


REV.	DESCRIPTION	DATE	APPROVED
F	UPDATE LIST OF COMPONENTS IN NOTE 4	3/2/2023	
G	UPDATE FIRMWARE FILE IN NOTE 9 UPDATE FCT REV IN NOTE 5	8/31/2023	

- NOTES:
- 1) PCB ASSEMBLY TO BE BUILT USING TENNANT QPL BILL OF MATERIAL: BOM1261318revD
  - 2) WORKMANSHIP STANDARD PER: IPC-J-STD-001E, IPC-A-610E, CLASS 2  
SOLDERING AND ELECTRICAL CONNECTIONS : IPC-S-815B  
OR MORE CURRENT VERSIONS OF THESE STANDARDS
  - 3. APPLY LABEL OR LABELS WITH THE FOLLOWING INFORMATION:  
HUMAN READABLE TENNANT PART NUMBER AND REVISION  
NOTE: THIS NUMBER AND REVISION SHOULD MATCH THIS RELEASED TENNANT DRAWING  
HUMAN READABLE MANUFACTURER'S LABEL WITH SERIAL NUMBER  
BARCODE CONTAINING SERIAL NUMBER  
NOTE: LINEAR OR 2D BARCODE ACCEPTABLE  
NOTE: 2D MATRIX DIMENSIONS TO BE NO SMALLER THAN 4MM BY 4MM  
PLACE LABELS SO THEY ARE VISIBLE FROM THE TOP OF THE ASSEMBLY
  - 4) CONFORMAL COATING TO BE APPLIED TO TOP AND BOTTOM OF THE PCB  
- ALL MOUNTING HOLES TO BE MASKED OFF AT A MIN DIAMETER OF 9MM  
- NO COATING TO BE APPLIED TO CONNECTORS J1, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J18, S1, S2, S3, S4  
- COATING TO FOLLOW QPL Q50000-001
  - 5) EACH ASSEMBLY TO BE ICT AND FUNCTIONALLY TESTED  
FUNCTIONAL TEST PER SPEC: FCT\_AM3\_LINUX\_UI\_rev15  
HARDWARE REVISION (FOR REFERENCE ONLY)  
-DECIMAL: 3.0  
-BINARY: 0011
  - 6) ASSEMBLY TO BE MANUFACTURED PER RoHS/LEAD FREE STANDARDS
  - 7) REFER TO PCB MANUFACTURING NOTES ON FABRICATION LAYER OF GERBERS
  - 8) ALL DIMENSIONS ARE FOR REFERENCE ONLY
  - 9) U20 TO BE SET TO SINGLE-LEVEL-CELL MODE AND PROGRAMMED WITH  
FIRMWARE Q30109-009\_am3-commercial\_1\_9\_0\_250.img.gz  
U28 TO BE PROGRAMMED WITH FIRMWARE Q30120-002\_am3-bootloader.img
  - 10. APPLY NON-CORROSIVE PCB-SAFE RTV AROUND C193, L5, AND B1.  
MOMENTIVE RTV108 OR EQUIVALENT, MINIMUM BEAD DIAMETER 3MM

DEVELOPMENT PART

MATERIAL SPECIFICATIONS: NOTED		OTHER TREATMENTS AND FINISHES NOTED		PAINT - COLOR NONE		MDR: STACY GAHLON 08/06/2020		X.XX ±0.25 ±[.010]		TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.		DWG B SIZE	PART NUMBER 1261318
PART NAME: CIRCUITBOARD [UI, LINUX]				GLOSS	PERFORMANCE	ACCEPTANCE	DES: BRETT PAULSEN 06/23/2021	X.XXX ±0.125 ±[.0049]	SHEET 1 OF 1				
								ANGLES ±0.5°					