



- NOTES:
- 1) BUILD BOARD USING THE FOLLOWING QPL BOM:  
**BOM1269799revA.xls**
  - 2) THIS BOM IS LOCATED ON THE TENNANT SUPPLIER RESOURCE PORTAL
  - 3) WORKMANSHIP STANDARD, SOLDERING AND ELECTRICAL CONNECTIONS PER:  
IPC-J-STD-001D OR LATEST REVISION - CLASS 2.
  - 4) THIS PRINTED CIRCUIT BOARD ASSEMBLY IS NOT A STOCKED PART. IT IS USED IN TENNANT CONTROLLER ASSEMBLIES 1269814 AND 1269815 WHICH ARE PURCHASED STOCKED PARTS
  - 5) APPLY TWO LABELS ON THE BOTTOM OF THE PCB WITH THE FOLLOWING INFORMATION:  
LABEL #1: TENNANT PART # WITH CURRENT REVISION:  
(SHOULD MATCH THIS DRAWING)  
LABEL #2: MANUFACTURER SERIAL NUMBER WITH BAR CODE FOR TRACEABILITY.
  - 6) ICT AND FUNCTIONAL TESTING IS REQUIRED FOR EACH BOARD. FCT PROCEDURE IS "1269799\_FCT\_revA.pdf"
  - 7) ASSEMBLY TO BE MANUFACTURED PER RoHS/LEAD FREE STANDARDS
  - 8) REFER TO THE GERBER FILES FOR PCB MANUFACTURING NOTES
  - 9) THIS ASSEMBLY REPLACES 1259268 AND 1259269
  - 10) APPLY RTV Q50001-001 TO THE FOLLOWING COMPONENTS:
    - UNDERSIDE OF MODEM U6
    - BOTH SIDES OF INDUCTOR L6
    - ON SIDE OF CAPACITORS C16 AND C28
    - UNDERSIDE OF BATTERY B1
  - 11) DIMENSIONS FOR REFERENCE ONLY. MODEM AND CONNECTOR ARE NOT SHOWN IN DETAIL
  - 12) **PROGRAM U24 WITH FIRMWARE FILE:**  
**1000\_IRIS\_TM4\_SLAVE\_PRODUCTION\_IMAGE\_0632.BIN.**

|  |                                       |
|--|---------------------------------------|
| MATERIAL SPECIFICATIONS:<br>NOTED              | OTHER TREATMENTS AND FINISHES<br>NONE |
| PART NAME:<br>CIRCUITBOARD [TELEM, 4G, GLOBAL] |                                       |

|                       |             |            |
|-----------------------|-------------|------------|
| PAINT - COLOR<br>NONE |             |            |
| GLOSS                 | PERFORMANCE | ACCEPTANCE |

|                           |                     |
|---------------------------|---------------------|
| CHANGED BY:<br>WILL ZANTO | DATE:<br>04/17/2024 |
| MDR:<br>JEFF BETTERMAN    | 10/25/2024          |
| DES:<br>WILL ZANTO        | 08/26/2021          |

| REV   | ECO             |
|---|-----------------|
| 00  | 40770           |
| WELDING NOTATION IN ACCORDANCE WITH AWS A2.4-98   |                 |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSION TOLERANCING IN<br>ACCORDANCE WITH ASME Y14.5M-2009<br>ALL UNTOLERANCED DIMENSIONS ARE<br>BASIC AND CONTROLLED BY: |                 |
| X.X   | ±0.8 ±[.03]     |
| X.XX  | ±0.25 ±[.010]   |
| X.XXX   | ±0.125 ±[.0049] |
| ANGLES  | ±0.5°           |

| GENERAL NOTES  |  |
|--|--|
| PRIMARY DIMENSIONS ARE METRIC, REFERENCE DIMENSIONS WITH BRACKETS ARE INCH. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE AFTER TREATMENTS AND FINISHES. |  |
| PROPRIETARY INFORMATION  |  |
| MAY NOT BE REPRODUCED OR DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.  |  |
| SHEET 1 OF 1   |  |



|                  |                        |
|------------------|------------------------|
| DWG<br>C<br>SIZE | PART NUMBER<br>1269799 |
|------------------|------------------------|