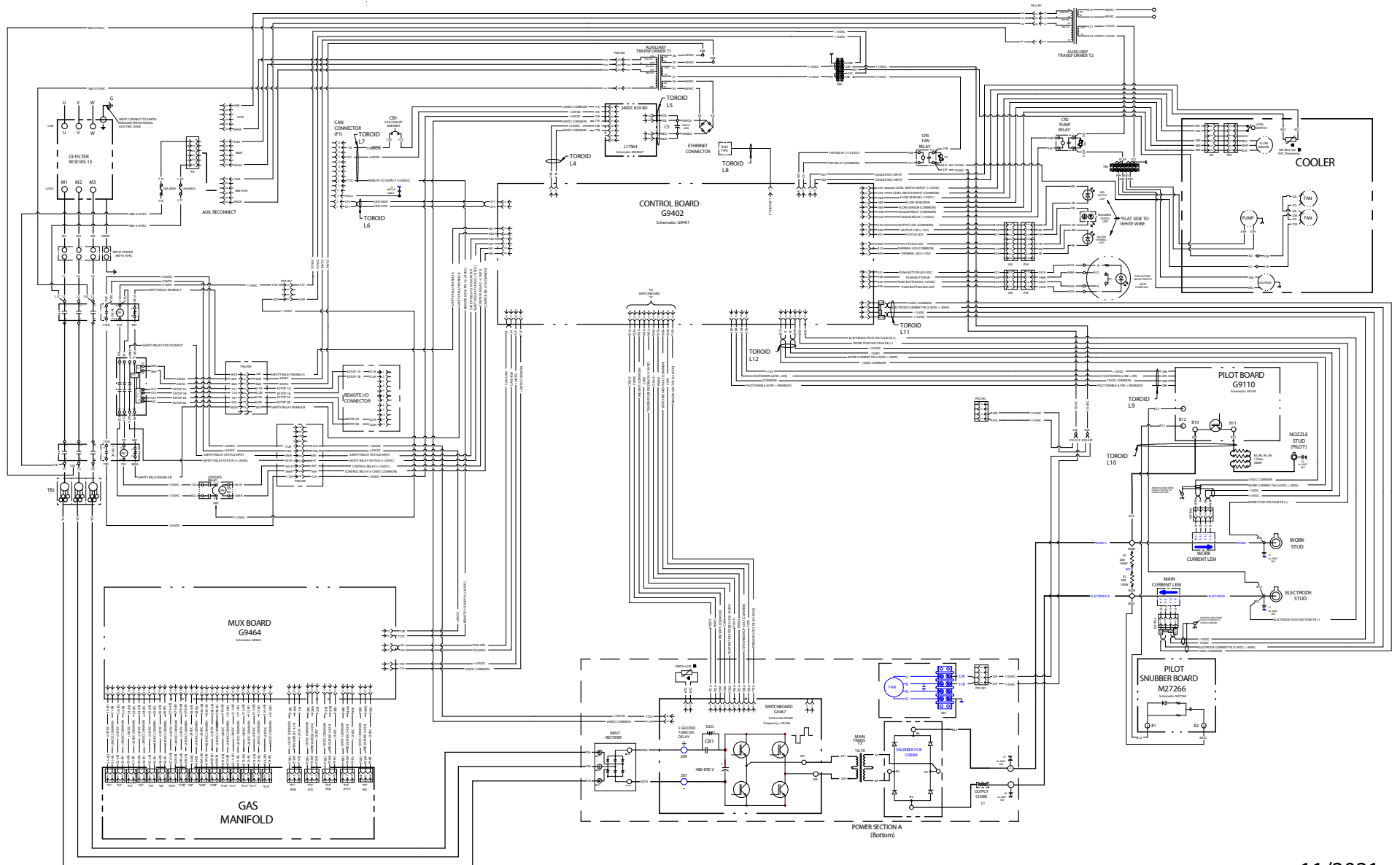
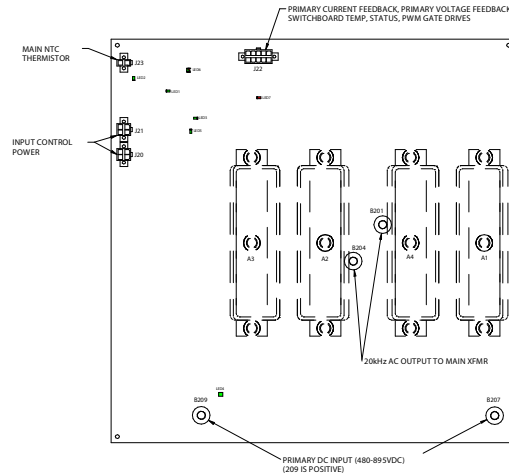


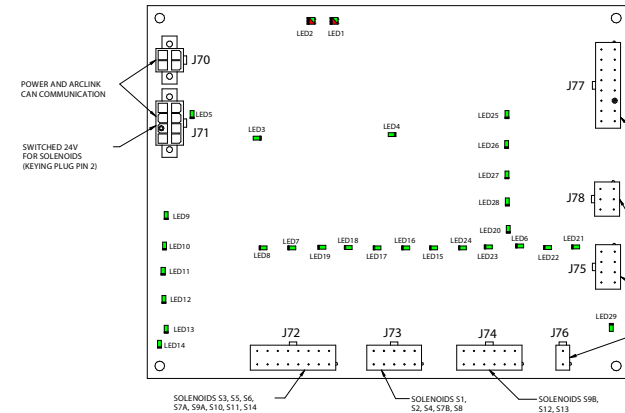
FINELINE170HD MACHINE SCHEMATIC G10177-2 REV: A





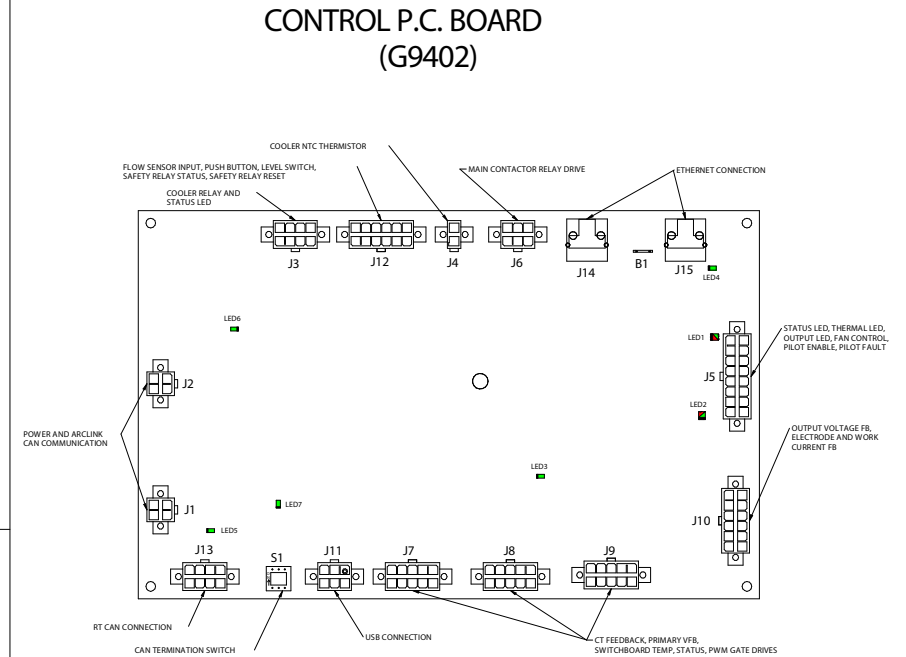
SWITCH P.C. BOARD (G9467)

G9467 SWITCHBOARD		
LED #	COLOR	FUNCTION
1	GREEN	48V DC POWER SUPPLY "OK"
2	GREEN	48V ISOLATED THERMOSTAT POWER SUPPLY "OK"
3	GREEN	MICRO STATUS "OK"
4	GREEN	INPUT CAP VOLTAGE BLEEDER
5	GREEN	HIGH VOLTAGE PRESENT WHEN LIT
6	GREEN	PRIMARY CAP STATUS LED "OK"
7	RED	OVER/UNDER VOLTAGE WHEN OFF
8	GREEN	INVERTER STATUS "OK"
9	RED	INVERTER STATUS FAULT
10	RED	INTERMINATED CT FAULT LED



GAS MUX P.C. BOARD (G9464)

G9464 GAS MUX PC BOARD		
LED #	COLOR	FUNCTION
1	GREEN/RED	DSP STATUS LED
2	GREEN/RED	SYSTEM STATUS LED
3	GREEN	48V CAN POWER SUPPLY "OK"
4	GREEN	48V ISO POWER SUPPLY "OK"
5	GREEN	12V POWER SUPPLY "OK"
6	GREEN	SOLENOID 12 "ON"
7	GREEN	SOLENOID 1 "ON"
8	GREEN	SOLENOID 2 "ON"
9	GREEN	SOLENOID 3 "ON"
10	GREEN	SOLENOID 4 "ON"
11	GREEN	SOLENOID 5 "ON"
12	GREEN	SOLENOID 6 "ON"
13	GREEN	SOLENOID 7 "ON"
14	GREEN	SOLENOID 8 "ON"
15	GREEN	SOLENOID 9 "ON"
16	GREEN	SOLENOID 10 "ON"
17	GREEN	SOLENOID 11 "ON"
18	GREEN	SOLENOID 12 "ON"
19	GREEN	SOLENOID 13 "ON"
20	GREEN	SOLENOID 14 "ON"
21	GREEN	SOLENOID 15 "ON"
22	GREEN	SOLENOID 16 "ON"
23	GREEN	SOLENOID 18 "ON"
24	GREEN	SOLENOID 19 "ON"
25	GREEN	SOLENOID 20 "ON"
26	GREEN	SOLENOID 21 "ON"
27	GREEN	SOLENOID 22 "ON"
28	GREEN	SOLENOID 23 "ON"
29	GREEN	SOLENOID 24 "ON"



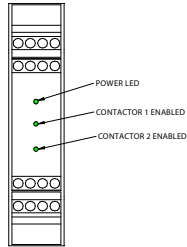
CONTROL P.C. BOARD (G9402)

G9402 CONTROL BOARD		
LED #	COLOR	FUNCTION
1	GREEN/RED	SYSTEM STATUS LED
2	GREEN/RED	DSP STATUS LED
3	GREEN	48V STATUS LED
4	GREEN	15V POWER SUPPLY "OK"
5	GREEN	9V RT POWER SUPPLY "OK"
6	GREEN	12V POWER SUPPLY "OK"
7	GREEN	5V CAN POWER SUPPLY "OK"

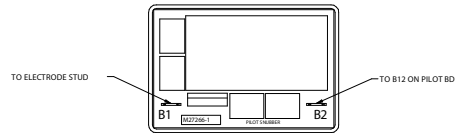
USING THE FINELINE CONTROLBOARD STATUS LED

LIGHT CONDITION	MEANING
Steady Green	System OK
Blinking Green	Occurs during startup or reset, and indicates that the switchboard is waiting for communication from the control board. Normal at the first 1-10 seconds after power is turned on.
Alternating Green and Red	A system fault has occurred. If the switchboard status LED is flashing any combination of red and green, errors are present. Individual code digits are flashed in red with a long pause between digits. If more than one code is present, the codes will be separated by a green light. See Page 4 for an Error Code Troubleshooting Guide.

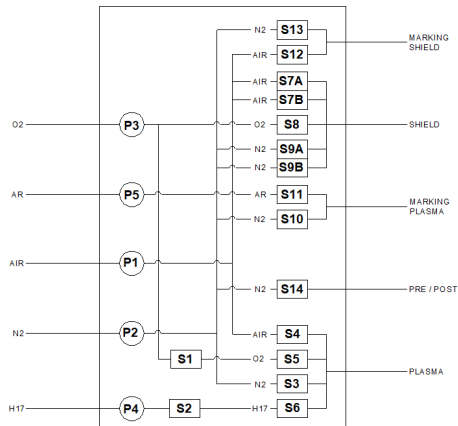
Safety Relay (M27083)



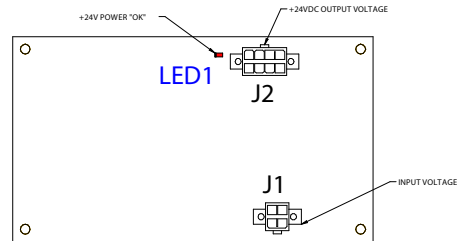
PILOT SNUBBER P.C. BOARD (M27266)



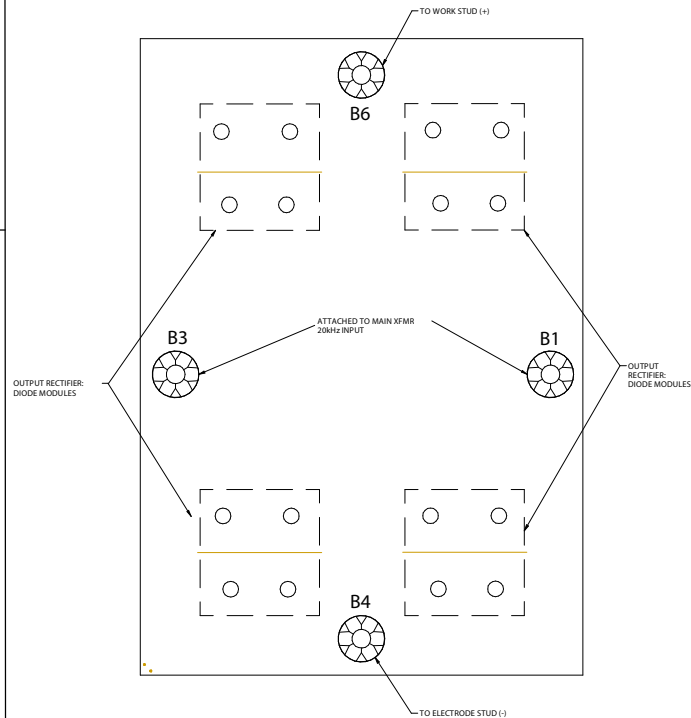
GAS MANIFOLD (G9818)



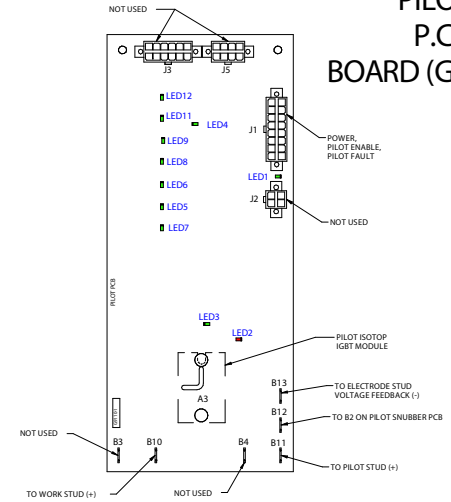
24V BUS P.C. BOARD (L17564)



SNUBBER P.C. BOARD (G9888)



PILOT P.C. BOARD (G9110)



G9110 PILOT BOARD				
LED #	COLOR	FUNCTION	Comments	
1	GREEN	+5V POWER "OK"		
2	RED	ILLUMINATES WHEN PILOT/IGBT IS CLOSED (PILOT ON)		
3	GREEN	+5V PILOT SUPPLY "OK"		
4	OFF	PILOT IS LIKELY SHORTED		
5	GREEN	ILLUMINATES WHEN ARC ESTABLISHED IS ENABLED		NOT USED ON FINELINE
6	GREEN	ILLUMINATES WHEN TRIGGER IS ENABLED		NOT USED ON FINELINE
7	GREEN	ILLUMINATES WHEN PROCEDURE SELECT SWITCH IS E NGAGED		NOT USED ON FINELINE
8	GREEN	ILLUMINATES WHEN PARTS IN PLACE IS CLOSED		NOT USED ON FINELINE
9	GREEN	ILLUMINATES WHEN HOLD SIGNAL IS ENABLED		NOT USED ON FINELINE
10	GREEN	ILLUMINATES WHEN CORNER CURRENT REDUCTION SIG NAL IS ENABLED		NOT USED ON FINELINE
11	GREEN	ILLUMINATES WHEN MSC1 SIGNAL IS ENABLED		NOT USED ON FINELINE
12	GREEN	ILLUMINATES WHEN MSC2 SIGNAL IS ENABLED		NOT USED ON FINELINE