

NOTES:

- 1 **PRACTICES AND PROCEDURES.**
REFERENCE IPC-A-610 FOR
ASSEMBLY PRACTICES AND
ROCEDURES.

- 2 **CORRELATION CHART:**
REFER TO CORRELATION CHART
FOR SUPPORTING DOCUMENTATION
AND FIRMWARE.

- 3 **RoHS**
ASSEMBLY MUST BE RoHS COMPLIANT.

- 4 **SOLDER PASTE STENCIL**
USE SOLDER-PASTE STENCIL ARTWORKS: PASTE_TOP.ART & PASTE_BOTTOM.ART.
STENCIL APERTURES ARE 1 TO 1 WITH PAD SIZE.
CONTRACT MANUFACTURER, TO MODIFY AS NEEDED FOR IMPROVED MANUFACTURABILITY.

- 5 **DEPANELING**
DEPANEL BOARDS BEFORE SHIPPING. BREAK TAB LOCATIONS (AFTER DE-PANELING) SHALL NOT
EXTEND BEYOND THE BOARD OUTLINE. SEE DETAIL "A".

- 6 **CONFORMAL COATING**
CONTRACT MANUFACTURER SHALL APPLY AN ACRYLIC CONFORMAL COATING TO FRONT SIDE (COMPONENT SIDE) OF PCB.
THE FOLLOWING COMPONENTS MUST BE KEPT FREE OF CONFORMAL COATING:

RF CONNECTORS, J1 AND J2.
WIRE HOLES, J3 AND J4.
SD CARD CONNECTOR, J7.
OVERRIDE CONNECTOR, J15.

| ECN # | REV | REVISION DESCRIPTION | BY | DATE |
|-------|-----|---|----|----------|
| | 1 | RELEASE FOR PROTO | RW | 4/5/19 |
| | 2 | RELEASE FOR PROTO | RW | 2/12/20 |
| | 3 | RELEASE FOR PROTO | RW | 8/14/20 |
| | 4 | RELEASE TO PRODUCTION SUPPLIER | RW | 1/4/2021 |
| | 5 | REV CORRELATION CHART TTA0108-05 REPLACES TTA0108-04 | RW | 4/23/21 |

2 CORRELATION CHART

SUPPORTING DOCUMENTATION

| DOCUMENT TYPE | DOCUMENT NO. | PCB ASSEMBLY PART NO. | | | | |
|---------------|--------------|-----------------------|---|---|---|---|
| SCHEMATIC | TTS0108-01 | * | | | | |
| SCHEMATIC | TTS0108-02 | | * | | | |
| SCHEMATIC | TTS0108-03 | | | * | | |
| SCHEMATIC | TTS0108-04 | | | | * | |
| SCHEMATIC | TTS0108-05 | | | | | * |
| DOCUMENT TYPE | DOCUMENT NO. | PCB ASSEMBLY PART NO. | | | | |
| BOM | TTB0108-01 | * | | | | |
| BOM | TTB0108-02 | | * | | | |
| BOM | TTB0108-03 | | | * | | |
| BOM | TTB0108-04 | | | | * | |
| BOM | TTB0108-05 | | | | | * |

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|---|--------------------|--|----------------------------|
| twistthink DESIGN TECHNOLOGY STRATEGY 43 E. 8th Street., Suite 250 Holland, Michigan 49423 | | TITLE: PCB ASSEMBLY | |
| | | CUSTOMER: CHARITY : WATER | PROJECT LEADER: KD |
| | | PROJECT: REMOTE MONITORING, INDIA MARK II | IND. DESIGNER: BB |
| | | CODE: | ELECT. ENGINEER: BN |
| CONFIDENTIAL <small>DO NOT SCALE DRAWING DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER: ASME Y14.5M-1994 UNLESS OTHERWISE SPECIFIED: TOLERANCES: .X = ±.015 .XX = ±.01 .XXX = ±.006 ANGLES: ±0.0°</small> | | MECH. ENGINEER: KO | |
| | | DRAWN BY: RW | |
| TTA0108 | | 5 | |
| | | DOCUMENT NUMBER | DOC. REV. |
| DATE: 8/4/20 | SCALE: NONE | SHEET | 1 OF 2 |

