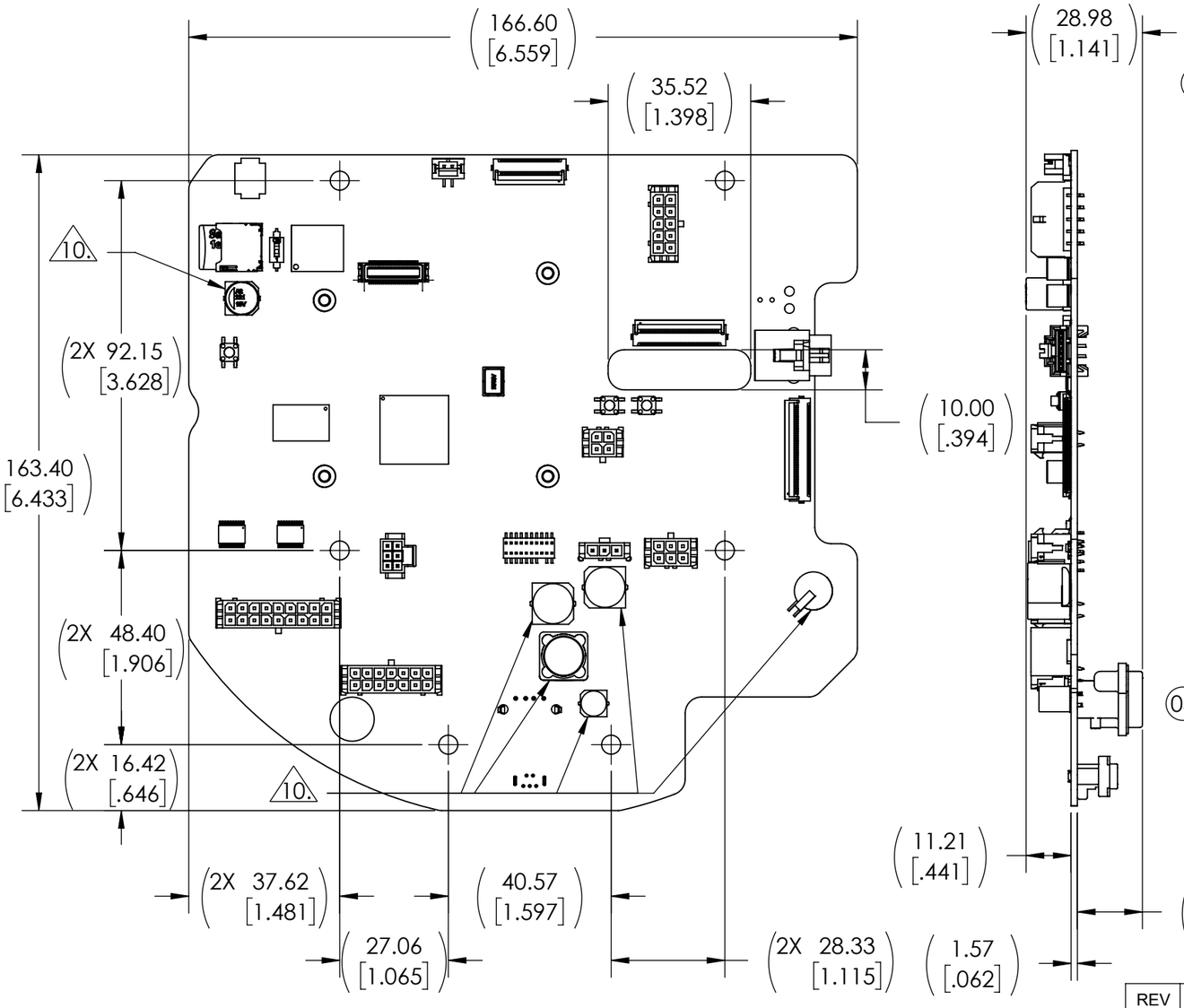

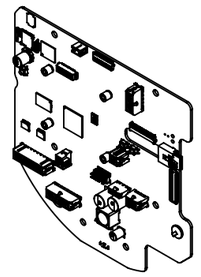

REV 03 CHANGES:
-UPDATE NOTE 1 WITH BOM1256673revJ
-UPDATE NOTE 5 TO HARDWARE REVISION 4
-UPDATE NOTE 10 TO REPLACE BT500 WITH BT501

NOTES:

(03) 1) PCB ASSEMBLY TO BE BUILT USING TENNANT QPL BILL OF MATERIAL: BOM1256673revJ

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) NO CONFORMAL COATING. THIS APPLICATION IS LVLE FOR UL

5) EACH ASSEMBLY TO BE ICT AND FUNCTIONALLY TESTED
FUNCTIONAL TEST PER SPEC: FCT_INDUSTRIAL_LINUX_UI_revG.pdf
HARDWARE REVISION (FOR REFERENCE ONLY)
(03) -DECIMAL: 4
-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) U1001 TO BE SET TO SINGLE-LEVEL-CELL MODE AND PROGRAMMED WITH FIRMWARE Q30124-005_Hercules_Industrial_Application_1.11.0.62.img
U500 TO BE PROGRAMMED WITH FIRMWARE Q30125-002_Hercules_Industrial_bootloader_1.11.0.49.img

(03) 10. APPLY NON-CORROSIVE PCB-SAFE RTV AROUND C301, C316, C367, C401, L300, AND BT501.
RTV TO FOLLOW QPL Q50001-001, MINIMUM BEAD DIAMETER 3MM

11) AFFECTS UL LISTINGS, DO NOT SUBSTITUTE

12) CERTIFICATE OF COMPLIANCE TO BE INCLUDED WITH EACH SHIPMENT PER TENNANT DOCUMENT 1270103

REV	ECO
03	

ECO CONSULTATION

MATERIAL SPECIFICATIONS:	OTHER TREATMENTS AND FINISHES	PAINT - COLOR
NOTED	NOTED	NONE

PART NAME: CIRCUITBOARD [UI, LINUX, AM4 DUAL CAN]

GLOSS | PERFORMANCE | ACCEPTANCE

CHANGED BY: BRETT PAULSEN	DATE:	06/17/2025
MDR: STACY GAHLON		02/16/2024
DES: BRETT PAULSEN		04/20/2021

WELDING NOTATION IN ACCORDANCE WITH AWS A2.4-98

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

X.X	±--	±[--]
X.XX	±--	±[--]
X.XXX	±--	±[--]
ANGLES	±--°	

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

TENNANT

DWG B SIZE

PART NUMBER 1256673