


NOTES:

- PRINTED CIRCUIT ASSEMBLY TO BE BUILT USING TENNANT QPL BILL OF MATERIALS: **8OM1218382revM**.
- WORKMANSHIP STANDARD PER: IPC-J-STD-001E, IPC-A-610E CLASS 2, SOLDERING AND ELECTRICAL COMNETIONS: IPC-S-815B, OR MORE CURRENT VERSIONS OF THESE STANDARDS.
- APPLY LABEL/LABELS WITH THE FOLLOWING INFORMATION:
TENNANT PART NUMBER AND REVISION [EXAMPLE **1218382-04**]
(NUMBER AND REV MUST MATCH THIS DRAWING)
MANUFACTURER'S LABEL WITH SERIAL NUMBER
PLACE LABELS SO THEY ARE VISIBLE FROM THE TOP OF ASSEMBLY.
- CONFORMAL COATING APPLIED TO TOP AND BOTTOM SIDES OF PCB.
TOPSIDE NOTES: NO COATING ON CONNECTOR MATING SURFACES.
NO COATING IN 12MM DIAMETER AROUND MOUNTING HOLES.
BOTTOM SIDE NOTES: NO COATING IN DEFINED HEATSINK AREA, AND IN 12MM DIAMETER AROUND MOUNTING HOLES.
COATING MFR: HUMISEAL 1B73
- EACH ASSEMBLY TO BE ICT AND FUNCTIONALLY TESTED.
- MANUFACTURED PER ROHS/LEAD FREE STANDARDS.
- DIMENSIONS ARE FOR REFERENCE ONLY.
- APPLY NON-CORROSIVE PCB-SAFE RTV AROUND AND BETWEEN THE SEVEN LARGE CAPACITORS SHOWN, AND COMPONENTS C152, C24, L1 AND L2.
- USE MOMENTIVE RTV108 OR EQUIVALENT.
- MINIMUM BEAD DIA - 3MM
- HEATSINK MOUNTING AREA: THIS AREA ON BACK SIDE TO BE FREE OF SOLDER BUMPS. THE SOLDER PROCESS MUST PREVENT A BUILDUP OF SOLDER IN THIS AREA.
- PCB MANUFACTURING NOTES ARE FOUND ON THE DRILL DRAWING LAYER OF THE GERBERS.
- HEATSINK HARDWARE:
(2) SCREW, PAN HEAD, 316 SS, DIN 7985, M3 X 0.5 X 8MM. McMASTER CARR #92000A118 OR EQUIVALENT.
(2) WASHERS, M4, FLAT, PHENOLIC, GENERIC.
TORQUE SCREWS TO 4-5 INCH-LBS.
- U6 TO BE PROGRAMMED WITH FIRMWARE:
Q30072-002: (LIGHTNING_MAIN_SWEEP_PRODUCTION_IMAGE_1_04.BIN).

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SEE NOTE #1.	CIRCUITBOARD, MAIN SWEEP [M17/LIGHTNING]	1
2	SEE NOTE #11.	SCREW, PAN HEAD, SS, M3 X 0.5 X 8MM	2
3	SEE NOTE #11.	WASHER, M3, FLAT, PHENOLIC.	2
4	1222537-00	PAD, SIL, CIRCUITBOARD [M17, MAIN SWEEP]	1
5	1222536-01	HEATSINK, CIRCUITBOARD [M17, MAIN SWEEP]	1

REV-04 CHANGES:
1) CHANGE THE TWO HEATSINK SCREWS FROM 10MM TO 8MM LONG. THE 10MM LONG SCREWS WERE EXTENDING OUT OF THE HEATSINK.
NOTE: NO SOFTWARE OR QPL BOM CHANGES WERE MADE.

										REV		ECO		WELDING NOTATION IN ACCORDANCE WITH AWS A2.4-15: UNLESS OTHERWISE SPECIFIED DIMENSION TOLERANCING IN ACCORDANCE WITH ASME Y14.5-2009 ALL UNTOLERANCED DIMENSIONS ARE CONTROLLED BY:		GENERAL NOTES PRIMARY DIMENSIONS ARE METRIC. REFERENCE DIMENSIONS WITH BRACKETS ARE INCH. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE AFTER TREATMENTS AND FINISHES.							
										04		28520											
MATERIAL SPECIFICATIONS: NOTED										OTHER TREATMENTS AND FINISHES		PAINT - COLOR		CHANGED BY: JOHN HAEG		DATE:		PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.		DWG D SIZE		PART NUMBER 1218382	
																07/11/2017							
PART NAME: CIRCUITBOARD ASSY [M17, MAIN SWEEP]										GLOSS		PERFORMANCE		ACCEPTANCE		DES:		07/11/2017		SHEET 1 OF 1		