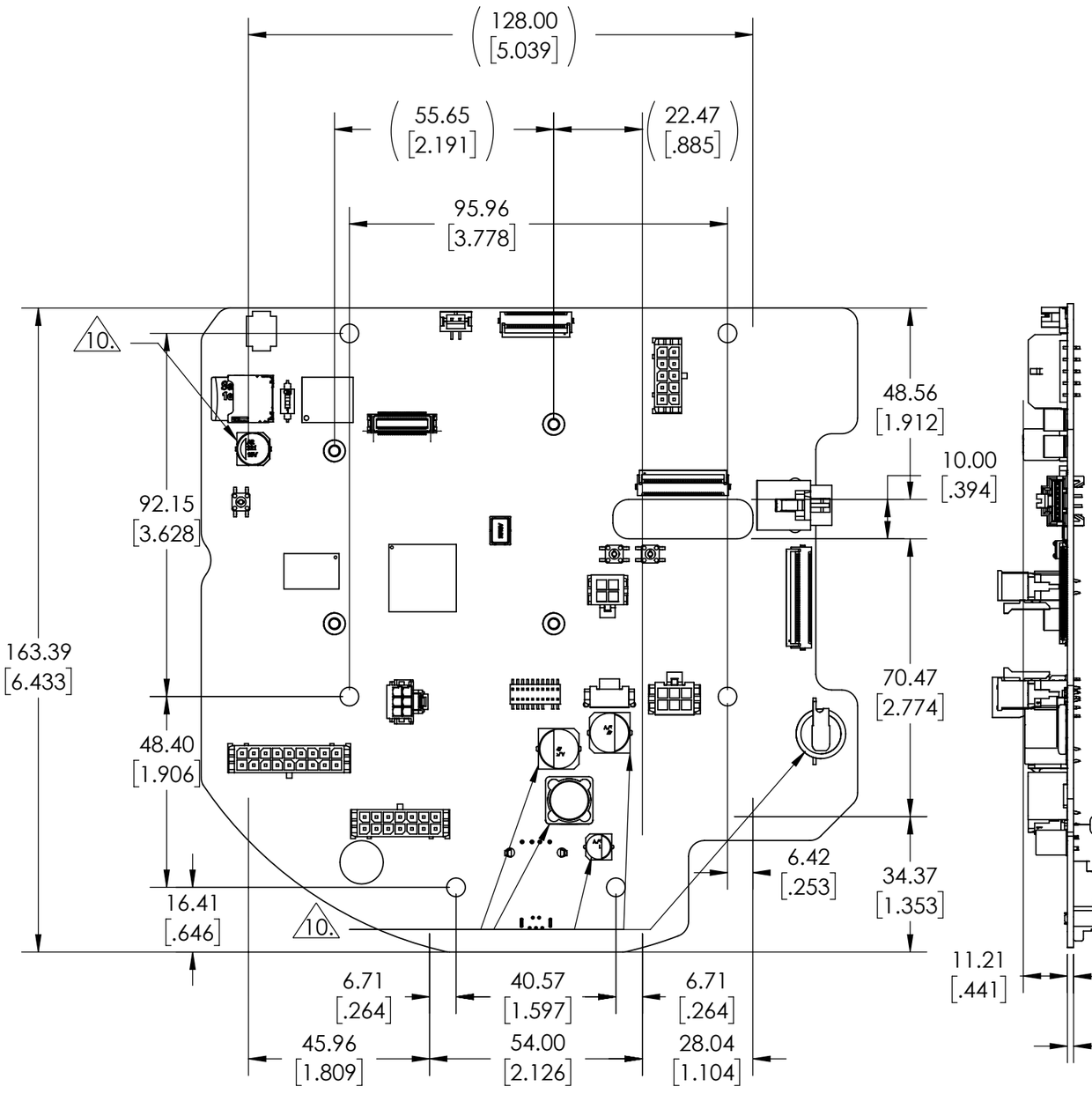

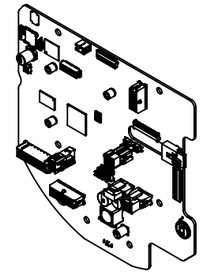

REV.	DESCRIPTION	DATE
I	UPDATE BOM TO REV F UPDATE HARDWARE REVISION AND FCT IN NOTE 5 UPDATE NOTE 10 UPDATE FIRMWARE IN NOTE 9	12/19/2023

NOTES:

1) PCB ASSEMBLY TO BE BUILT USING TENNANT QPL BILL OF MATERIAL: BOM1256673revF
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_revE.pdf
   HARDWARE REVISION (FOR REFERENCE ONLY)
   -DECIMAL: 3
   -BINARY: 011
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 Q30124-003_Hercules_Industrial_Application_1.11.0.53.img
   U500 TO BE PROGRAMMED WITH FIRMWARE Q30125001_Hercules_Industrial_bootloader_1.11.0.1.img
10. APPLY NON-CORROSIVE PCB-SAFE RTV AROUND C301, C316, C367, C401, L300, AND BT500.
    RTV TO FOLLOW QPL Q50001-001, MINIMUM BEAD DIAMETER 3MM

DEVELOPMENT PART

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

REV	ECO
-I	

CHANGED BY: BRETT PAULSEN — DATE: 12/19/2023
MDR:
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	±1.5	±[.06]
X.XX	±0.75	±[.030]
X.XXX	±0.250	±[.0098]
ANGLES	±2.0°	

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