


- 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 NONE		MDR:		X.XX    ±0.25    ±[.010]		TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.		DWG B SIZE		PART NUMBER  1219318			
PART NAME: CIRCUITBOARD ASSY [M17, UI, STD. LCD]		GLOSS		PERFORMANCE		ACCEPTANCE		X.XXX    ±0.125    ±[.0049]									
								DES: JOHN HAEG		02/26/2015		SHEET    1 OF 1					
										ANGLES    ±0.5°							