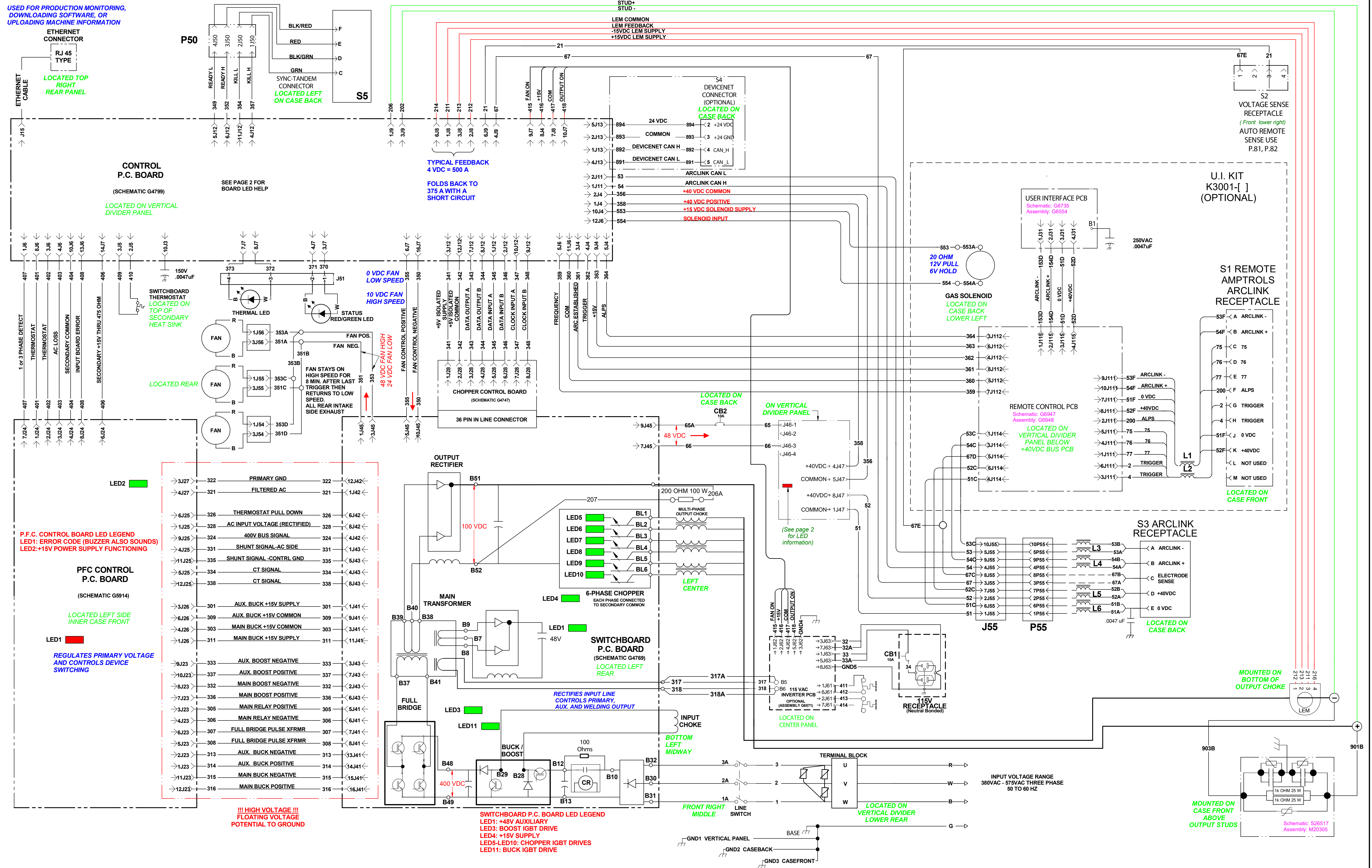
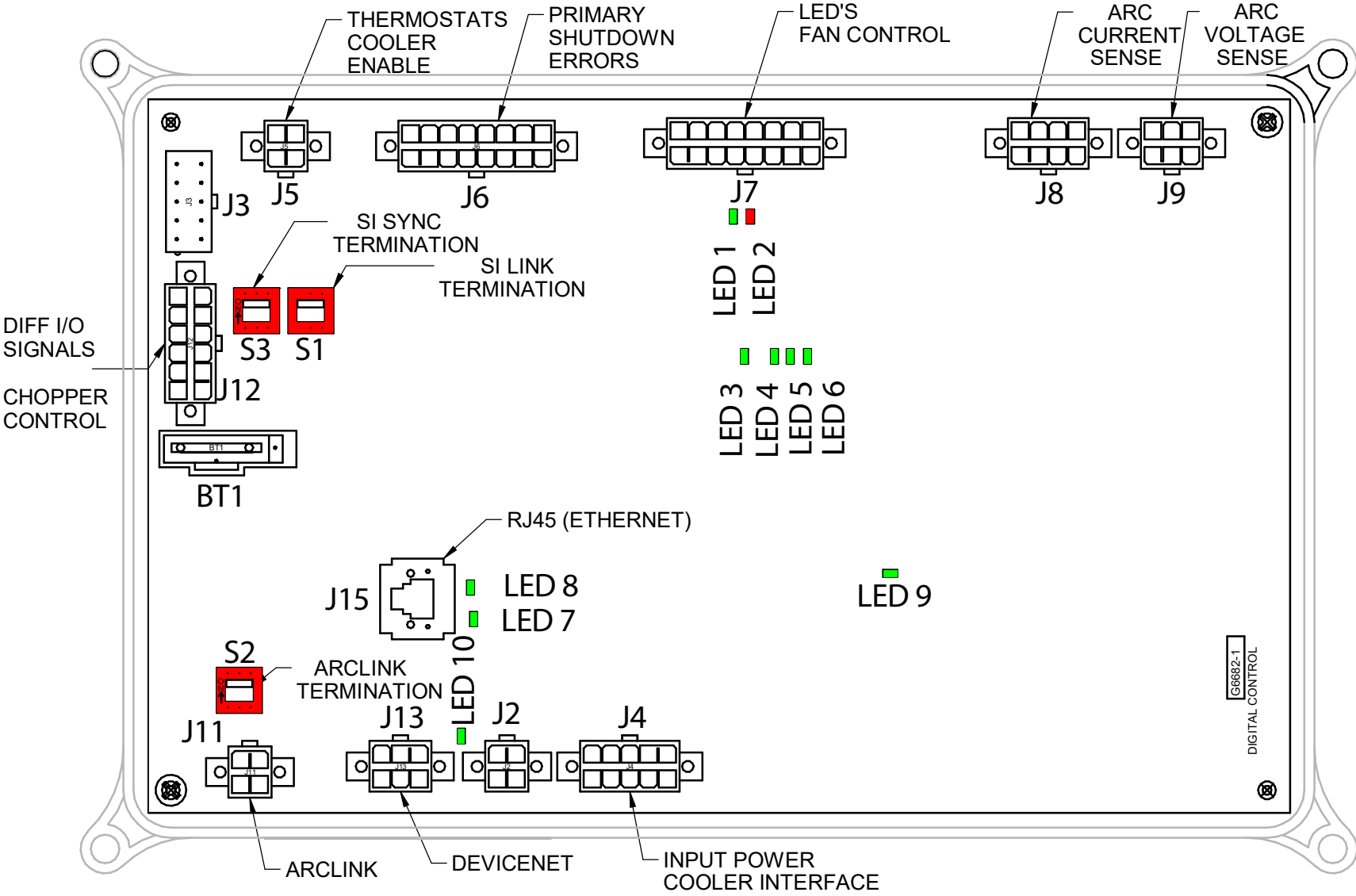


POWER WAVE S350 MACHINE SCHEMATIC G6535-4 REV: A



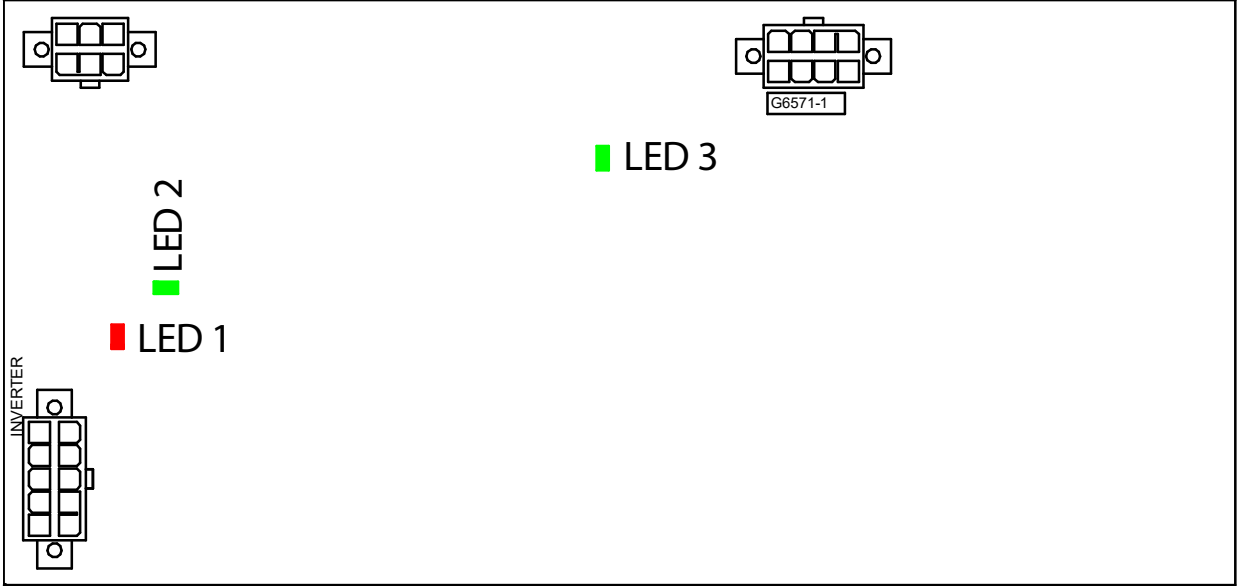
CONTROL
P.C. BOARD



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

115VAC INVERTER
P.C. BOARD
(OPTIONAL)

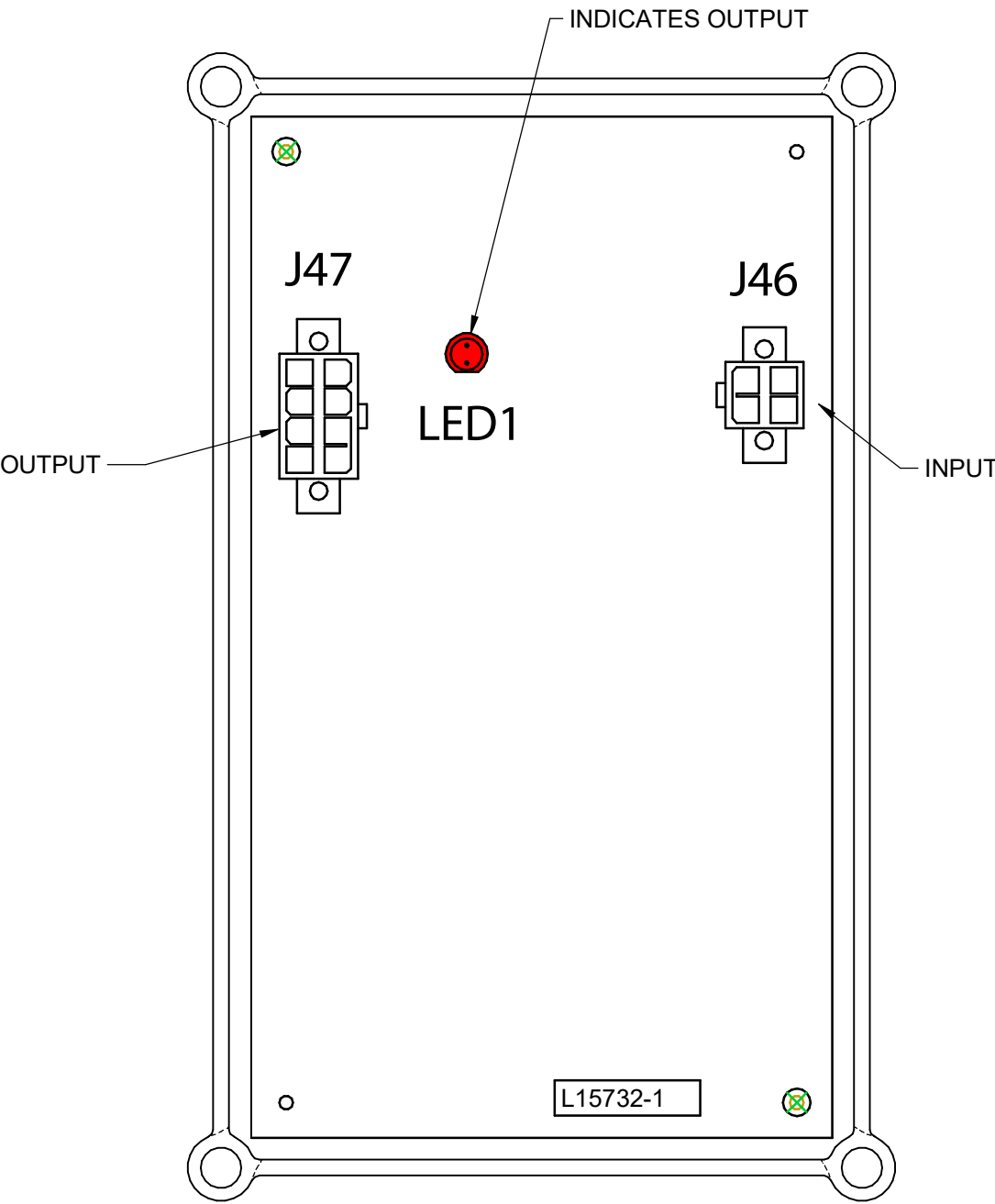


Description of LED functions on Power Wave S350
For reference only

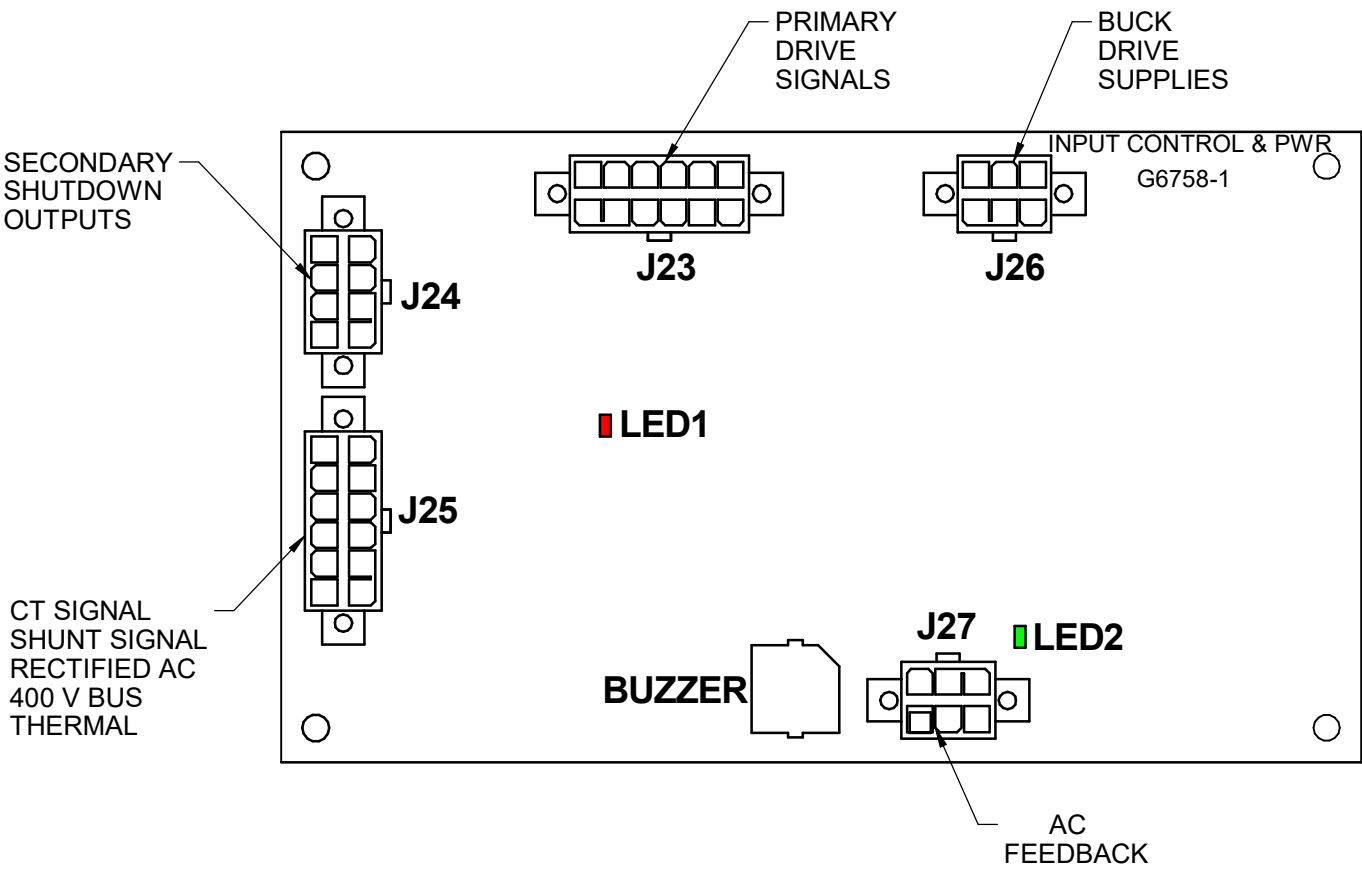
G6571-1 115 VAC INVERTER P.C. BOARD		
LED #	COLOR	FUNCTION
1	RED	ERROR CODE (LED WILL FLASH ERROR) SEE TABLE BELOW FOR DETAILS
2	GREEN	RECEPTACLE OUTPUT IS ON (115 VAC)
3	GREEN	INPUT POWER PRESENT. POWER SUPPLY ON

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

+40 VDC BUS
P.C. BOARD



PFC CONTROL
P.C. BOARD



Description of LED functions on Power Wave S350
For reference only

G6758-1 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

REMOTE CONTROL
P.C. BOARD
(OPTIONAL)

Description of LED functions on Power Wave S350
For reference only

G-NEW PFC CONTROL P.C. BOARD		
LED #	COLOR	FUNCTION

FREQUENCIES	
F	EXPLANATION

CAN U.I.
(W/O MEMORIES)
P.C. BOARD

Description of LED functions on Power Wave S350
For reference only

G6736 CAN U.I. (W/O MEMORIES) P.C. BOARD		
LED #	COLOR	FUNCTION
1	RED	
2	GREEN	
3	GREEN	

ERROR CODE	
ERROR	EXPLANATION
1	
2	
3	
4	
5	
6	

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

