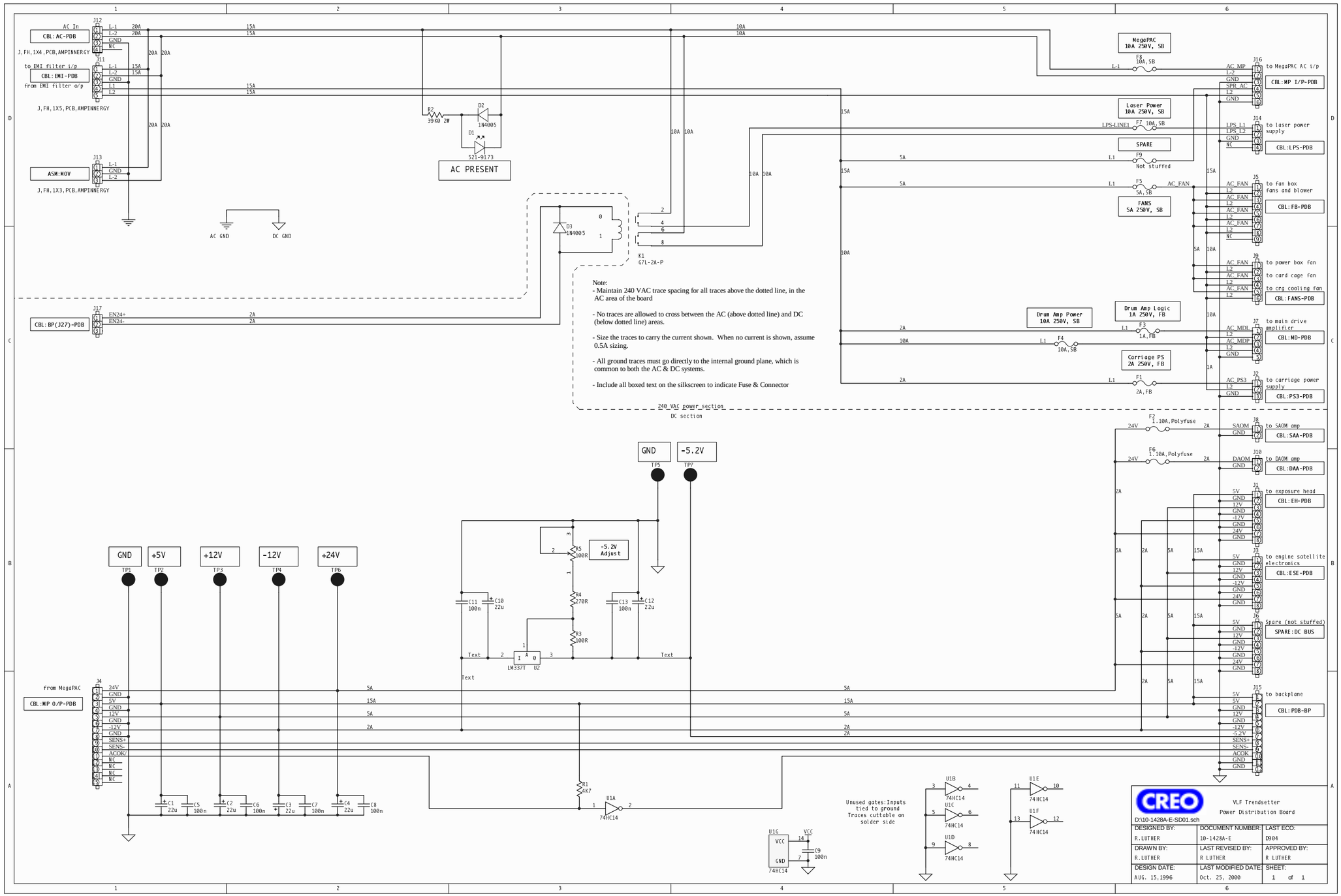

AC In
CBL:AC-PDB
J,FH,1X4,PCB,AMPINNERGY
J12
L-1
L-2
GND
NC
20A
to EMI filter i/p
CBL:EMI-PDB
from EMI filter o/p
J,FH,1X5,PCB,AMPINNERGY
J11
15A
ASM:MOV
J,FH,1X3,PCB,AMPINNERGY
J13
R2
39K0 2W
D2
1N4005
D1
521-9173
AC PRESENT
AC GND
DC GND
D3
1N4005
K1
G7L-2A-P
MegaPAC
10A 250V, SB
F8
10A,SB
J16
AC_MP
to MegaPAC AC i/p
CBL:MP I/P-PDB
Laser Power
10A 250V, SB
F7
10A,SB
LPS-LINE1
SPR_AC
LPS_L1
LPS_L2
J14
to laser power supply
CBL:LPS-PDB
SPARE
F9
Not stuffed
FANS
5A 250V, SB
F5
5A,SB
AC_FAN
J5
to fan box fans and blower
CBL:FB-PDB
Drum Amp Power
10A 250V, SB
F4
10A,SB
Drum Amp Logic
1A 250V, FB
F3
1A,FB
J7
AC_MDL
AC_MDP
to main drive amplifier
CBL:MD-PDB
Carriage PS
2A 250V, FB
F1
2A,FB
AC_PS3
J2
to carriage power supply
CBL:PS3-PDB
J9
to power box fan
to card cage fan
to crg cooling fan
CBL:FANS-PDB
Note:
- Maintain 240 VAC trace spacing for all traces above the dotted line, in the AC area of the board
- No traces are allowed to cross between the AC (above dotted line) and DC (below dotted line) areas.
- Size the traces to carry the current shown. When no current is shown, assume 0.5A sizing.
- All ground traces must go directly to the internal ground plane, which is common to both the AC & DC systems.
- Include all boxed text on the silkscreen to indicate Fuse & Connector
240_VAC power_section
DC section
CBL:BP(J27)-PDB
J17
EN24+
EN24-
2A
F2
1.10A,Polyfuse
F6
1.10A,Polyfuse
24V
SAOM
DAOM
J8
to SAOM amp
CBL:SAA-PDB
J10
to DAOM amp
CBL:DAA-PDB
J1
5V
12V
-12V
24V
to exposure head
CBL:EH-PDB
J3
to engine satellite electronics
CBL:ESE-PDB
J6
Spare (not stuffed)
SPARE:DC BUS
J15
to backplane
CBL:PDB-BP
GND
-5.2V
TP5
TP7
+5V
+12V
-12V
+24V
TP1
TP2
TP3
TP4
TP6
R5
100R
-5.2V Adjust
R4
270R
R3
100R
C11
100n
C10
22u
C13
100n
C12
22u
Text
LM337T U2
from MegaPAC
CBL:MP O/P-PDB
J4
24V
5V
SENS+
SENS-
ACOK
NC
C1
22u
C5
100n
C2
22u
C6
100n
C3
22u
C7
100n
C4
22u
C8
100n
R1
4K7
U1A
74HC14
Unused gates:Inputs tied to ground Traces cuttable on solder side
U1B
U1C
U1D
U1E
U1F
U1G
VCC
C9
100n
CREO
VLF Trendsetter
Power Distribution Board
D:\10-1428A-E-SD01.sch
DESIGNED BY: R.LUTHER
DOCUMENT NUMBER: 10-1428A-E
LAST ECO: D904
DRAWN BY: R.LUTHER
LAST REVISED BY: R LUTHER
APPROVED BY: R LUTHER
DESIGN DATE: AUG. 15,1996
LAST MODIFIED DATE: Oct. 25, 2000
SHEET: 1 of 1