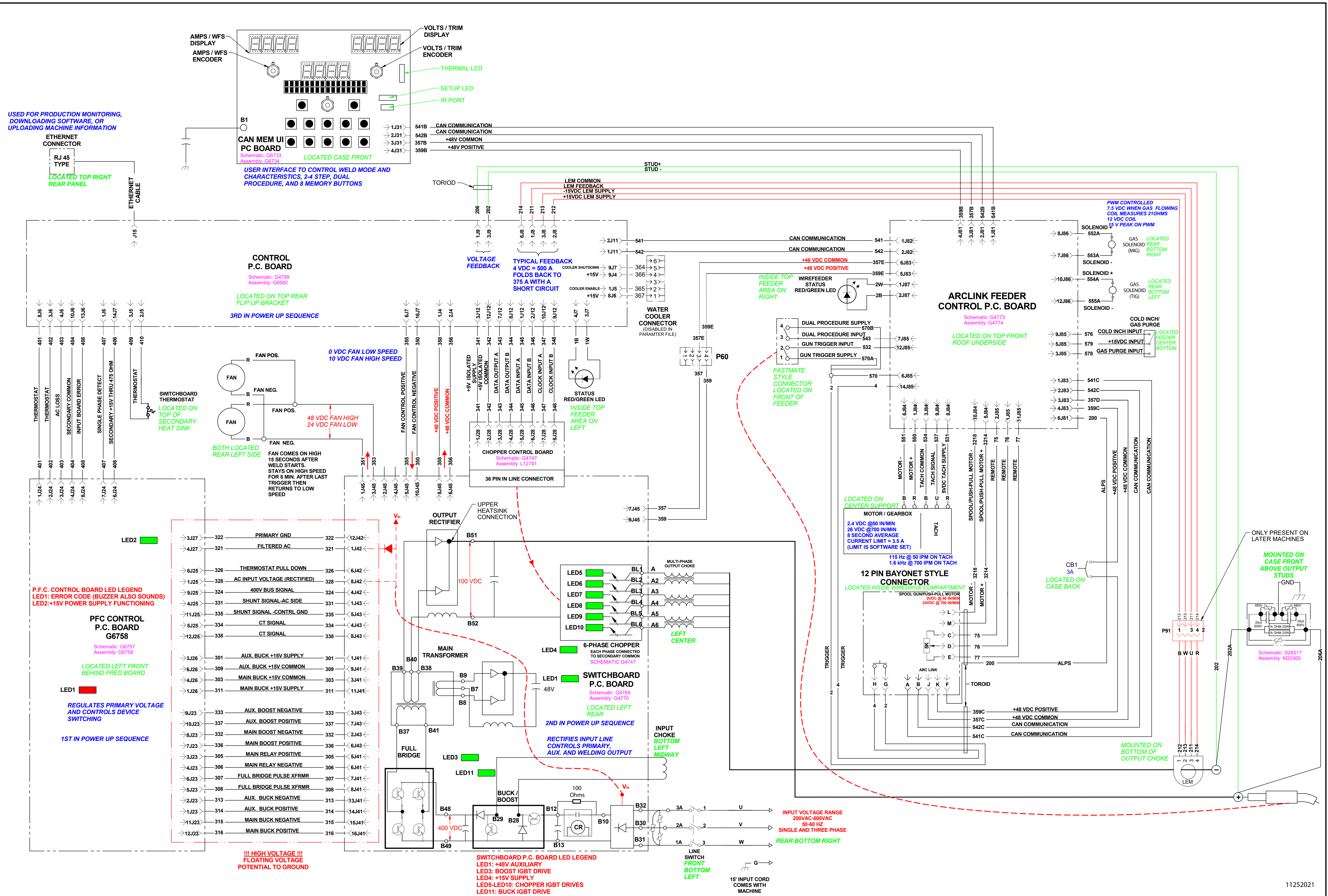
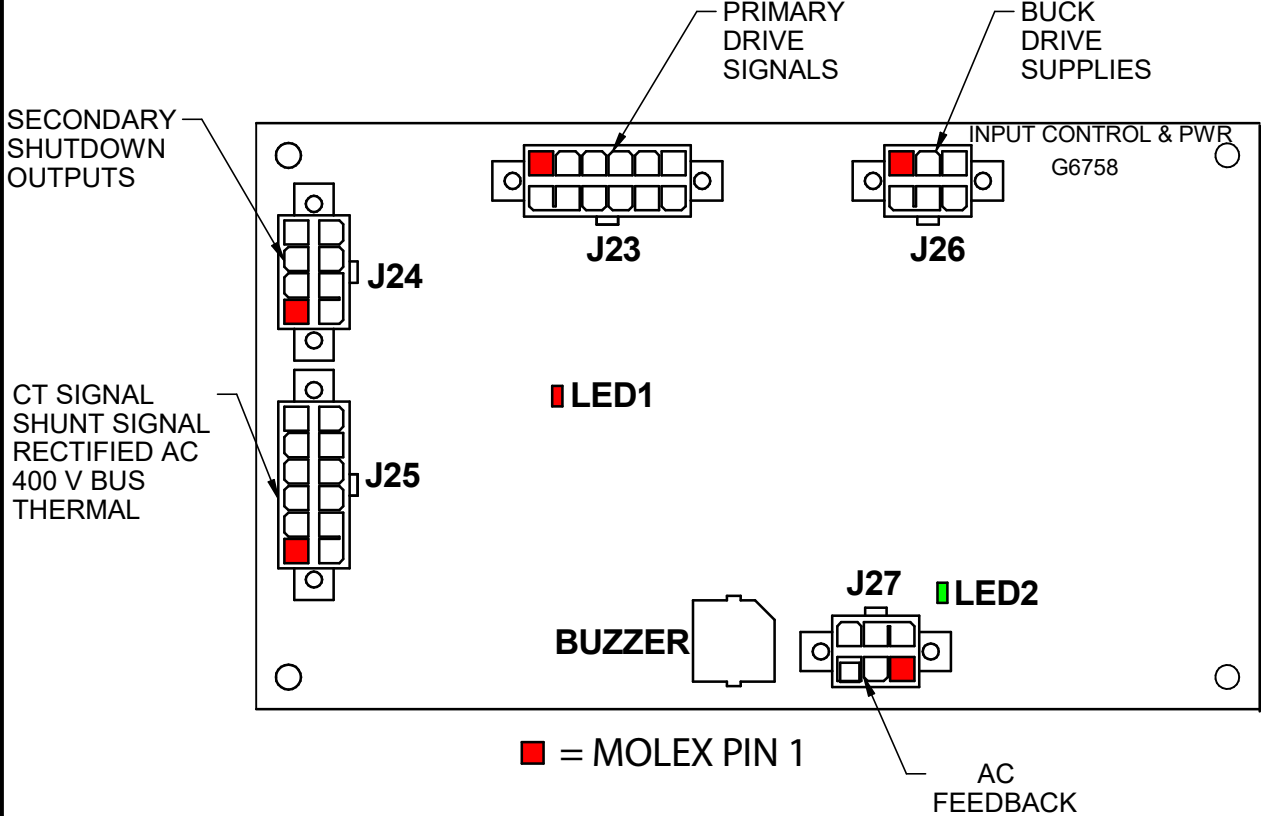


POWER WAVE C300 MACHINE SCHEMATIC G6128-2 REV: D



PFC CONTROL
P.C. BOARD

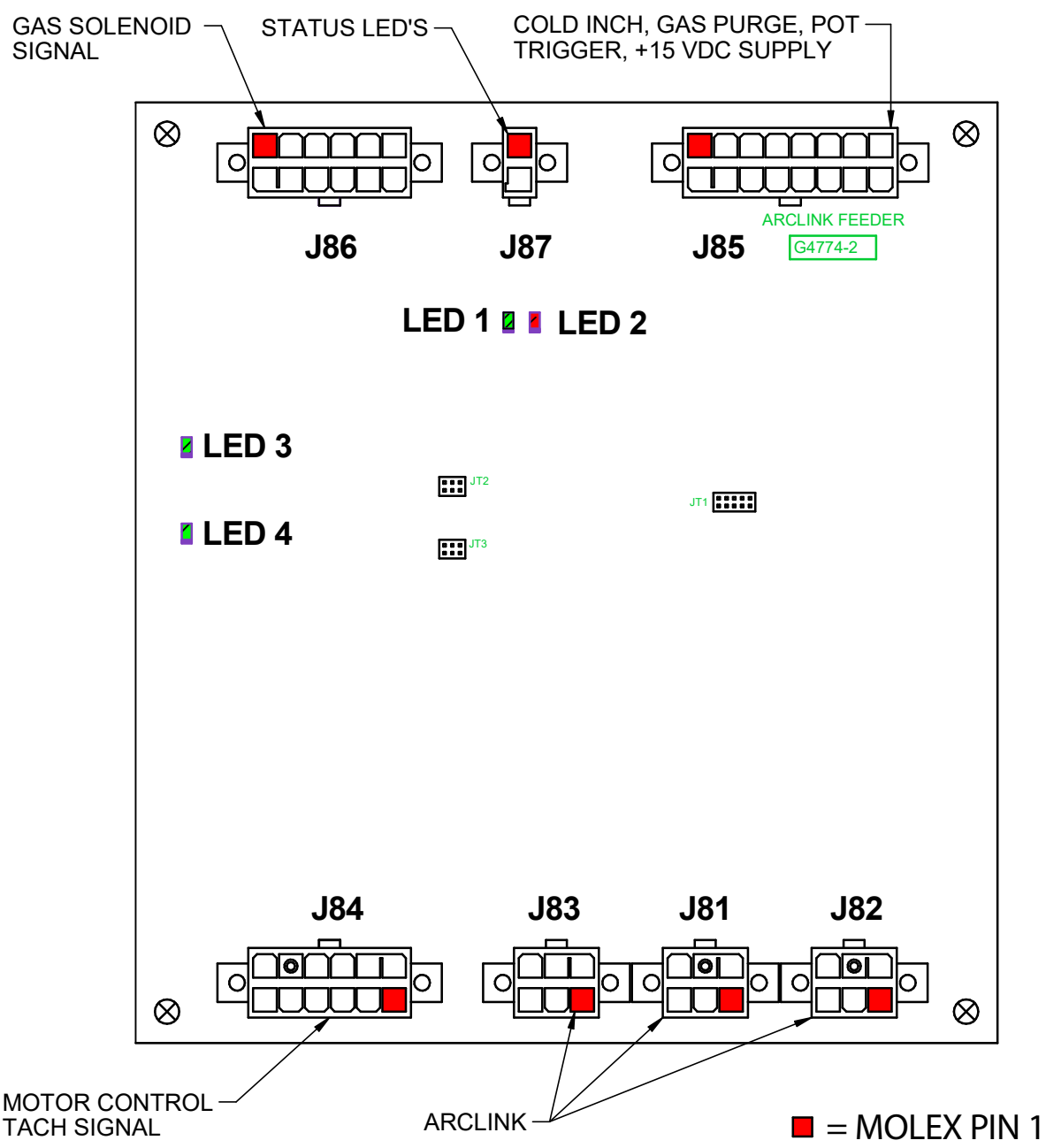


Description of LED functions on Power Wave C300
For reference only

G6758 PFC CONTROL P.C. BOARD		
LED #	COLOR	FUNCTION
2	GREEN	15 VDC POWER SUPPLY FUNCTIONING PROPERLY WHEN ON
1	RED	ERROR CODE (LED WILL FLASH ERROR AND BUZZER WILL SOUND) SEE TABLE BELOW FOR DETAILS

ERROR CODE	
ERROR	EXPLANATION
331	PEAK INPUT CURRENT LIMIT
334	START UP CURRENT CHECK FAILURE
335	START UP VOLTAGE CHECK FAILURE
336	THERMAL FAULT (NO FIRST STAGE FAN)
337	PRECHARGE TIMEOUT
346	TRANSFORMER PRIMARY OVERCURRENT

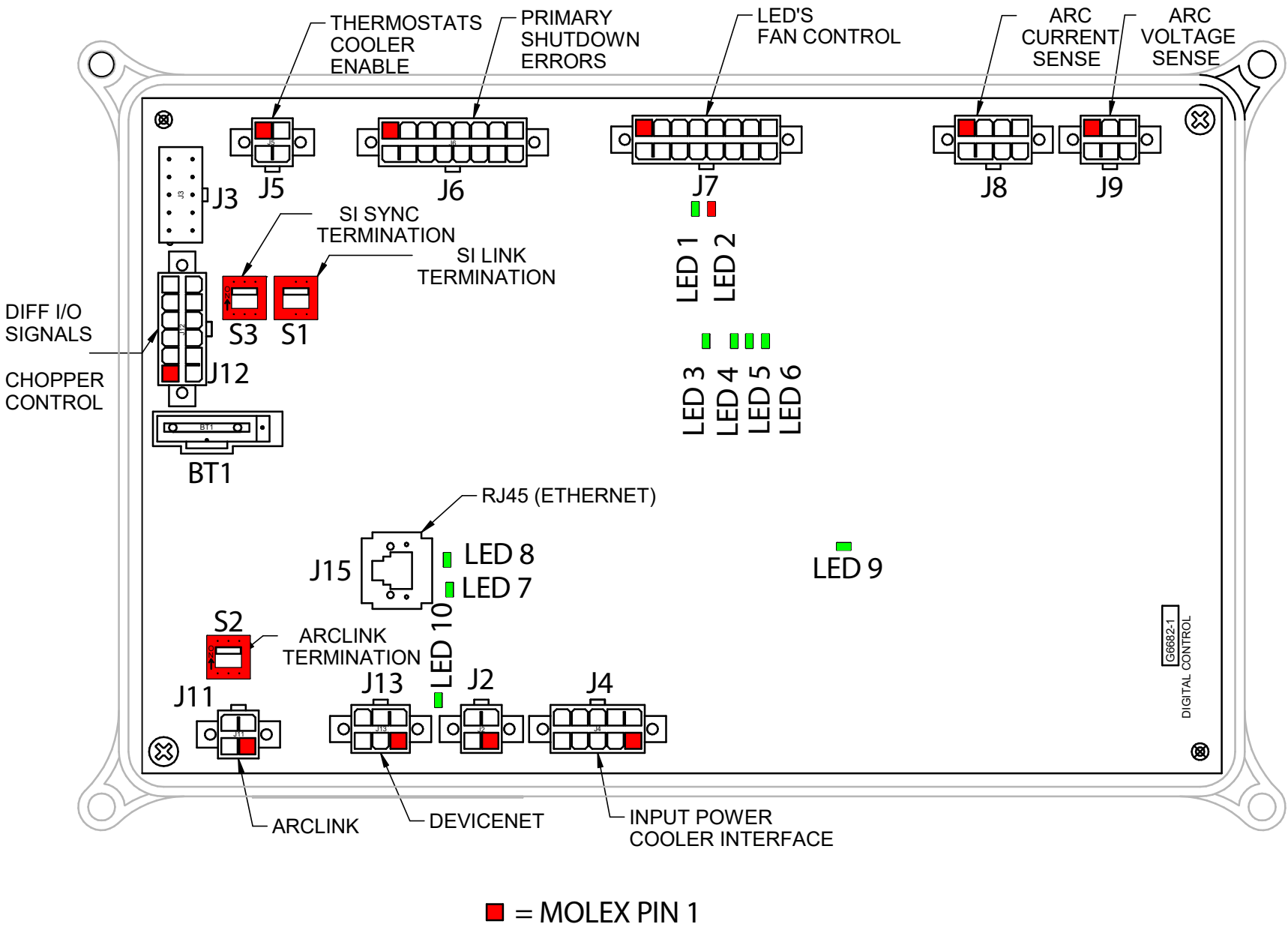
ARCLINK FEEDER
P.C. BOARD



Description of LED functions on Power Wave C300
For reference only

G4774 FEEDHEAD P.C. BOARD		
LED#	COLOR	FUNCTION
1	GREEN	ARC LINK STATUS "OK"
2	RED	ARC LINK STATUS "ERROR"
3	GREEN	PSOC STATUS
4	GREEN	PSOC STATUS

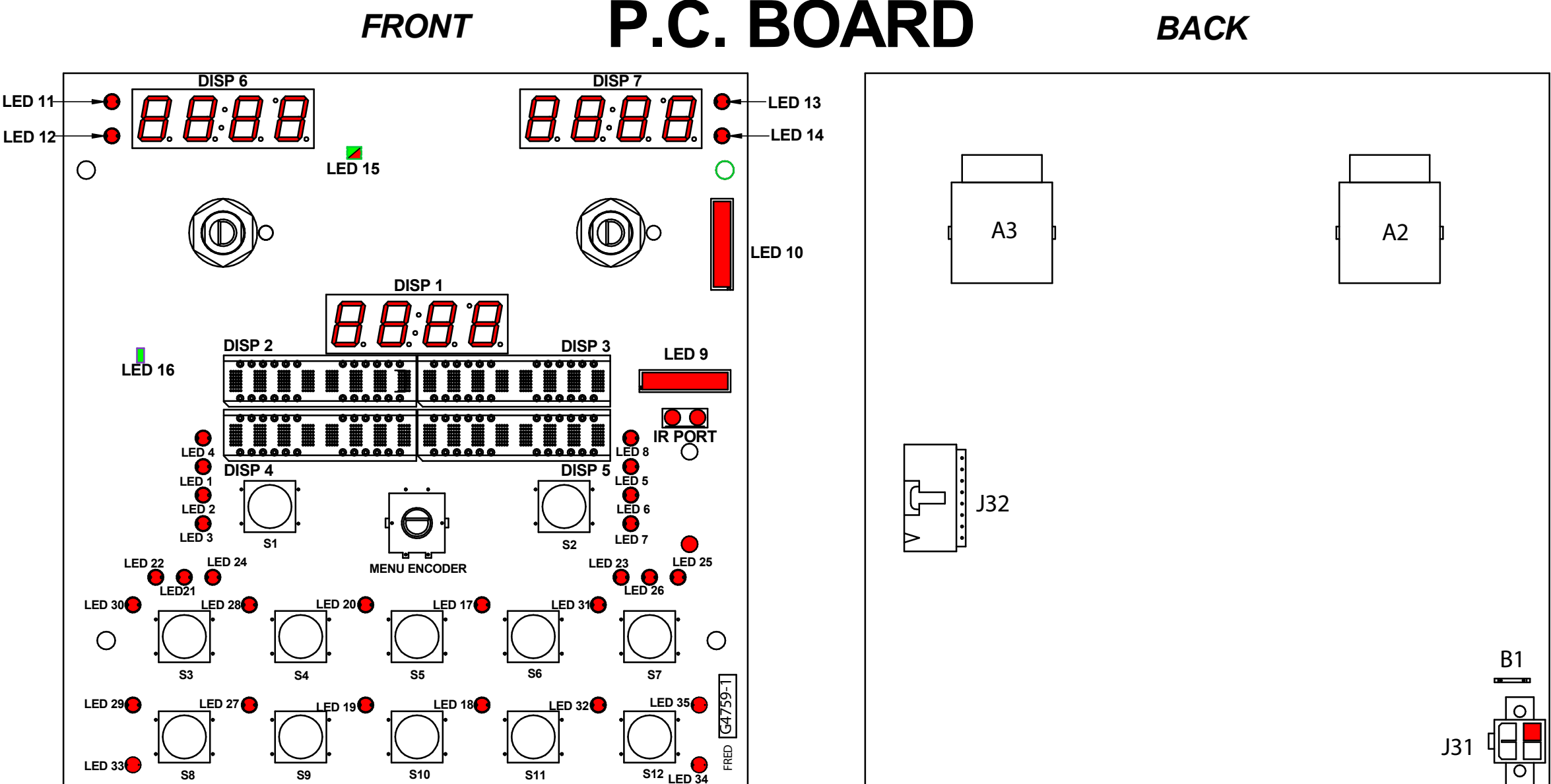
CONTROL
P.C. BOARD



Description of LED functions
on Power Wave C300 For reference only

G6682 CONTROL P.C. BOARD		
LED #	COLOR	FUNCTION
1	GREEN	STATUS "OK"
2	RED	STATUS "ERROR" (CHECK CODE FOR SPECIFIC ERROR)
3	GREEN	OUTPUT ENABLE
4	GREEN	SINGLE PHASE FAULT
5	GREEN	ELECTRODE SENSE
6	GREEN	WORK SENSE
7	GREEN	ETHERNET LINK/ACTIVITY STATUS
8	GREEN	ETHERNET SPEED STATUS
9	GREEN	INPUT SUPPLY 30 VDC TO 55 VDC
10	GREEN	DEVICENET EXTERNAL 24 VDC PRESENT

CAN MEM UI
P.C. BOARD



Description of LED functions on Power Wave C300

For reference only

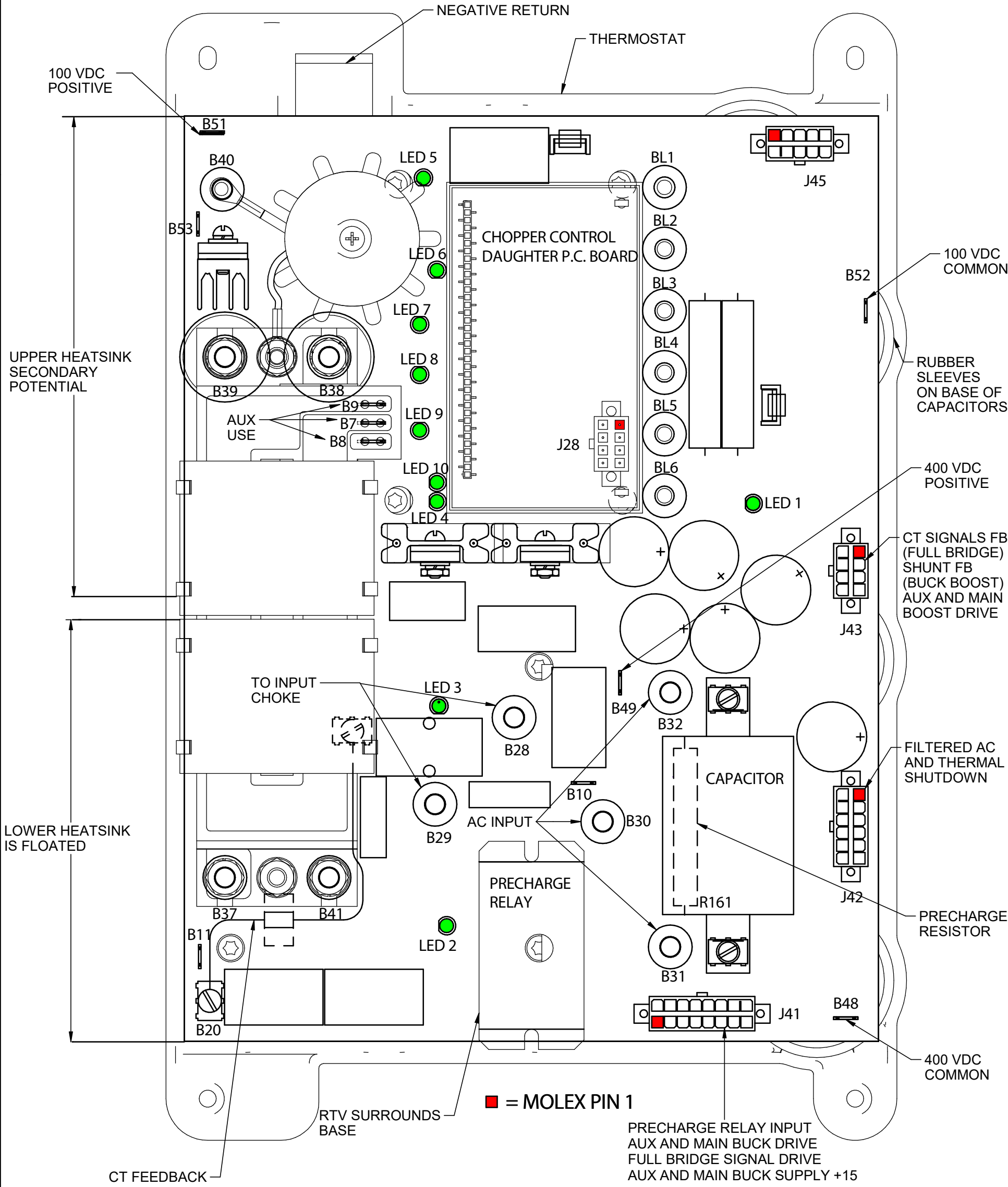
G4759 F.R.E.D P.C. BOARD

LED #	COLOR	FUNCTION	LED #	COLOR	FUNCTION	LED #	COLOR	FUNCTION
1	RED	N/A	13	RED	VOLTS SELECT	24	RED	PROCEDURE B SELECT
2	RED	WAVE CONTROL SELECT	14	RED	TRIM SELECT	25	RED	N/A
3	RED		15	GREEN	STATUS "OK"	26	RED	N/A
4	RED	N/A		RED	STATUS "ERROR" (CHECK CODE FOR SPECIFIC ERROR)	27	RED	MEMORY SELECT SWITCH 5
5	RED	N/A	16	GREEN	POWER SUPPLY FUNCTION "OK"	28	RED	MEMORY SELECT SWITCH 4
6	RED	PRE-WELD CONTROL SELECT	17	RED	MEMORY SELECT SWITCH 6	29	RED	2 STEP TRIGGER MODE
7	RED	POST-WELD CONTROL SELECT	18	RED	MEMORY SELECT SWITCH 11	30	RED	N/A
8	RED	N/A	19	RED	MEMORY SELECT SWITCH 10	31	RED	MEMORY SELECT SWITCH 7
9	RED	SETUP MENU ENABLED	20	RED	MEMORY SELECT SWITCH 5	32	RED	MEMORY SELECT SWITCH
10	RED	THERMAL FAULT MEASURED	21	RED	TORCH DUAL PROCEDURE SELECT	33	RED	4 STEP TRIGGER MODE
11	RED	WIRE FEED SPEED SELECT	22	RED	PROCEDURE A SELECT	34	RED	N/A

SWITCHBOARD
P.C. BOARD

Description of LED functions on Power Wave C300
For reference only

G4770 SWITCHBOARD P.C. BOARD		
LED #	COLOR	FUNCTION
1	GREEN	48 VDC AUXILIARY POWER FUNCTIONING WHEN ON
3	GREEN	BOOST IGBT DRIVE FUNCTIONING WHEN ON
4	GREEN	15 VDC POWER FUNCTIONING PROPERLY WHEN ON
5	GREEN	CHOPPER IGBT 1 DRIVE FUNCTIONING WHEN ON
6	GREEN	CHOPPER IGBT 2 DRIVE FUNCTIONING WHEN ON
7	GREEN	CHOPPER IGBT 3 DRIVE FUNCTIONING WHEN ON
8	GREEN	CHOPPER IGBT 4 DRIVE FUNCTIONING WHEN ON
9	GREEN	CHOPPER IGBT 5 DRIVE FUNCTIONING WHEN ON
10	GREEN	CHOPPER IGBT 6 DRIVE FUNCTIONING WHEN ON
11	GREEN	BUCK IGBT DRIVE FUNCTIONING WHEN ON



NOTE: P.C. BOARD GRAPHICS ARE FOR REFERENCE ONLY. SEE P.C. BOARD DRAWINGS FOR UP TO DATE INFORMATION.