



- NOTES:
- 1) PCB ASSEMBLY TO BE BUILT USING QPL BILL OF MATERIAL: **BOM1250872revA**.
 - 2) WORKMANSHIP STANDARD PER: IPC-J-STD-001E, IPC-A-610E.
SOLDERING AND ELECTRICAL CONNECTIONS : IPC-S-815B.
OR MORE CURRENT REVISIONS OF THESE STANDARDS.
 - 3) APPLY LABEL OR LABELS WITH THE FOLLOWING INFORMATION:
- TENNANT PART NUMBER AND REVISION. EXAMPLE: **1250872-00**.
NOTE: THIS NUMBER AND REVISION SHOULD MATCH THE RELEASED TENNANT DRAWING.
- MANUFACTURER'S LABEL WITH SERIAL NUMBER.
 - 4) LIQUID CRYSTAL DISPLAY: REFER TO LATEST QPL BILL OF MATERIAL (NOTE #1) FOR MANUFACTURER, PART NUMBER, AND HEADER TO SOLDER TO THE PCB.
 - 5) THIS ASSEMBLY WILL NOT BE CONFORMAL COATED.
 - 6) EACH ASSEMBLY TO BE FUNCTIONALLY TESTED.
 - 7) APPLY NON-CORROSIVE PCB SAFE RTV AROUND THE FOLLOWING COMPONENTS FOR VIBRATION PROTECTION: C66, C68, J26, L1, X1.
 - 8) ASSEMBLY TO BE MANUFACTURED PER RoHS/LEAD FREE STANDARDS.
 - 9) SOFTWARE CODES:
Q30042-001 **BOOTLOADER.AXF** (PROGRAM AT ADDRESS 0X00000000)
Q30043-002 **UIM010515.AXF** (PROGRAM AT ADDRESS 0X00018400)
Q30040-004 **CASSODAY (12-23-19).AXF** (PROGRAM AT ADDRESS 0X00030000)

ITEM #	QTY.	PART #	DESCRIPTION
1	1	SEE NOTE #1	PCB ASSEMBLY
2	1	SEE NOTE #4	LIQUID CRYSTAL DISPLAY

										WELDING NOTATION IN ACCORDANCE WITH AWS A2.4-98		GENERAL NOTES PRIMARY DIMENSIONS ARE METRIC, REFERENCE DIMENSIONS WITH BRACKETS ARE INCH. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE AFTER TREATMENTS AND FINISHES.		<div></div>			
REV		ECO		UNLESS OTHERWISE SPECIFIED DIMENSION TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-2009 ALL UNTOLERANCED DIMENSIONS ARE BASIC AND CONTROLLED BY:													
00		32638		X.X ±0.8 ±[.03]													
				X.XX ±0.25 ±[.010]													
										CHANGED BY: ABDI HASHI		DATE: 01/02/2020		X.XXX ±0.125 ±[.0049]		PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.	
MATERIAL SPECIFICATIONS: NOTED		OTHER TREATMENTS AND FINISHES NONE			PAINT - COLOR NONE			MDR: STACY GAHLON		01/30/2020		X.XX ±0.25 ±[.010]					
PART NAME: CIRCUITBOARD ASSY [T12/T16. UI MODULE]					GLOSS	PERFORMANCE	ACCEPTANCE	DES: ABDI HASHI			10/29/2019		ANGLES ±0.5°		SHEET 1 OF 2		
															DWG B SIZE		
															PART NUMBER 1250872		

1) MATERIAL SELECTION: 370HR UL RECOGNIZED ZPMV2 MIN. 130C FLAME CLASS V-0 OR BETTER, .062 +/- .007 THICK. MATERIAL PER IPC-4101. MINIMUM CTI RATING OF 175. 1 OZ. COPPER MIN.. SOLDERABLE SURFACES TO BE ENIG(ELECTROLESS NICKEL IMMERSION GOLD).

ALL SOLDERABLE SURFACES ARE TO BE FREE OF SOLDER RESIST.

3) SILKSCREEN: USE WHITE NON-CONDUCTIVE INK. ALL COMPONENT AND TEST POINT LANDS ARE TO BE FREE OF INK.

5) ELECTRICAL BARE BOARD TEST REQUIRED.



7) FABRICATE TO MEET EU RoHS DIRECTIVE.

9) MAX WARP AND TWIST NOT TO EXCEED 0.010 PER LINEAR INCH.

11) MIN. ANNULAR RING: -.003 MIN PLATED HOLE WALL THICKNESS .001.

13) USE GERBER FILE DATA TO ESTABLISH DRILL COUNTS.

14) COPPER THIEVING OF THE SIGNAL LAYERS IS ALLOWED, SPACING TO ANY EXISTING BOARD FEATURE TO BE 0.060 MINIMUM.

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