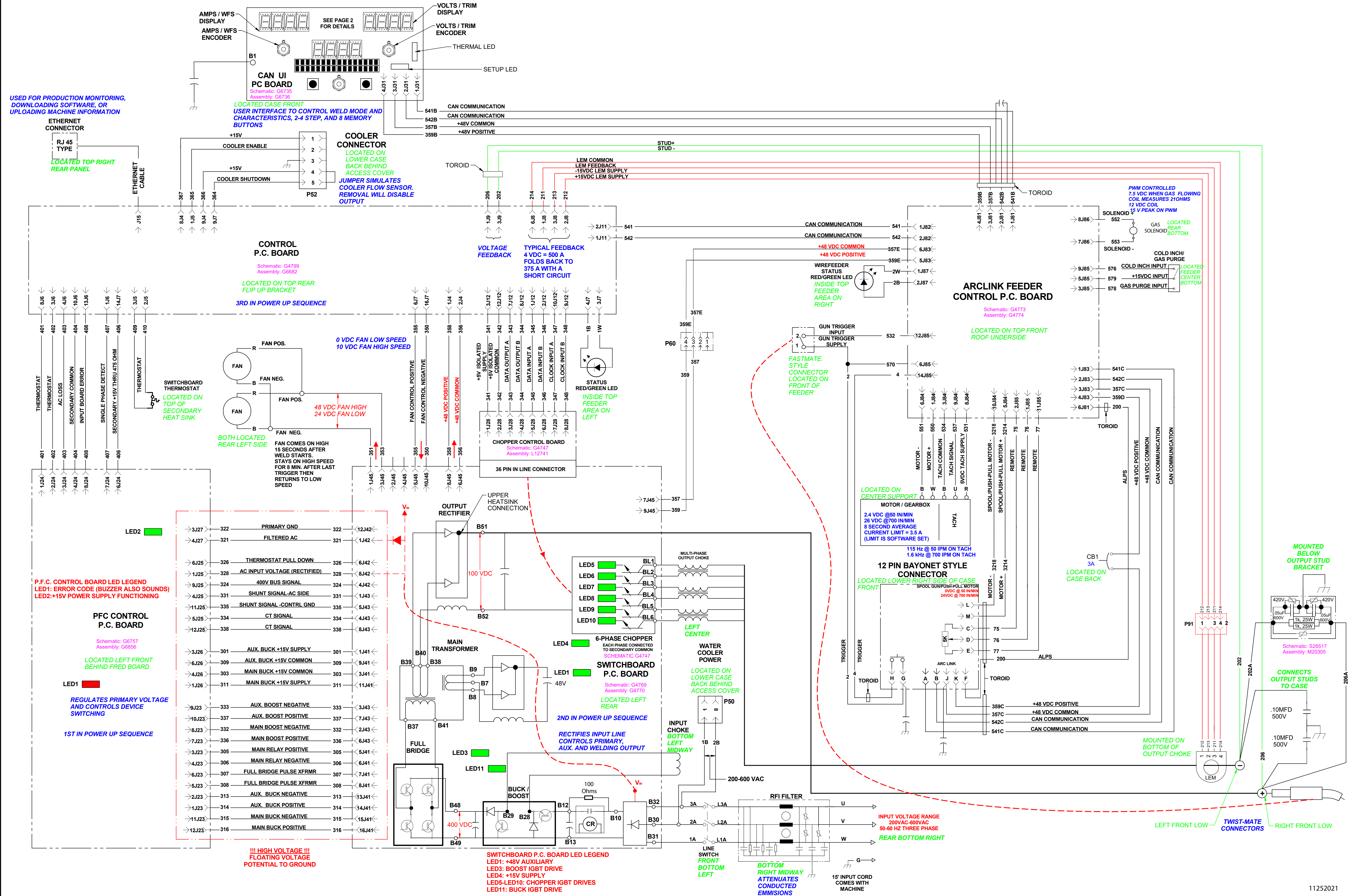
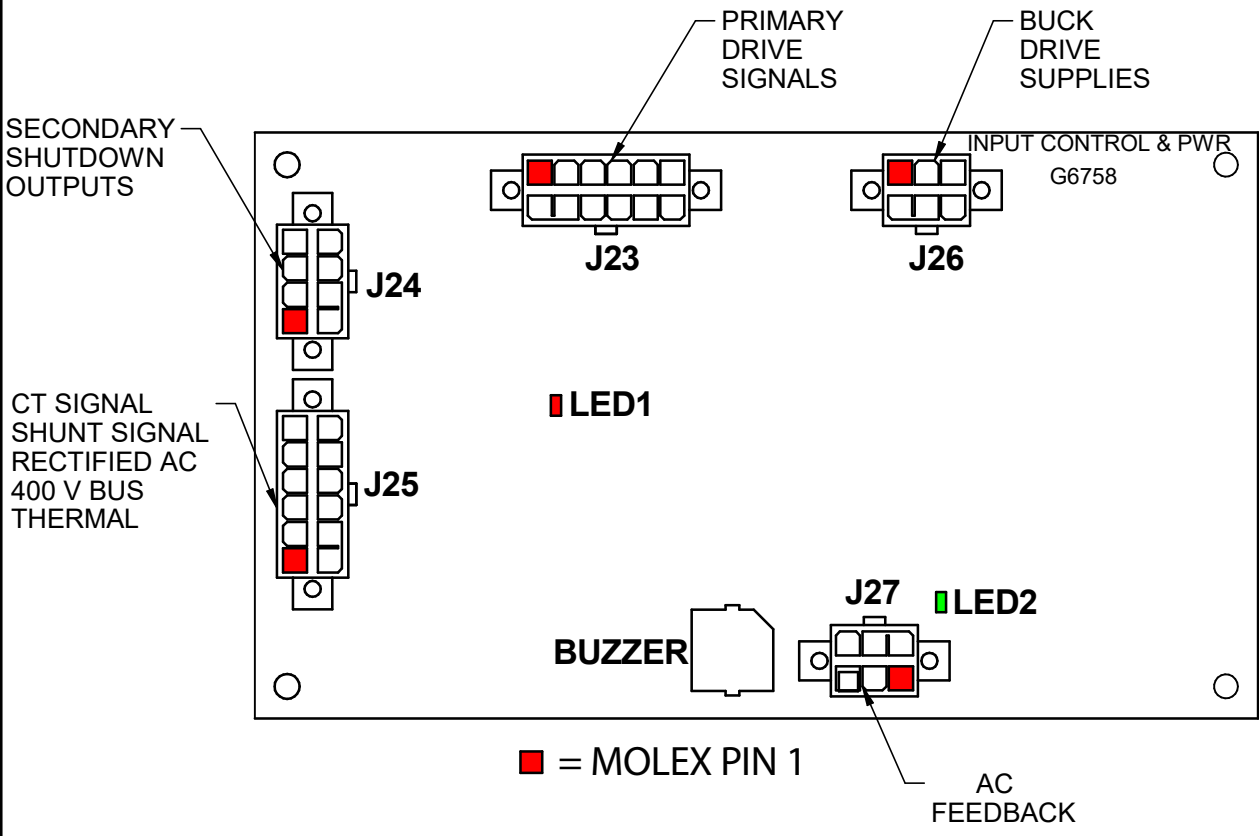


POWER WAVE C300 MACHINE SCHEMATIC G6128-3 REV: B



PFC CONTROL
P.C. BOARD

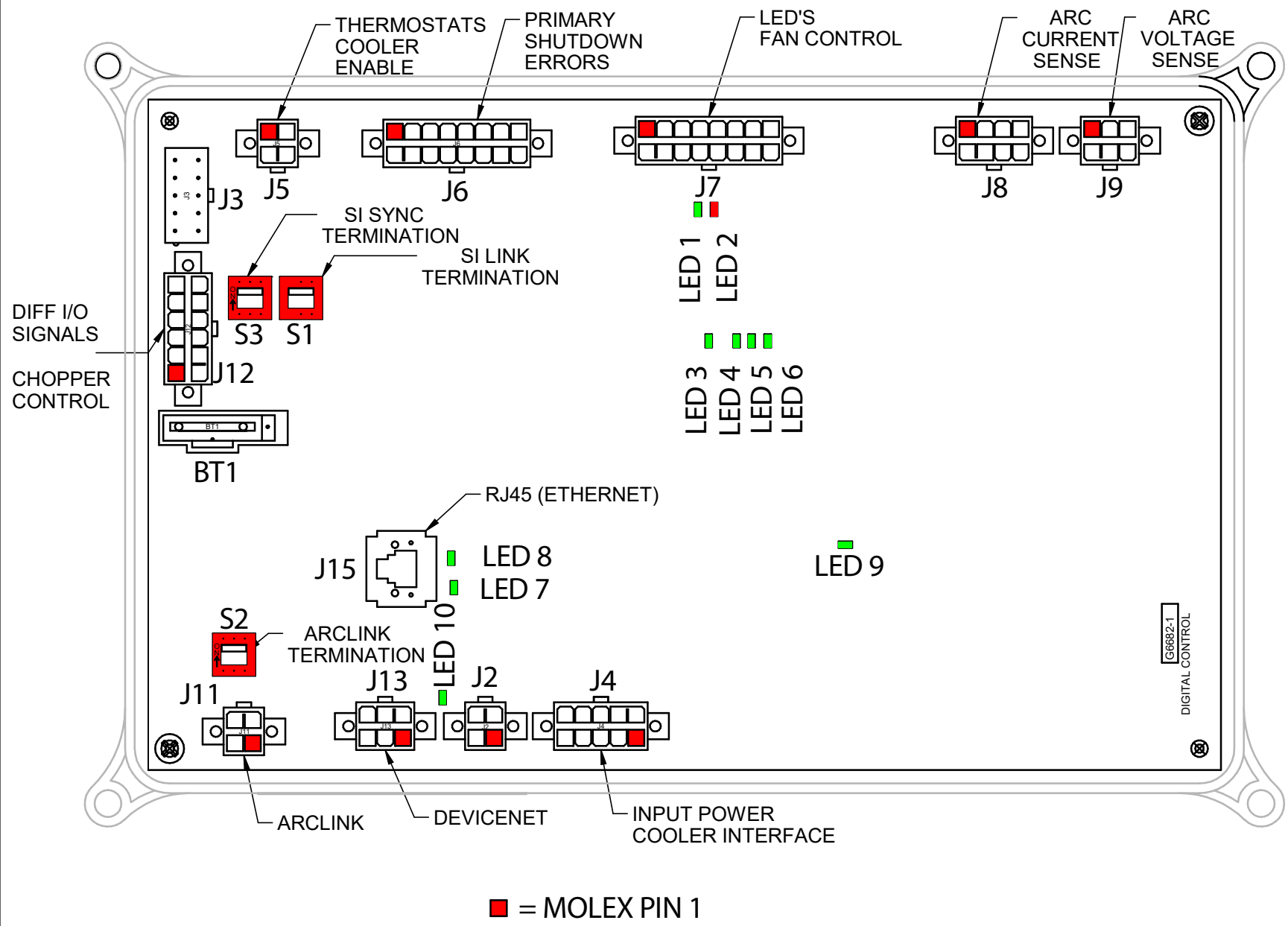


Description of LED functions on Power Wave C300CE
For reference only

G6856 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

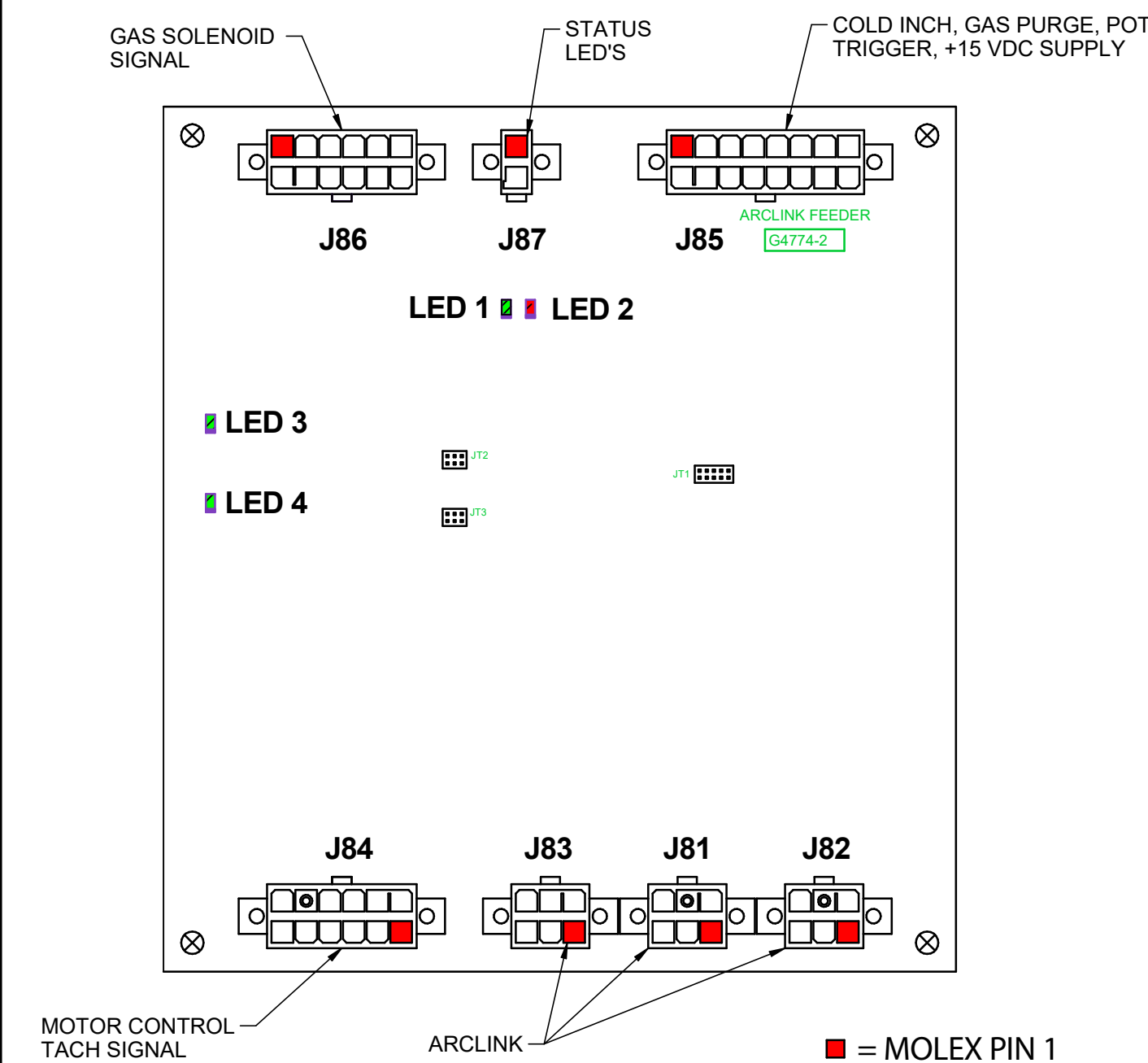
CONTROL
P.C. BOARD



Description of LED functions
on Power Wave C300CE 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

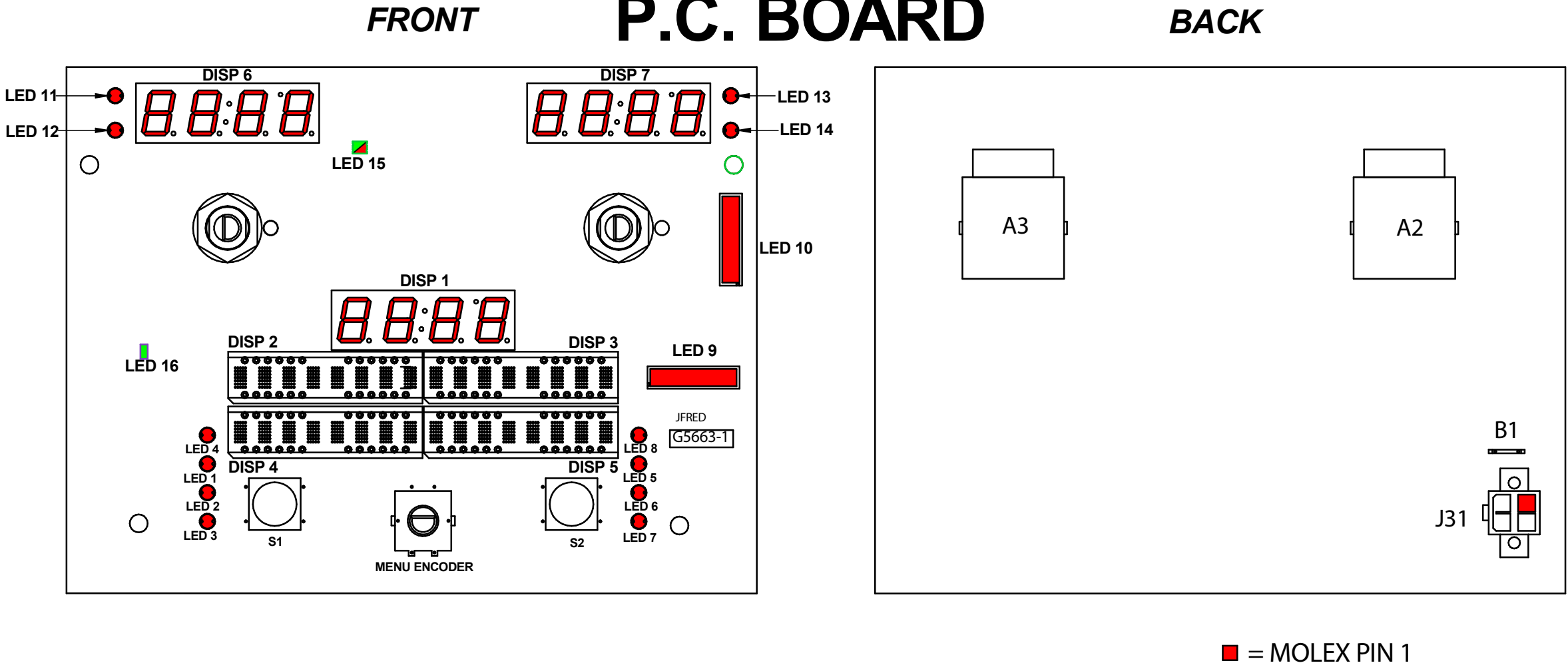
ARCLINK FEEDER
P.C. BOARD



Description of LED functions on Power Wave C300CE
For reference only

G4774 ARCLINK FEEDER 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

CAN UI
P.C. BOARD



Description of LED functions on Power Wave C300CE
For reference only

G6736 CAN UI 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	N/A	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			

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

3 STAGE INVERTER
SWITCHBOARD
P.C. BOARD

Description of LED functions on Power Wave C300CE
For reference only

G6037 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

