


REV.	DESCRIPTION	DATE	APPROVED
E	UPDATE BOM TO REV D CHANGE NOTE 4 TO ADD CONFORMAL COATING UPDATE NOTE 3	03/01/2023	
F	UPDATE LIST OF COMPONENTS IN NOTE 4	3/2/2023	

- 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
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_rev14
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 Q30109-008_am3-commercial_1_2_4_240.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]						
									ANGLES ±0.5°		SHEET 1 OF 1				

PART NUMBER
1261318