



ADD LABEL IN THIS AREA.
SEE NOTE #2.

SEE NOTE #4

ITEM NO	QTY	PART NUMBER	DESCRIPTION
1	1	1058516	PLATE, ELE
2	1	1058189	PAD, ELE, RBR
3	1	1058188	PAD, ELE, RBR, LRG
4	1	1057354	HEATSINK, CIRCUITBOARD
5	1	1057563	PAD, SIL, HEATSINK
6	1	1054014	CIRCUITBOARD
7	2	SEE NOTE #4	M6, HEX HEAD BOLT, BRASS
8	4	SEE NOTE #4	M6, WASHER, FLAT, BRASS
9	2	SEE NOTE #4	M6, STANDOFF, BRASS
10	4	SEE NOTE #3	M4, SCREW, PAN HEAD

- NOTES:
- TO BE BUILT WITH CIRCUITBOARD: 1054014.
 - APPLY LABEL WITH TENNANT PART NUMBER AND REVISION. EXAMPLE: 1076908-00.
NOTE: THE CIRCUIT BOARD WILL ALREADY HAVE A QPL BILL OF MATERIAL LABEL, AND A MANUFACTURER'S LABEL WITH SERIAL NUMBER.
 - M4 SCREWS HOLDING THE HEATSINK ASSEMBLY TOGETHER:
 - TO BE APPLIED IN THE FOUR LOCATIONS AS SHOWN.
 - SCREW HEAD TO BE ON THE TOP SIDE OF THE PCB.
 - TO BE TORQUED TO 99-128 NCM.
 - (4) SCREW, PAN HEAD, PHILLIPS DRIVE, M4 x 0.70 x 20, CLASS 4.8, ZINC PLATED.
 - APPLY REMOVEABLE LOCTITE 243 (BLUE) TO THE M4 HEATSINK HARDWARE.
 - THE TWO OUTER M5 SCREW HOLES TO REMAIN UNPOPULATED. THEY ARE USED TO FIT THIS ASSEMBLY AGAINST A METAL PLATE ON THE MACHINE.
 - BATTERY+ AND BATTERY GROUND STUD HARDWARE:
 - (2) M6, 25MM LONG, HEX HEAD, BRASS BOLT, 1MM PITCH, FULLY THREADED: MCMaster CARR #93270A440 OR EQUIVALENT.
 - (4) M6, WASHER, BRASS, FLAT, 12MM O.D., 1.4-1.8MM THICK: MCMaster CARR #91635A240 OR EQUIVALENT.
 - (2) M6, STANDOFFS, BRASS, 1MM PITCH, 10MM TALL, 13MM WIDE, RAF# M1457-6010-B OR EQUIVALENT
 - TO BE APPLIED IN THE TWO LOCATIONS AS SHOWN, AND TORQUED TO 5.88 Nm.ASSEMBLY SEQUENCE:
 - BOLT HEAD AND SINGLE FLAT WASHER ON THE BOTTOM SIDE OF THE PCB AT BOTH LOCATIONS.
 - FLAT WASHER, THEN THE BRASS STANDOFF ON THE TOP SIDE OF THE PCB AT BOTH LOCATIONS.
 - EACH ASSEMBLY TO HAVE A CONTINUITY TEST BETWEEN THE "B+" STUD AND THE METAL HEATSINK. NO CONTINUITY = PASS. CONTINUITY = IMPROPER INSTALLATION OF THE HEATSINK SIL-PAD (ITEM #5).
 - FIRMWARE: QUANTUM/T16_SOFTWARE_MAIN_CODE: Q30023-009 (Q101520A.OUT)
QUANTUM/T16_SOFTWARE_BOOTLOADER: Q30024-001 (QB112009.OUT)

MATERIAL SPECIFICATIONS: NOTED			PAINT - COLOR NONE			01	34223	PDH	10/20/2020	
OTHER TREATMENTS AND FINISHES NONE			PAINT - GLOSS	PAINT - PERFORMANCE	PAINT - ACCEPTANCE	REV	ECO	BY	DATE	
SCALE: :		DO NOT SCALE DWG	TOLERANCES UNLESS OTHERWISE SPECIFIED		GENERAL NOTES		<div></div>			
DWN: PAUL HENDERSON 07/07/2020		METRIC TOLERANCES		INCH EQUIVALENT		PRIMARY DIMENSIONS ARE METRIC, SECONDARY DIMENSIONS WITH BRACKETS ARE INCH. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE AFTER TREATMENTS AND FINISHES.				
MDR: STACY GAHLON 07/14/2020		LINEAR		±0.75 ±.030		PROPRIETARY INFORMATION				
DES: ABDI HASHI 10/29/2019		SLOT WIDTH		±0.25 ±.010		MAY NOT BE REPRODUCED OR DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION OF TENNANT COMPANY.				
		HOLE DIA		±0.25 ±.010						
		ANGULAR		±2°						
		MACH SURFACES		3.2 RMS 125 RMS						
PART NAME: CIRCUITBOARD ASSY [T16]				SHEET 1 OF 1						DWG D SIZE