

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
C5, D5	03	1) CHANGE BOM TO BOM 1261318revG 2) UPDATE HARDWARE REVISION 3) CHANGE FCT TO FCT_AM3_LINUX_UI_rev18	12/10/2025	

- NOTES:
- 03 1) PCB ASSEMBLY TO BE BUILT USING TENNANT QPL BILL OF MATERIAL: BOM1261318revG  
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
- 03 5) EACH ASSEMBLY TO BE ICT AND FUNCTIONALLY TESTED  
FUNCTIONAL TEST PER SPEC: FCT\_AM3\_LINUX\_UI\_rev18  
HARDWARE REVISION (FOR REFERENCE ONLY)  
-DECIMAL: 4.0  
-BINARY: 0100
- 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

## 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: 12/10/2025
MDR: STACY GAHLON	10/13/2023
DES: BRETT PAULSEN	06/23/2021

REV	ECO
03	

WELDING NOTATION IN ACCORDANCE  
WITH AWS A2.4-98

UNLESS OTHERWISE SPECIFIED  
DIMENSION TOLERANCING IN  
ACCORDANCE WITH ASME Y14.5M-2009  
ALL UNTOLERANCED DIMENSIONS ARE  
BASIC AND CONTROLLED BY:

X.X	±0.8	±[.03]
X.XX	±0.25	±[.010]
X.XXX	±0.125	±[.0049]
ANGLES	±0.5°	

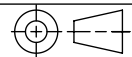
### GENERAL NOTES

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.

SHEET 1 OF 1



DWG  
B  
SIZE

PART NUMBER

1261318