

NOTES:

- 1) PCB ASSEMBLY TO BE BUILT USING TENNANT QPL BILL OF MATERIAL: BOM1261318revE
- 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_rev17
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 Q30109-010_am3-commercial_1_9_0_251.img.gz
U28 TO BE PROGRAMMED WITH FIRMWARE Q30120-002_am3-bootloader.img
- 10. APPLY NON-CORROSIVE PCB-SAFE RTV AROUND C193, L5, AND B2.
RTV TO FOLLOW QPL Q50001-001, MINIMUM BEAD DIAMETER 3MM



REV 02 CHANGES
1) UPDATE NOTE 9 WITH NEW FIRMWARE

ECO CONSULTATION

MATERIAL SPECIFICATIONS: NOTED	OTHER TREATMENTS AND FINISHES NOTED	PAINT - COLOR NONE			
PART NAME: CIRCUITBOARD [UI, LINUX, AM3]		GLOSS	PERFORMANCE	ACCEPTANCE	

CHANGED BY: BRETT PAULSEN	DATE: 11/20/2024
MDR: STACY GAHLON	10/13/2023
DES: BRETT PAULSEN	06/23/2021

REV	ECO
02	

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.			
	PROPRIETARY INFORMATION			
	MAY NOT BE REPRODUCED OR DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.			
UNLESS OTHERWISE SPECIFIED DIMENSION TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-2009 ALL UNTOLERANCED DIMENSIONS ARE BASIC AND CONTROLLED BY:	SHEET 1 OF 1			<div>DWG B SIZE</div> <div>PART NUMBER 1261318</div>
X.X ±0.8 ±[.03]				
X.XX ±0.25 ±[.010]				
X.XXX ±0.125 ±[.0049]				
ANGLES ±0.5°				