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
	6	NOTE 6 IS NOW FLAGGED, AND CALLED OUT. NOTE 6 NOW INCLUDES U19. NO CHANGE TO SCHEMATIC AND BOM DOCUMENTS	RW	7/13/21
	7	TTA0108-07 REPLACES TTA0108-06	RW	10/24/22

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.
HUMIDITY SENSOR, U19.

2 CORRELATION CHART

SUPPORTING DOCUMENTATION

DOCUMENT TYPE	DOCUMENT NO.	TTA0108-01 (OBSOLETE)	TTA0108-02 (OBSOLETE)	TTA0108-03 (OBSOLETE)	TTA0108-04 (OBSOLETE)	TTA0108-05 (OBSOLETE)	TTA0108-06 (OBSOLETE)	TTA0108-07
SCHEMATIC	TTS0108-01	✳						
SCHEMATIC	TTS0108-02		✳					
SCHEMATIC	TTS0108-03			✳				
SCHEMATIC	TTS0108-04				✳			
SCHEMATIC	TTS0108-05					✳	✳	✳
BOM	TTB0108-01	✳						
BOM	TTB0108-02		✳					
BOM	TTB0108-03			✳				
BOM	TTB0108-04				✳			
BOM	TTB0108-05					✳	✳	
BOM	TTB0108-06							✳

twisthink
DESIGN TECHNOLOGY STRATEGY
43 E. 8th Street., Suite 250
Holland, Michigan 49423

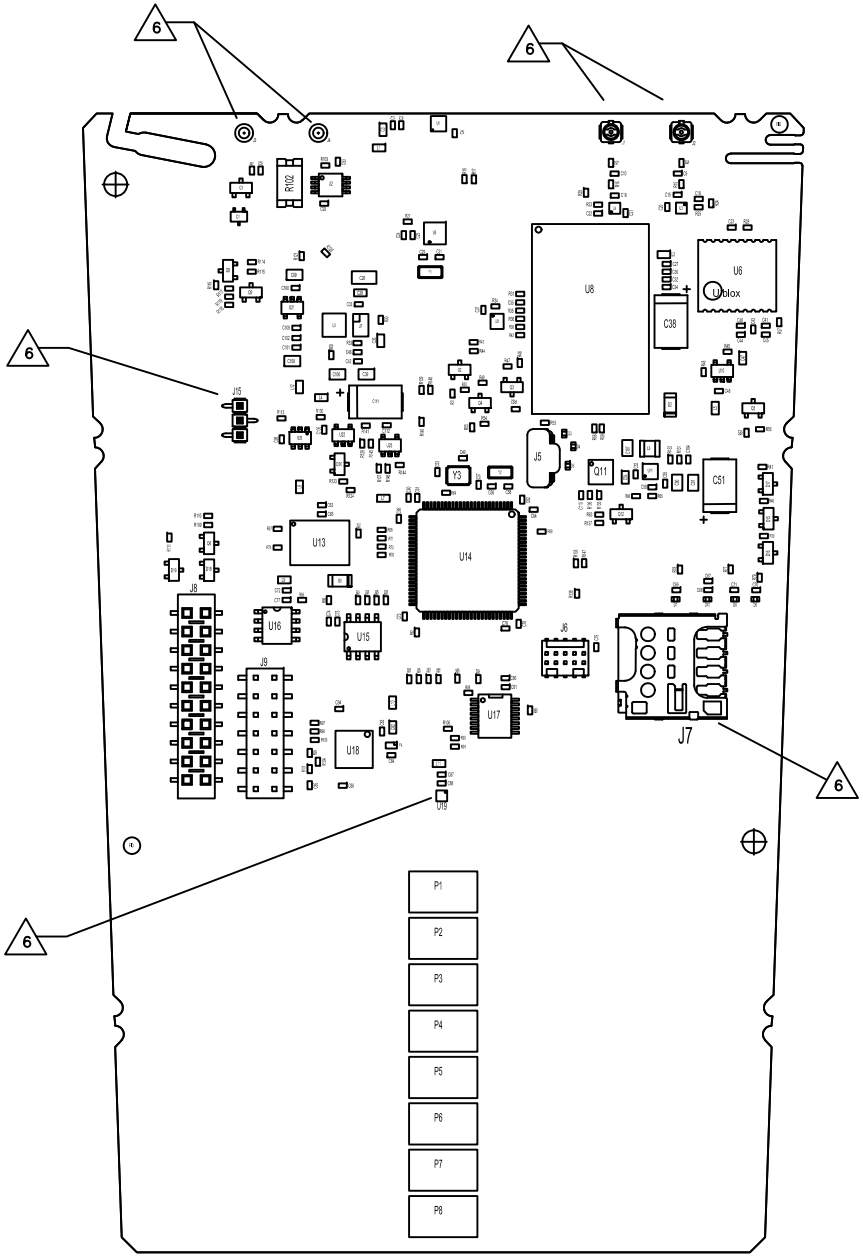
TITLE: PCB ASSEMBLY
CUSTOMER: CHARITY : WATER
PROJECT: REMOTE MONITORING, INDIA MARK II
CODE:

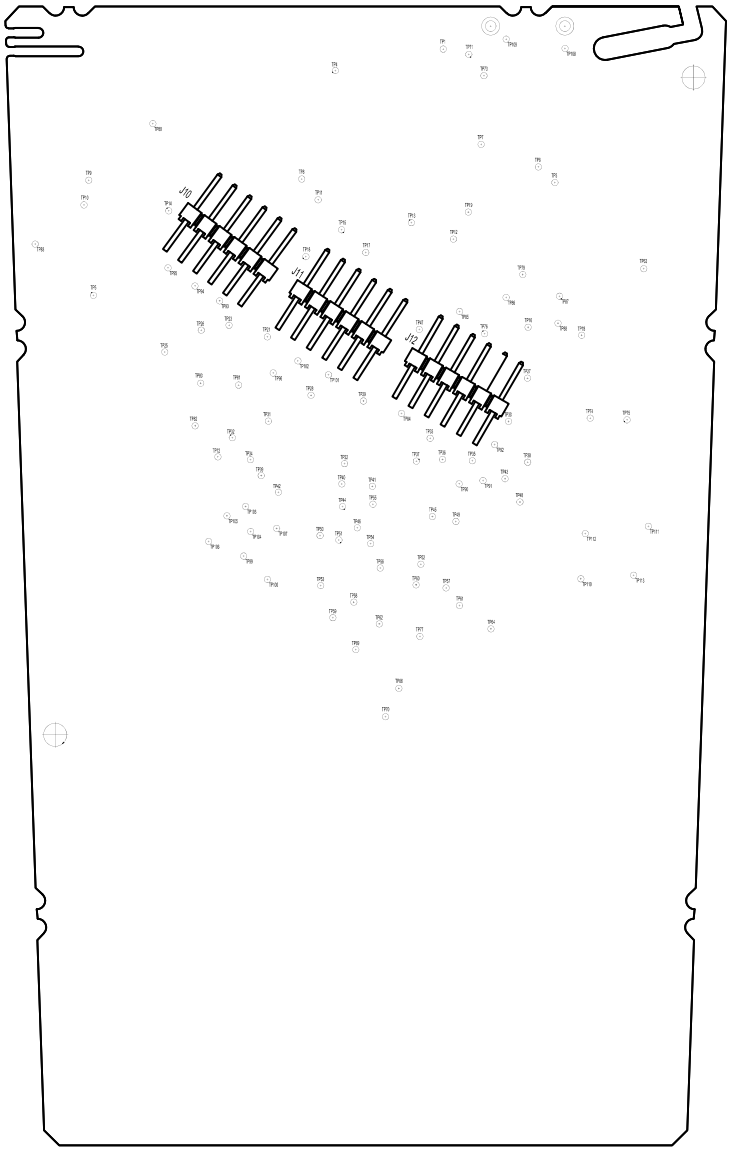
PROJECT LEADER: KD
IND. DESIGNER: BB
ELECT. ENGINEER: BN
MECH. ENGINEER: KO
DRAWN BY: RW

CONFIDENTIAL
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: ± 0.5°

DOCUMENT NUMBER: TTA0108
DOC. REV.: 7

DATE: 8/4/20 SCALE: NONE SHEET 1 OF 2





TTA0108	7
DOCUMENT NUMBER	DOC. REV.

DATE: 8/4/20	SCALE: 2/1	SHEET 2 OF 2