [ .800] | 8 | 18 | 146310-9 |
| 7 OBSOLETE | 4 | 1,2,7,8 | 1,2,7,8 | | 19.91 [ .784] | 17.78 [ .700] | 7 | 16 | 146310-8 |
| | 4 | 1,2,6,7 | 1,2,6,7 | | 17.37 [ .684] | 15.24 [ .600] | 6 | 14 | 146310-7 |
| | 4 | 1,2,5,6 | 1,2,5,6 | | 14.83 [ .584] | 12.70 [ .500] | 5 | 12 | 146310-6 |
| | 4 | 1,2,4,5 | 1,2,4,5 | | 12.29 [ .484] | 10.16 [ .400] | 4 | 10 | 146310-5 |
| | 4 | 1,2,3,4 | 1,2,3,4 | | 9.75 [ .384] | 7.62 [ .300] | 3 | 8 | 146310-4 |
| | 4 | 1,2,3 | 1,2,3 | | 7.21 [ .284] | 5.08 [ .200] | 2 | 6 | 146310-3 |
| | 4 | 1,2 | 1,2 | | 4.67 [ .184] | 2.54 [ .100] | 1 | 4 | 146310-2 |
| OBSOLETE | 4 | 1 | 1 | | 2.13 [ .084] | - [-] | 0 | 2 | 146310-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.51[.02]
3 PLC ± 0.127[.005]
4 PLC ± 0.0127[.0005]
ANGLES ± -

MATERIAL 5

FINISH SEE TABLE

DWN K. HOFFMAN 21JUN95
CHK G. DUBNICZKI 02OCT95
APVD G. DUBNICZKI 02OCT95

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME HEADER ASSEMBLY, MOD II, BREAKAWAY,HIGH TEMP., RIGHT ANGLE, DOUBLE ROW,.100 X.100 CL, W/.025 SQ. POSTS WITH HOLD-DOWN CONFIGURATION.

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-146310 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 2 | REV D

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| LOC | DIST |
|---|---|
| AD | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |

| | PLATING | ROW M | ROW N | C | B | A | NO. OF POSITIONS | PART NUMBER |
|---|---|---|---|---|---|---|---|---|
| | | HOLD-DOWN POST CONFIG. LOCATIONS. | | | | | | |
| OBSOLETE | 6 | 1,2,39,40 | 1,2,39,40 | 101.19 [3.984] | 99.06 [3.900] | 39 | 80 | 9-146310-0 |
| | 6 | 1,2,38,39 | 1,2,38,39 | 98.65 [3.884] | 96.52 [3.800] | 38 | 78 | 8-146310-9 |
| | 6 | 1,2,37,38 | 1,2,37,38 | 96.11 [3.784] | 93.98 [3.700] | 37 | 76 | 8-146310-8 |
| | 6 | 1,2,36,37 | 1,2,36,37 | 93.57 [3.684] | 91.44 [3.600] | 36 | 74 | 8-146310-7 |
| | 6 | 1,2,35,36 | 1,2,35,36 | 91.03 [3.584] | 88.90 [3.500] | 35 | 72 | 8-146310-6 |
| | 6 | 1,2,34,35 | 1,2,34,35 | 88.49 [3.484] | 86.36 [3.400] | 34 | 70 | 8-146310-5 |
| | 6 | 1,2,33,34 | 1,2,33,34 | 85.95 [3.384] | 83.82 [3.300] | 33 | 68 | 8-146310-4 |
| | 6 | 1,2,32,33 | 1,2,32,33 | 83.41 [3.284] | 81.28 [3.200] | 32 | 66 | 8-146310-3 |
| | 6 | 1,2,31,32 | 1,2,31,32 | 80.87 [3.184] | 78.74 [3.100] | 31 | 64 | 8-146310-2 |
| | 6 | 1,2,30,31 | 1,2,30,31 | 78.33 [3.084] | 76.20 [3.000] | 30 | 62 | 8-146310-1 |
| | 6 | 1,2,29,30 | 1,2,29,30 | 75.79 [2.984] | 73.66 [2.900] | 29 | 60 | 8-146310-0 |
| | 6 | 1,2,28,29 | 1,2,28,29 | 73.25 [2.884] | 71.12 [2.800] | 28 | 58 | 7-146310-9 |
| | 6 | 1,2,27,28 | 1,2,27,28 | 70.71 [2.784] | 68.58 [2.700] | 27 | 56 | 7-146310-8 |
| | 6 | 1,2,26,27 | 1,2,26,27 | 68.17 [2.684] | 66.04 [2.600] | 26 | 54 | 7-146310-7 |
| | 6 | 1,2,25,26 | 1,2,25,26 | 65.63 [2.584] | 63.5 [2.500] | 25 | 52 | 7-146310-6 |
| | 6 | 1,2,24,25 | 1,2,24,25 | 63.09 [2.484] | 60.96 [2.400] | 24 | 50 | 7-146310-5 |
| | 6 | 1,2,23,24 | 1,2,23,24 | 60.55 [2.384] | 58.42 [2.300] | 23 | 48 | 7-146310-4 |
| | 6 | 1,2,22,23 | 1,2,22,23 | 58.01 [2.284] | 55.88 [2.200] | 22 | 46 | 7-146310-3 |
| | 6 | 1,2,21,22 | 1,2,21,22 | 55.47 [2.184] | 53.34 [2.100] | 21 | 44 | 7-146310-2 |
| | 6 | 1,2,20,21 | 1,2,20,21 | 52.93 [2.084] | 50.80 [2.000] | 20 | 42 | 7-146310-1 |
| | 6 | 1,2,19,20 | 1,2,19,20 | 50.39 [1.984] | 48.26 [1.900] | 19 | 40 | 7-146310-0 |
| | 6 | 1,2,18,19 | 1,2,18,19 | 47.85 [1.884] | 45.72 [1.800] | 18 | 38 | 6-146310-9 |
| | 6 | 1,2,17,18 | 1,2,17,18 | 45.31 [1.784] | 43.18 [1.700] | 17 | 36 | 6-146310-8 |
| | 6 | 1,2,16,17 | 1,2,16,17 | 42.77 [1.684] | 40.64 [1.600] | 16 | 34 | 6-146310-7 |
| | 6 | 1,2,15,16 | 1,2,15,16 | 40.23 [1.584] | 38.10 [1.500] | 15 | 32 | 6-146310-6 |
| | 6 | 1,2,14,15 | 1,2,14,15 | 37.69 [1.484] | 35.56 [1.400] | 14 | 30 | 6-146310-5 |
| | 6 | 1,2,13,14 | 1,2,13,14 | 35.15 [1.384] | 33.02 [1.300] | 13 | 28 | 6-146310-4 |
| | 6 | 1,2,12,13 | 1,2,12,13 | 32.61 [1.284] | 30.48 [1.200] | 12 | 26 | 6-146310-3 |
| OBSOLETE | 6 | 1,2,11,12 | 1,2,11,12 | 30.07 [1.184] | 27.94 [1.100] | 11 | 24 | 6-146310-2 |
| | 6 | 1,2,10,11 | 1,2,10,11 | 27.53 [1.084] | 25.40 [1.000] | 10 | 22 | 6-146310-1 |
| | 6 | 1,2,9,10 | 1,2,9,10 | 24.99 [ .984] | 22.86 [ .900] | 9 | 20 | 6-146310-0 |
| | 6 | 1,2,8,9 | 1,2,8,9 | 22.45 [ .884] | 20.32 [ .800] | 8 | 18 | 5-146310-9 |
| | 6 | 1,2,7,8 | 1,2,7,8 | 19.91 [ .784] | 17.78 [ .700] | 7 | 16 | 5-146310-8 |
| | 6 | 1,2,6,7 | 1,2,6,7 | 17.37 [ .684] | 15.24 [ .600] | 6 | 14 | 5-146310-7 |
| | 6 | 1,2,5,6 | 1,2,5,6 | 14.83 [ .584] | 12.70 [ .500] | 5 | 12 | 5-146310-6 |
| | 6 | 1,2,4,5 | 1,2,4,5 | 12.29 [ .484] | 10.16 [ .400] | 4 | 10 | 5-146310-5 |
| | 6 | 1,2,3,4 | 1,2,3,4 | 9.75 [ .384] | 7.62 [ .300] | 3 | 8 | 5-146310-4 |
| | 6 | 1,2,3 | 1,2,3 | 7.21 [ .284] | 5.08 [ .200] | 2 | 6 | 5-146310-3 |
| | 6 | 1,2 | 1,2 | 4.67 [ .184] | 2.54 [ .100] | 1 | 4 | 5-146310-2 |

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DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.51[.02]
3 PLC ± 0.127[.005]
4 PLC ± 0.0127[.0005]
ANGLES ± -

MATERIAL 5

FINISH SEE TABLE

DWN T. HOFFMAN 21JUN95
CHK G. DUBNICZKI 02OCT95
APVD G. DUBNICZKI 02OCT95
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME HEADER ASSEMBLY, MOD II, BREAKAWAY,HIGH TEMP., RIGHT ANGLE, DOUBLE ROW,.100 X.100 CL, W/.025 SQ. POSTS WITH HOLD-DOWN CONFIGURATION.

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-146310 | — |

CUSTOMER DRAWING | SCALE 4:1 | SHEET 2 OF 2 | REV D