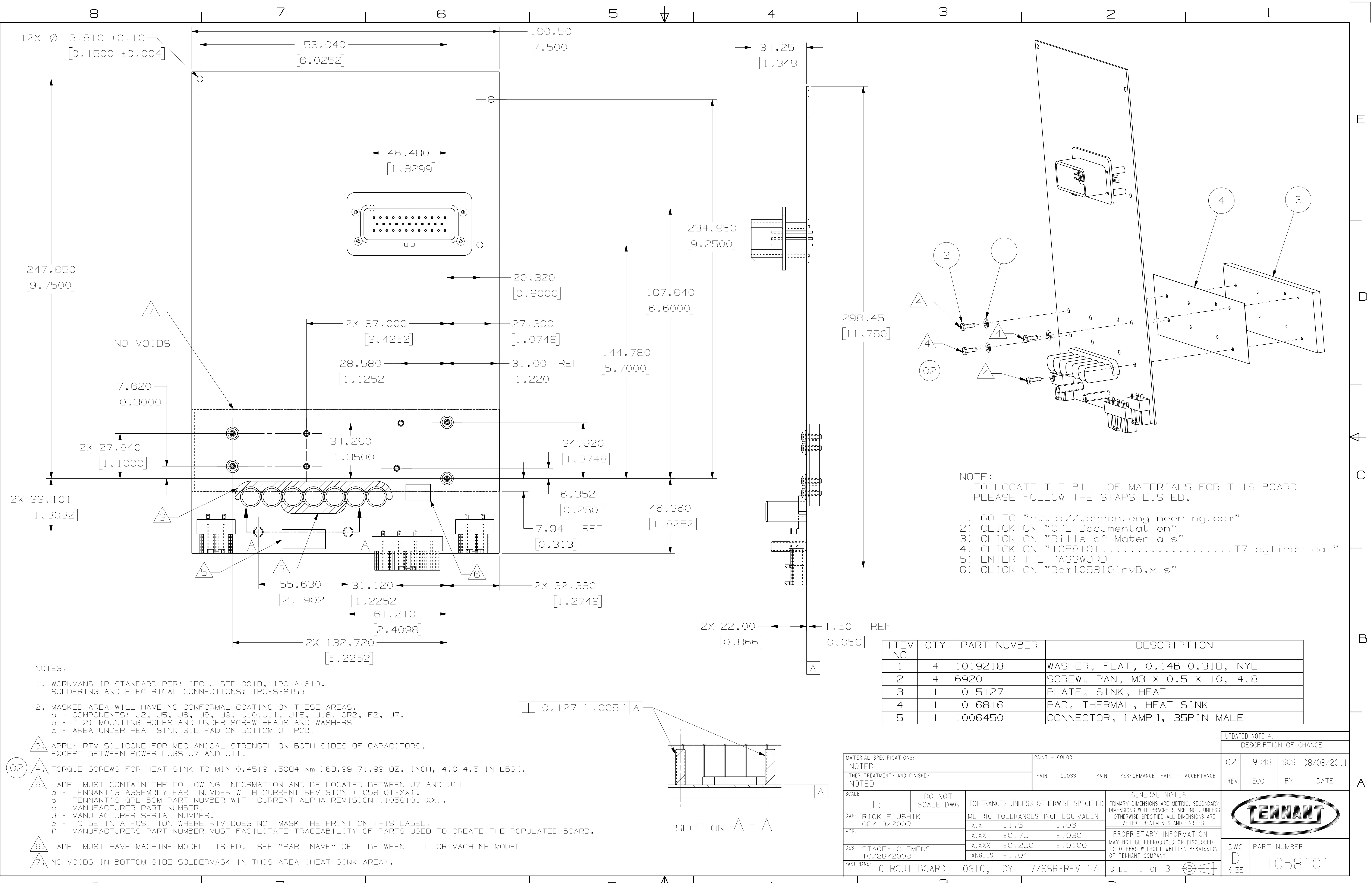


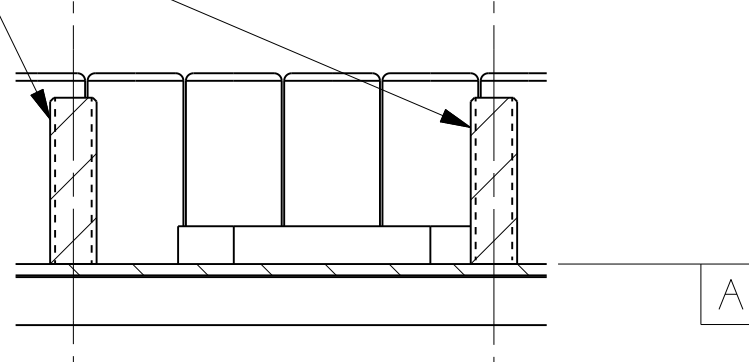
E  
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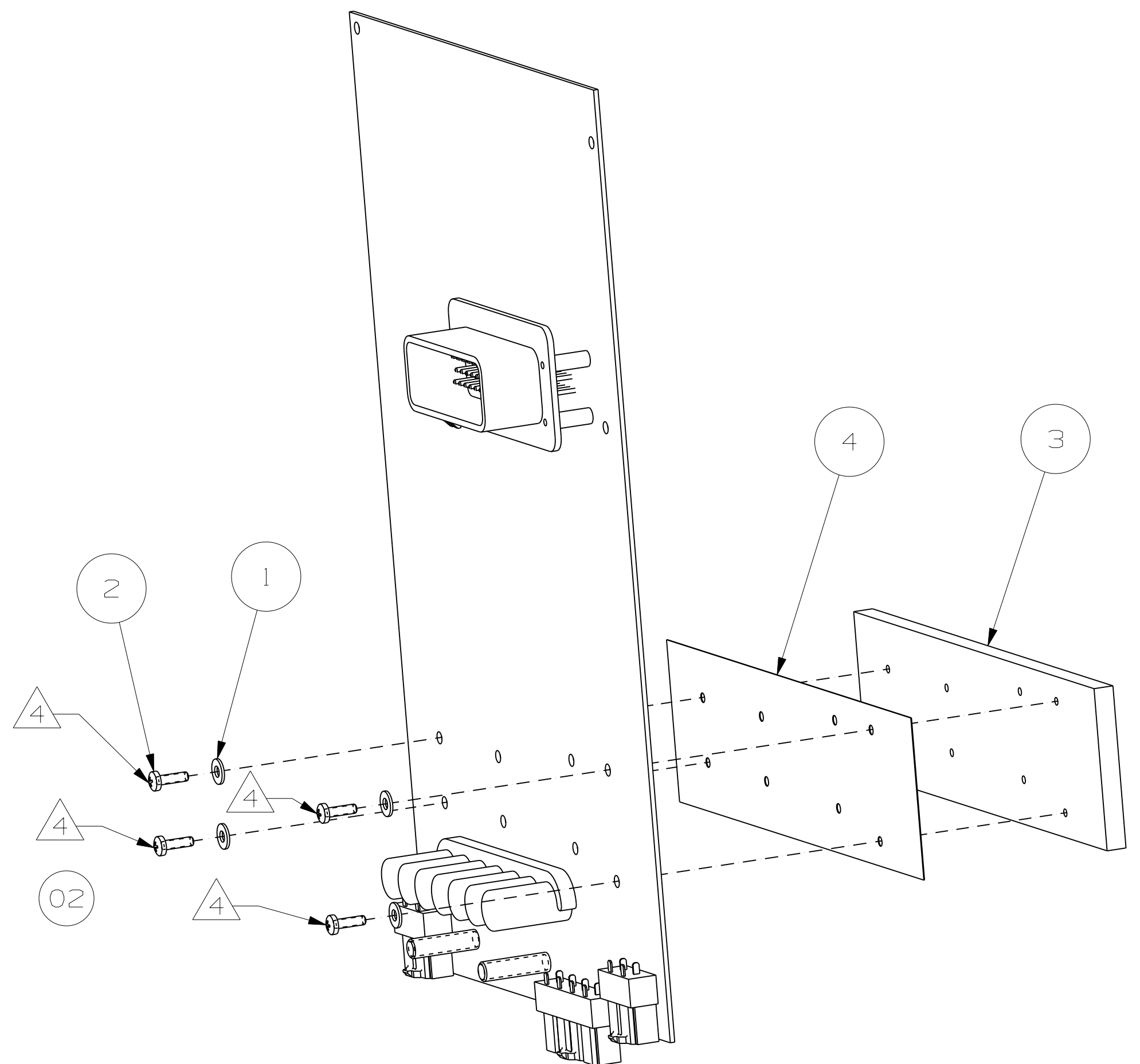


- NOTES:
- WORKMANSHIP STANDARD PER: IPC-J-STD-001D, IPC-A-610, SOLDERING AND ELECTRICAL CONNECTIONS: IPC-S-815B
  - MASKED AREA WILL HAVE NO CONFORMAL COATING ON THESE AREAS.  
a - COMPONENTS: J2, J5, J6, J8, J9, J10, J11, J15, J16, CR2, F2, J7.  
b - (12) MOUNTING HOLES AND UNDER SCREW HEADS AND WASHERS.  
c - AREA UNDER HEAT SINK SIL PAD ON BOTTOM OF PCB.
  - APPLY RTV SILICONE FOR MECHANICAL STRENGTH ON BOTH SIDES OF CAPACITORS, EXCEPT BETWEEN POWER LUGS J7 AND J11.
  - TORQUE SCREWS FOR HEAT SINK TO MIN 0.4519-.5084 Nm (63.99-71.99 OZ. INCH, 4.0-4.5 IN-LBS).
  - LABEL MUST CONTAIN THE FOLLOWING INFORMATION AND BE LOCATED BETWEEN J7 AND J11.  
a - TENNANT'S ASSEMBLY PART NUMBER WITH CURRENT REVISION (1058101-XX).  
b - TENNANT'S OPL BOM PART NUMBER WITH CURRENT ALPHA REVISION (1058101-XX).  
c - MANUFACTURER PART NUMBER.  
d - MANUFACTURER SERIAL NUMBER.  
e - TO BE IN A POSITION WHERE RTV DOES NOT MASK THE PRINT ON THIS LABEL.  
f - MANUFACTURERS PART NUMBER MUST FACILITATE TRACEABILITY OF PARTS USED TO CREATE THE POPULATED BOARD.
  - LABEL MUST HAVE MACHINE MODEL LISTED. SEE "PART NAME" CELL BETWEEN ( ) FOR MACHINE MODEL.
  - NO VOIDS IN BOTTOM SIDE SOLDERMASK IN THIS AREA (HEAT SINK AREA).

0.127 [ .005 ] A



SECTION A - A



NOTE:  
TO LOCATE THE BILL OF MATERIALS FOR THIS BOARD  
PLEASE FOLLOW THE STAPS LISTED.

- GO TO "<http://tennantengineering.com>"
- CLICK ON "QPL Documentation"
- CLICK ON "Bills of Materials"
- CLICK ON "1058101.....T7 cylindrical"
- ENTER THE PASSWORD
- CLICK ON "Bom1058101rvB.xls"

| ITEM NO | QTY | PART NUMBER | DESCRIPTION                    |
|---------|-----|-------------|--------------------------------|
| 1       | 4   | 1019218     | WASHER, FLAT, 0.14B 0.31D, NYL |
| 2       | 4   | 6920        | SCREW, PAN, M3 X 0.5 X 10, 4.8 |
| 3       | 1   | 1015127     | PLATE, SINK, HEAT              |
| 4       | 1   | 1016816     | PAD, THERMAL, HEAT SINK        |
| 5       | 1   | 1006450     | CONNECTOR, [ AMP ], 35PIN MALE |

|                                          |  |                     |  |                                       |  |                     |                       |                                                                                                                                                                                                                                                                                        |       |                        |            |    |      |
|------------------------------------------|--|---------------------|--|---------------------------------------|--|---------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------|------------|----|------|
|                                          |  |                     |  |                                       |  |                     | UPDATED NOTE 4.       |                                                                                                                                                                                                                                                                                        |       |                        |            |    |      |
|                                          |  |                     |  |                                       |  |                     | DESCRIPTION OF CHANGE |                                                                                                                                                                                                                                                                                        |       |                        |            |    |      |
| MATERIAL SPECIFICATIONS:<br>NOTED        |  |                     |  | PAINT - COLOR                         |  |                     |                       | 02                                                                                                                                                                                                                                                                                     | 19348 | SCS                    | 08/08/2011 |    |      |
| OTHER TREATMENTS AND FINISHES<br>NOTED   |  |                     |  | PAINT - GLOSS                         |  | PAINT - PERFORMANCE |                       | PAINT - ACCEPTANCE                                                                                                                                                                                                                                                                     |       | REV                    | ECO        | BY | DATE |
| SCALE:<br>1:1                            |  | DO NOT<br>SCALE DWG |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |                     |                       | GENERAL NOTES                                                                                                                                                                                                                                                                          |       |                        |            |    |      |
| DWN: RICK ELUSHIK<br>08/13/2009          |  |                     |  | METRIC TOLERANCES                     |  | INCH EQUIVALENT     |                       | PRIMARY DIMENSIONS ARE METRIC. SECONDARY DIMENSIONS WITH BRACKETS ARE INCH. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE AFTER TREATMENTS AND FINISHES.<br><br>PROPRIETARY INFORMATION<br>MAY NOT BE REPRODUCED OR DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY. |       |                        |            |    |      |
| MDR:                                     |  |                     |  | X.X ±1.5                              |  | ±.06                |                       |                                                                                                                                                                                                                                                                                        |       |                        |            |    |      |
|                                          |  |                     |  | X.XX ±0.75                            |  | ±.030               |                       |                                                                                                                                                                                                                                                                                        |       |                        |            |    |      |
| DES: STACEY CLEMENS<br>10/28/2008        |  |                     |  | X.XXX ±0.250                          |  | ±.0100              |                       |                                                                                                                                                                                                                                                                                        |       |                        |            |    |      |
| PART NAME:                               |  |                     |  | ANGLES ±1.0°                          |  |                     |                       |                                                                                                                                                                                                   |       |                        |            |    |      |
| CIRCUITBOARD, LOGIC, [CYL T7/SSR-REV 17] |  |                     |  |                                       |  |                     |                       |                                                                                                                                                                                                                                                                                        |       |                        |            |    |      |
|                                          |  |                     |  |                                       |  |                     |                       | DWG<br>D<br>SIZE                                                                                                                                                                                                                                                                       |       | PART NUMBER<br>1058101 |            |    |      |

A