



- ③ NOTES:
- 1) PCB ASSEMBLY TO BE BUILT USING QPL BILL OF MATERIAL: **BOM1219318revL**
  - 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  
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 AND ICT TESTED
  - 7) APPLY NON-CORROSIVE PCB SAFE RTV AROUND THE FOLLOWING COMPONENTS FOR VIBRATION PROTECTION: J1, C21, C27 AND L1  
- USE MOMENTIVE RTV 108 OR EQUIVALENT  
- MINIMUM BEAD DIAMETER 3MM
  - 8) ASSEMBLY TO BE MANUFACTURED PER RoHS/LEAD FREE STANDARDS
  - 9) PCB MANUFACTURING NOTES ARE FOUND ON THE DRILL DRAWING LAYER OF THE GERBERS
  - 10) DIMENSIONS FOR REFERENCE ONLY
  - 11) NICOMATIC 20 POSITION FLEX RIBBON CABLE ASSEMBLY (Q15028-018: REFER TO QPL BILL OF MATERIAL) TO BE CONNECTED TO THE DEFINED RIBBON HEADER. NOTE: RIBBON CABLE ASSEMBLY NOT SHOWN
  - 12) NICOMATIC 12 POSITION FLEX RIBBON CABLE ASSEMBLY (Q15028-017: REFER TO QPL BILL OF MATERIAL) TO BE CONNECTED TO THE DEFINED RIBBON HEADER. NOTE: RIBBON CABLE ASSEMBLY NOT SHOWN
  - 13) U14 TO BE PROGRAMMED WITH FIRMWARE FILE: **Q30070-002**
  - 14) SOFTWARE FILE: LIGHTNING\_UI\_POD\_PRODUCTION\_IMAGE\_1\_19.BIN

REV-03 CHANGES:  
1) REMOVED U4 FROM BOM

### ECO CONSULTATION

MATERIAL SPECIFICATIONS:	OTHER TREATMENTS AND FINISHES NOTED	PAINT - COLOR <b>NONE</b>	CHANGED BY: <b>PAUL HENDERSON</b>		DATE: <b>08/19/2021</b>
PART NAME: <b>CIRCUITBOARD ASSY [M17, UI, STD. LCD]</b>	GLOSS	PERFORMANCE	ACCEPTANCE	MDR:	DES: <b>JOHN HAEG</b>
					DATE: <b>02/26/2015</b>

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.
UNLESS OTHERWISE SPECIFIED DIMENSION TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-2009 ALL UNTOLERANCED DIMENSIONS ARE BASIC AND CONTROLLED BY:	PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.
X.X ±0.8 ±[.03]	SHEET 1 OF 1
X.XX ±0.25 ±[.010]	
X.XXX ±0.125 ±[.0049]	
ANGLES ±0.5°	

DWG **B** SIZE

PART NUMBER  
**1219318**