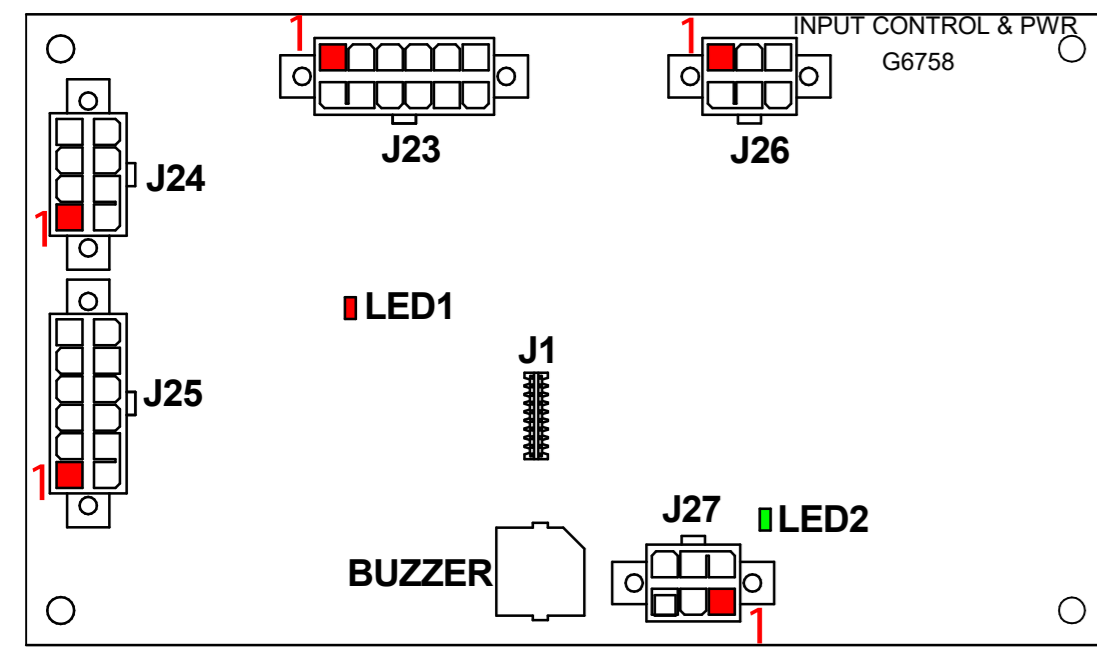


PFC CONTROL P.C. BOARD

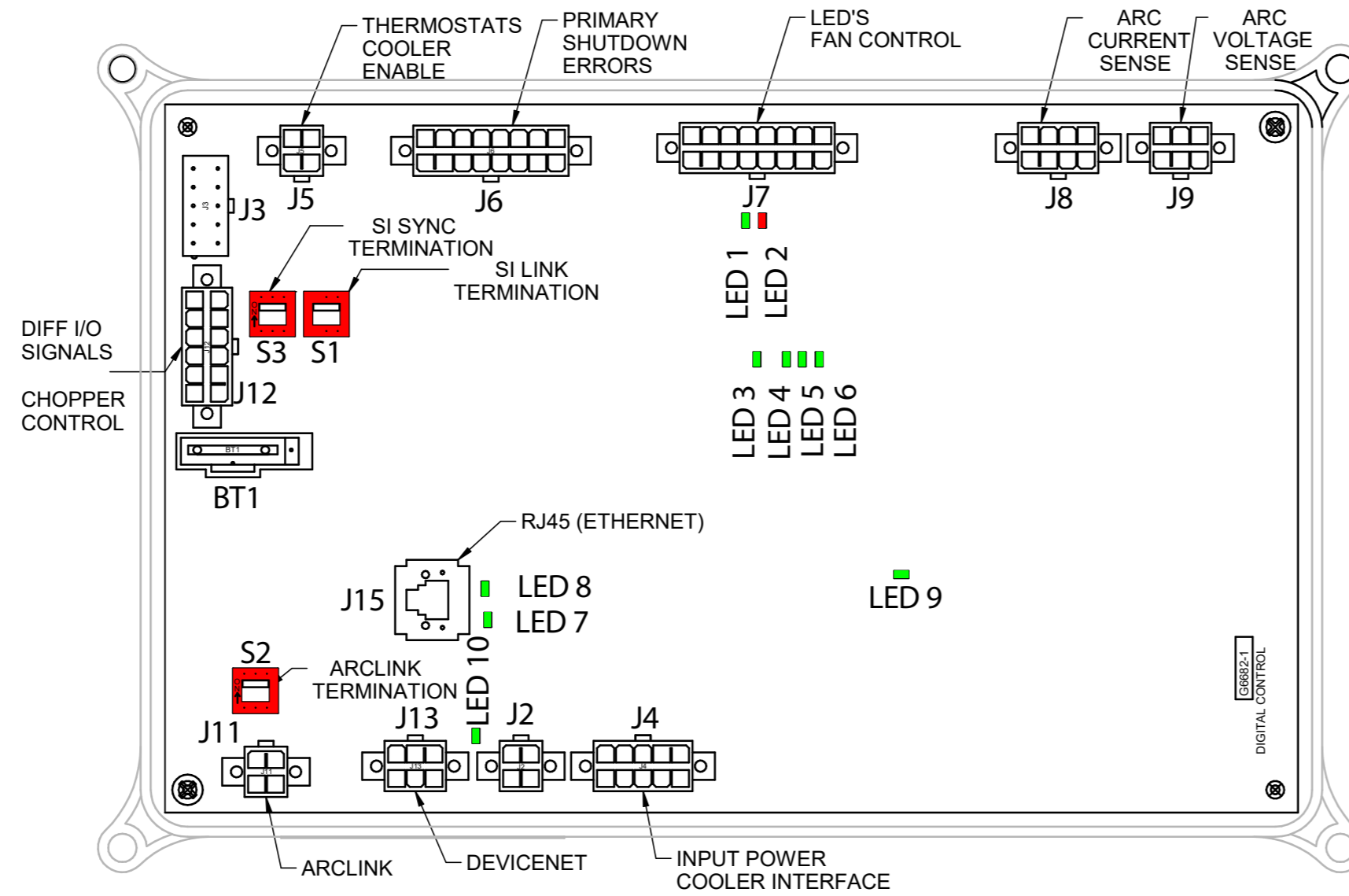


Description of LED functions on Power Wave S350 For reference only

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

CONTROL P.C. BOARD



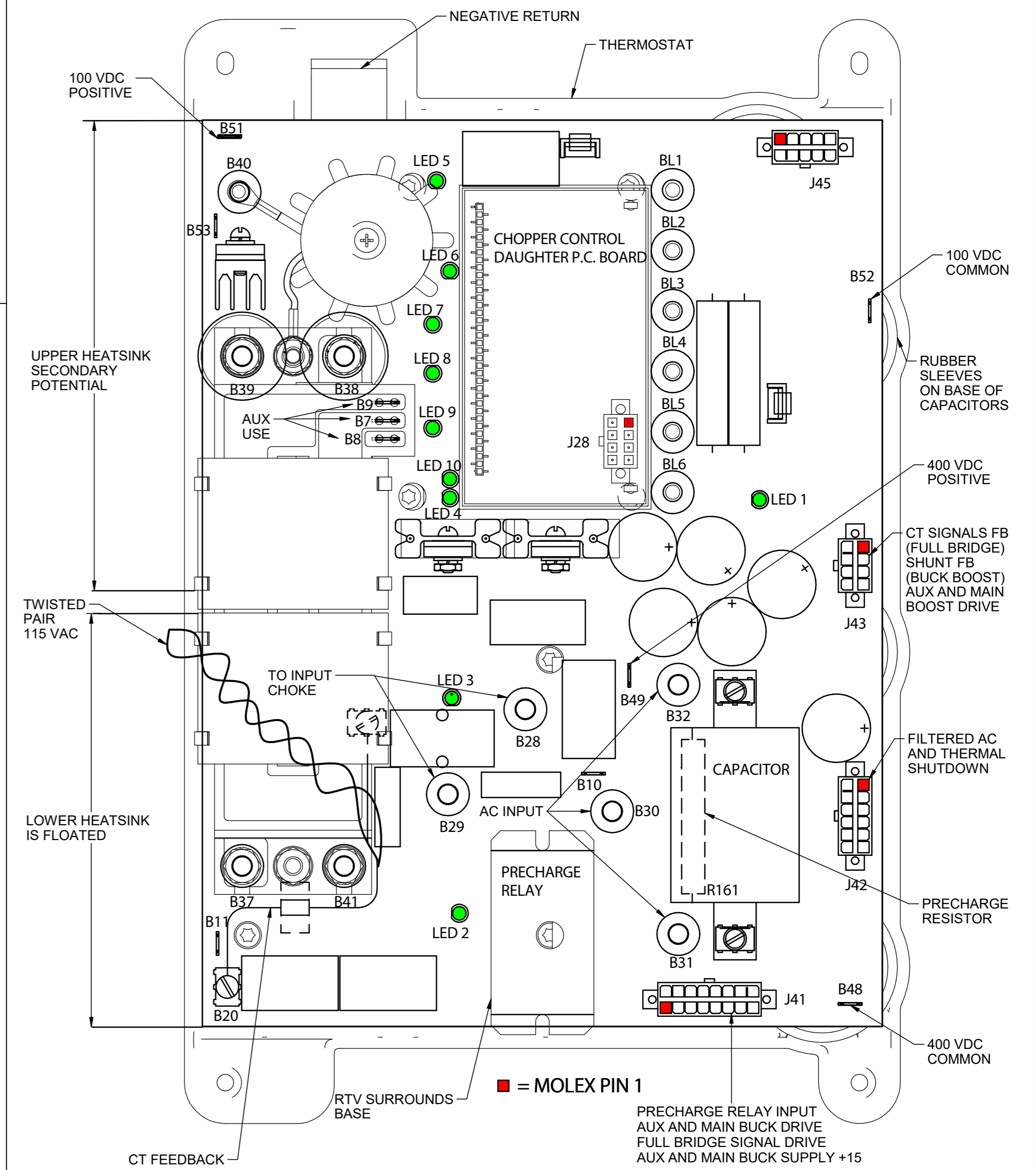
Description of LED functions on Power Wave S350 For reference only

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

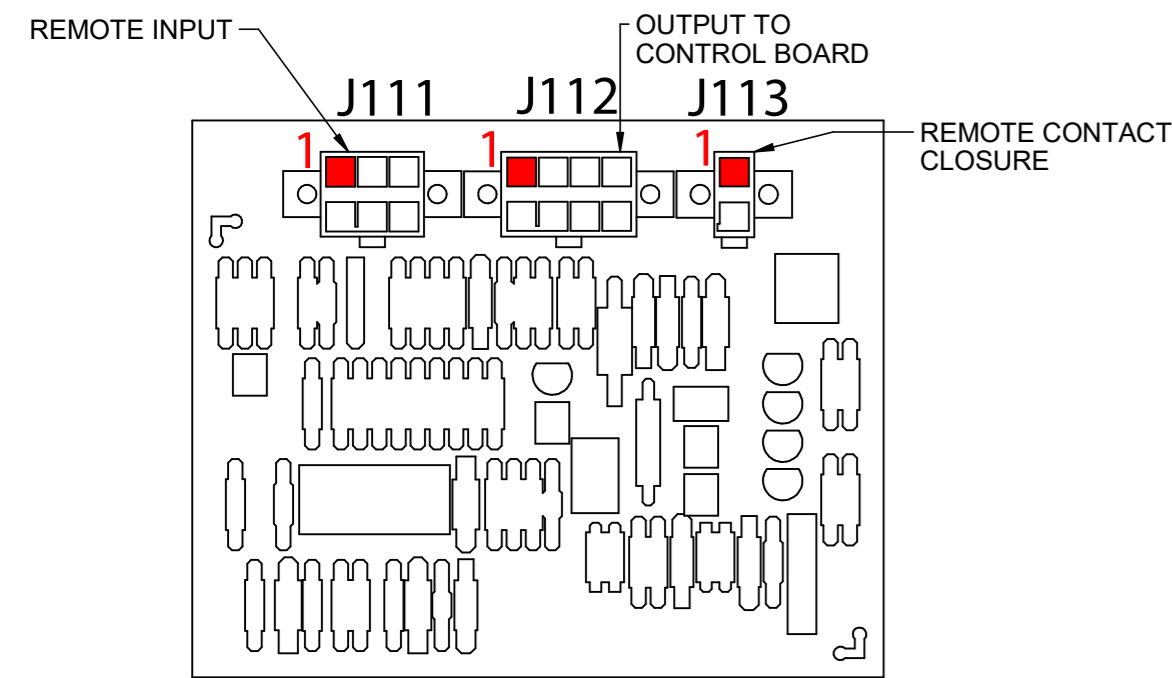
3 STAGE INVERTER SWITCHBOARD P.C. BOARD

Description of LED functions on Power Wave S350 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



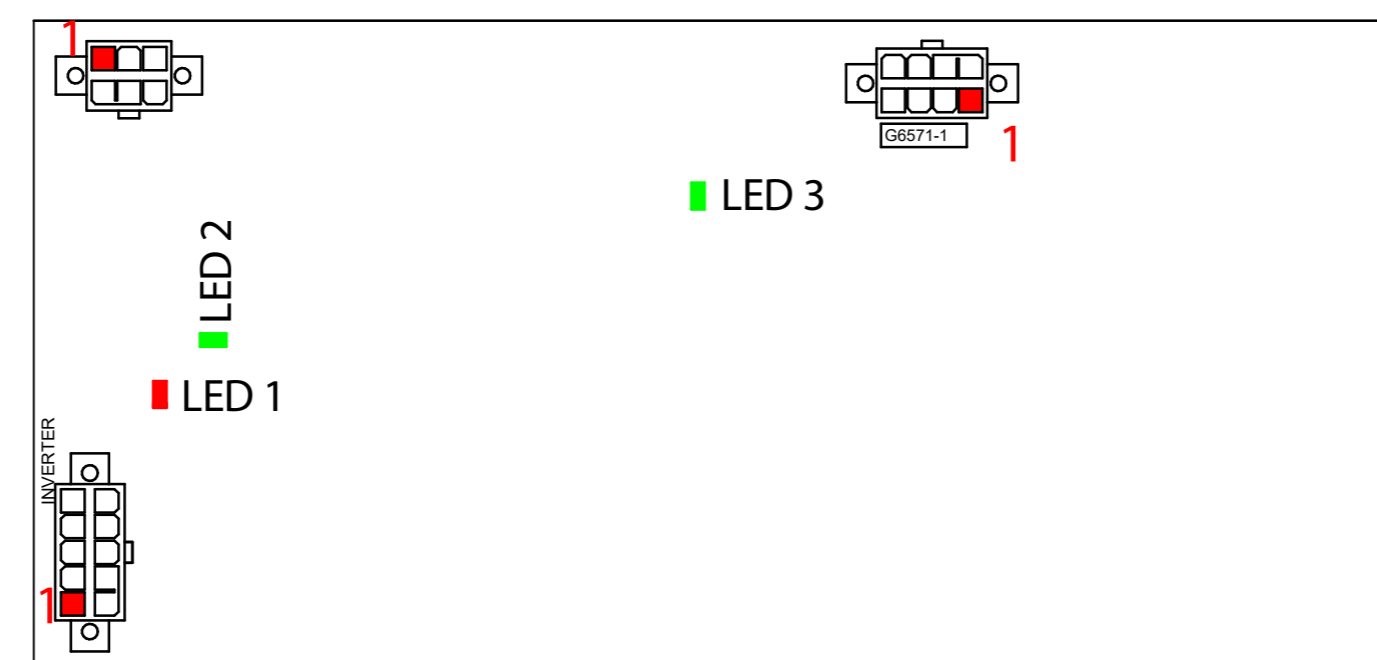
REMOTE BOARD ASSEMBLY G5672-1



NO P.C. BOARD MOUNTED LED'S

G6572 REMOTE CONTROL P.C. BOARD	
FREQUENCY	INTERPRETATION
< 1500	MAXIMUM POT SETTING
= 5000	MINIMUM POT SETTING
> 5050	NO REMOTE POT CONNECTION

115VAC INVERTER P.C. BOARD (OPTIONAL)

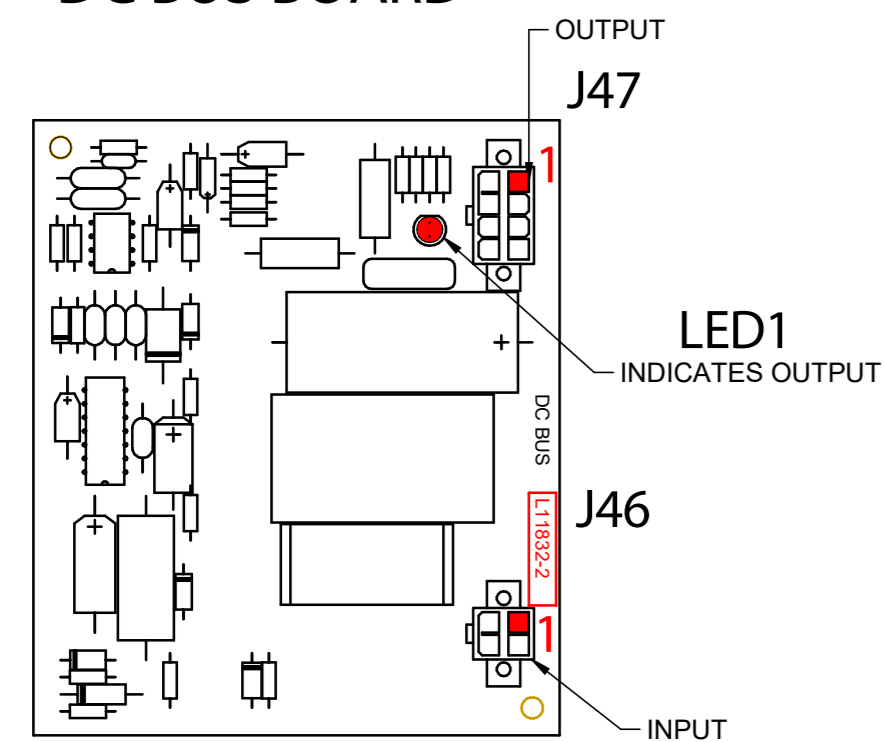


Description of LED functions on Power Wave S350 For reference only

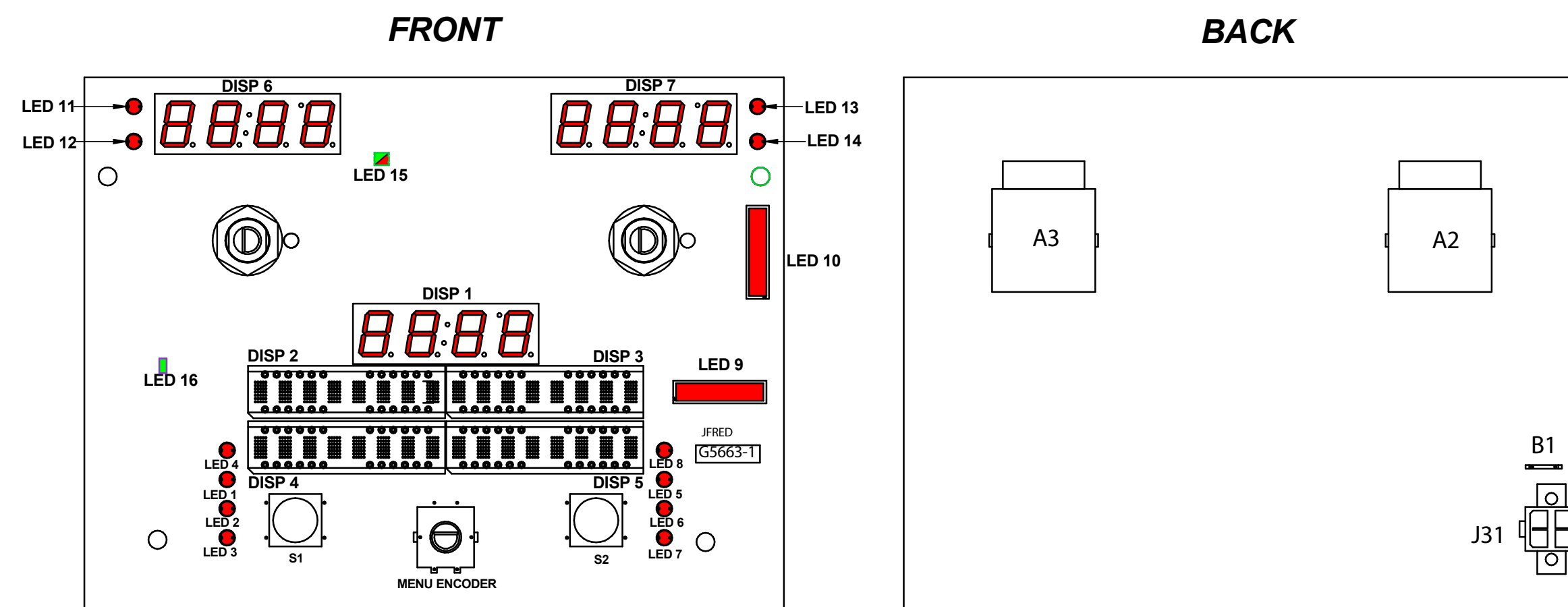
G6571-1 115 VAC INVERTER P.C. BOARD		
LED #	COLOR	FUNCTION
1	RED	ERROR CODE (LED WILL FLASH ERROR) SEE TABLE BELOW FOR DETAILS
2	GREEN	RECEPTACLE OUTPUT IS ON (115 VAC)
3	GREEN	INPUT POWER PRESENT. POWER SUPPLY ON

ERROR CODE	
ERROR	EXPLANATION
1	GROUND FAULT
2	THERMAL FAULT
3	15V CONTROL UNDERVOLTAGE
4	200V BUS UNDERVOLTAGE
5	OUTPUT OVER CURRENT
6	OUTPUT OVER VOLTAGE

DC BUS BOARD



F.R.E.D. P.C. BOARD (OPTIONAL)



Description of LED functions on Power Wave S350

For reference only

G5663 J F.R.E.D P.C. BOARD								
LED #	COLOR	FUNCTION	LED #	COLOR	FUNCTION	LED #	COLOR	FUNCTION
1	RED	MEMORY SELECT	7	RED	POST-WELD CONTROL SELECT	13	RED	VOLTS SELECT
2	RED	WAVE CONTROL SELECT	8	RED	N/A	14	RED	TRIM SELECT
3	RED		9	RED	SETUP MENU ENABLED	15	GREEN	STATUS "OK"
4	RED	N/A	10	RED	THERMAL FAULT MEASURED		RED	STATUS "ERROR" (CHECK CODE FOR SPECIFIC ERROR)
5	RED	2 STEP - 4 STEP SELECT	11	RED	WIRE FEED SPEED SELECT	16	GREEN	POWER SUPPLY FUNCTION "OK"
6	RED	PRE-WELD CONTROL SELECT	12	RED	AMPS SELECT			