



REV-02 CHANGES:  
1) SOFTWARE CHANGE: ADJUST MOTOR FET FAULT SENSITIVITY TO PREVENT ERRONEOUS FAULTS.  
2) ADD NOTE 10. DEFINES FIRWARE ON DRAWING INSTEAD OF IN THE BOM.

REV-03 CHANGES:  
1) CHANGE QPL BILL OF MATERIAL TO: BOM1219739revD, CHANGED TO NON-USB MICRO.

- NOTES:
- 1) PCB ASSEMBLY TO BE BUILT USING TENNANT QPL BILL OF MATERIAL: **BOM1219739revD**.
  - 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:
    - TENNANT PART NUMBER AND REVISION. EXAMPLE: **1219739-03**. NOTE: THIS NUMBER AND REVISION SHOULD MATCH THE RELEASED TENNANT DRAWING.
    - MANUFACTURER'S LABEL WITH SERIAL NUMBER. NOTE: PLACE LABEL(S) SO THEY ARE VISIBLE FROM THE TOP OF THE ASSEMBLY.
  - 4) NO CONFORMAL COATING.
  - 5) EACH ASSEMBLY TO BE ICT TESTED AND FUNCTIONALLY TESTED. FUNCTIONAL TEST PER SPEC TEN0000077.
  - 6) ASSEMBLY TO BE MANUFACTURED PER RoHS/LEAD FREE STANDARDS.
  - 7) SISTER ASSEMBLY TO 1219736 (BASE CONTROLLER WITH OPTIONS). UNUSED COMPONENTS ARE DEPOPULATED ON ASSEMBLY 1219739.
  - 8) DIMENSIONS ARE FOR REFERENCE ONLY.
  - 9) PART 1219739 REPLACES 1208467
  - 10) U23 TO BE PROGRAMMED WITH FIRMWARE: **Q30045-007: (VOLGA\_BASE\_PRODUCTION\_IMAGE\_1\_41.BIN)**.

ECO CONSULTATION

MATERIAL SPECIFICATIONS:		OTHER TREATMENTS AND FINISHES		PAINT - COLOR	
PART NAME:	CIRCUITBOARD, ASSY [B5/B7, BASE]		GLOSS	PERFORMANCE	ACCEPTANCE

CHANGED BY:	DATE:
KEITH HILDEBRAND	09/08/2022
MDR:	
DES:	03/19/2015
JOHN HAEG	

REV		ECO		WELDING NOTATION IN ACCORDANCE WITH AWS A2.4-15:		GENERAL NOTES	
03				UNLESS OTHERWISE SPECIFIED DIMENSION TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-2009 ALL UNTOLERANCED DIMENSIONS ARE BASIC AND CONTROLLED BY:		PRIMARY DIMENSIONS ARE METRIC. REFERENCE DIMENSIONS WITH BRACKETS ARE INCH. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE AFTER TREATMENTS AND FINISHES.	
				X.X ±0.8 ±[.03]		PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.	
				X.XX ±0.25 ±[.010]			
				X.XXX ±0.250 ±[.0098]			
				ANGLES ±05°			
SHEET		1 OF 1					
DWG		D		SIZE		PART NUMBER	
						1219739	

