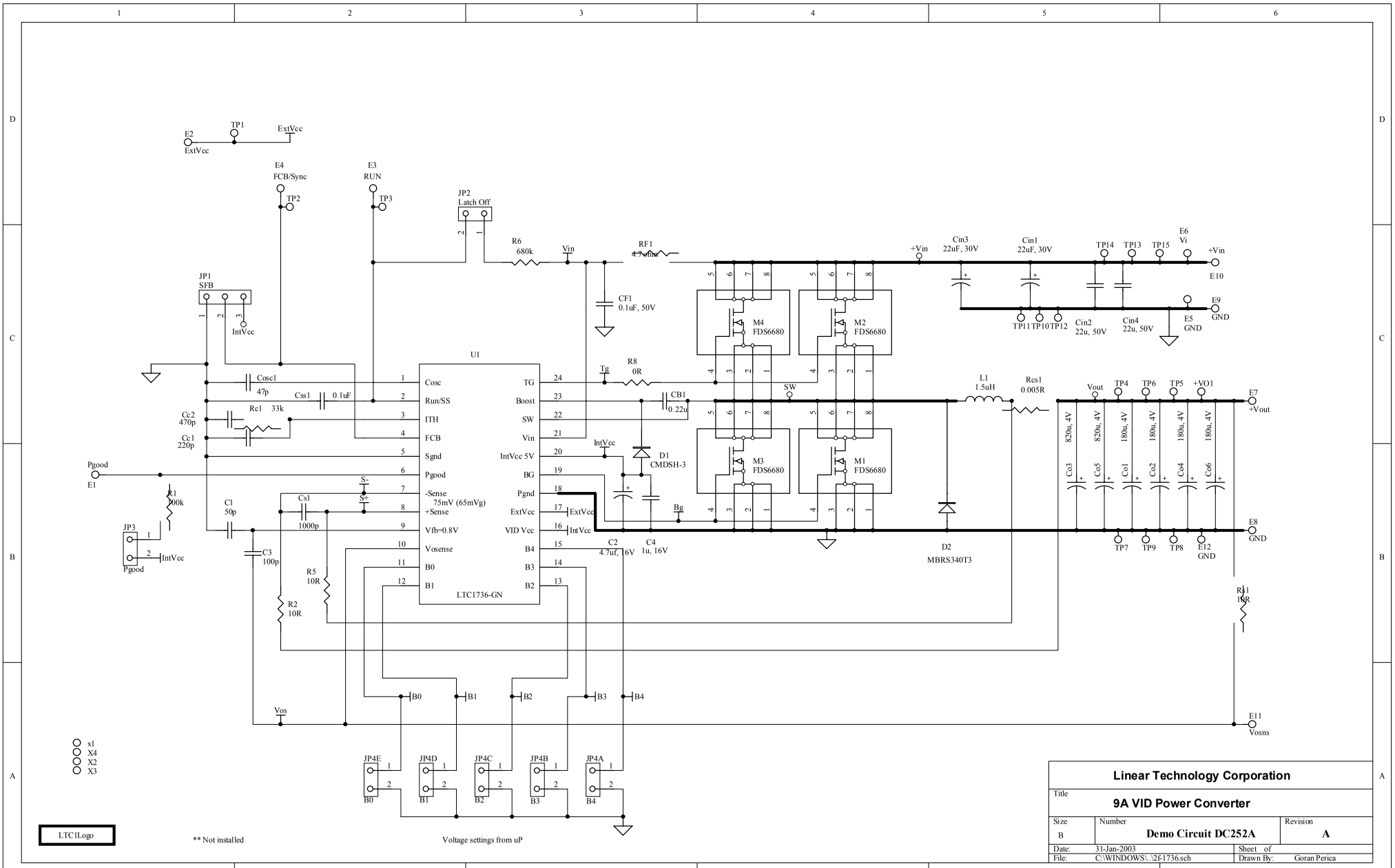
E2
ExtVcc
TP1
ExtVcc
E4
FCB/Sync
TP2
E3
RUN
TP3
JP2
Latch Off
R6
680k
Vin
RF1
4.7ohm
CF1
0.1uF, 50V
JP1
SFB
IntVcc
U1
Cosc
Run/SS
ITH
FCB
Sgnd
Pgood
-Sense
+Sense
Vfb=0.8V
Vosense
B0
B1
TG
Boost
SW
Vin
IntVcc 5V
BG
Pgnd
ExtVcc
VID Vcc
B4
B3
B2
75mV (65mVg)
LTC1736-GN
Cosc1
47p
Rc1
33k
Cc2
470p
Cc1
220p
Pgood
E1
R1
100k
JP3
Pgood
IntVcc
C1
50p
C3
100p
Cs1
1000p
Css1
0.1uF
R5
10R
R2
10R
Tg
R8
0R
CB1
0.22u
D1
CMDSH-3
Bg
C2
4.7uF, 16V
C4
1u, 16V
M4
FDS6680
M2
FDS6680
M3
FDS6680
M1
FDS6680
+Vin
Cin3
22uF, 30V
Cin1
22uF, 30V
TP14
TP13
TP15
E6
Vi
E10
E9
GND
E5
GND
TP11
TP10
TP12
Cin2
22u, 50V
Cin4
22u, 50V
L1
1.5uH
Rcs1
0.005R
Vout
TP4
TP6
TP5
+VO1
E7
+Vout
Co3
Co5
Co1
Co2
Co4
Co6
820u, 4V
180u, 4V
TP7
TP9
TP8
E12
GND
E8
GND
D2
MBRS340T3
Rs1
10R
E11
Vosns
Vos
JP4E
JP4D
JP4C
JP4B
JP4A
x1
X4
X2
X3
LTC1Logo
** Not installed
Voltage settings from uP
Linear Technology Corporation
Title
9A VID Power Converter
Size
B
Number
Demo Circuit DC252A
Revision
A
Date: 31-Jan-2003
Sheet of
File: C:\WINDOWS\..\2F1736.sch
Drawn By: Goran Perica