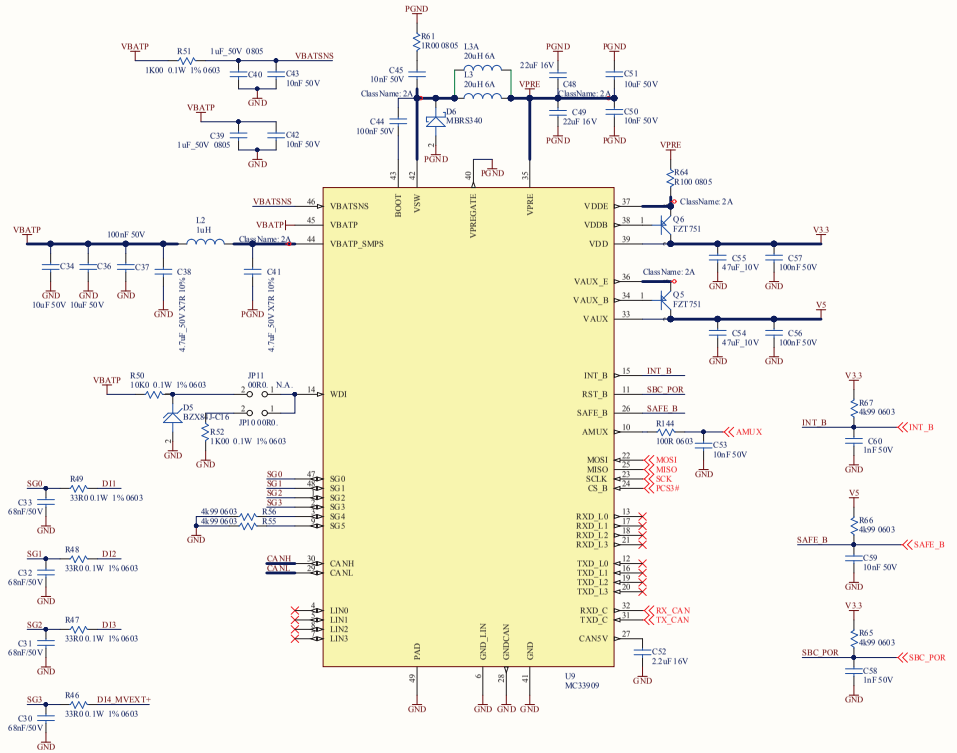
System Basis Chip

Pre Reg. DC/DC; LDO 3.3V; LDO 5V; Can Phy; Digital Input; Life Check.


U9
MC33909
VBATSNS
VBATP
VBATP_SMPS
BOOT
VSW
VPREGATE
VPRE
VDDE
VDDB
VDD
VAUX_E
VAUX_B
VAUX
INT_B
RST_B
SAFE_B
AMUX
MOSI
MISO
SCK
CS_B
RXD_L0
RXD_L1
RXD_L2
RXD_L3
TXD_L0
TXD_L1
TXD_L2
TXD_L3
RXD_C
TXD_C
CAN5V
WDI
SG0
SG1
SG2
SG3
SG4
SG5
CANH
CANL
LIN0
LIN1
LIN2
LIN3
PAD
GND_LIN
GNDCAN
GND
L3
20uH 6A
D6
MBRS340
Q6
FZT751
Q5
FZT751
D5
BZX84C16
JP10 00R0
JP11 00R0 N.A.
R61 1K00 0805
R64 R100 0805
R52 1K00 0.1W 1% 0603
R44 100R 0603
R67 4k99 0603
R66 4k99 0603
R65 4k99 0603
C60 1nF 50V
C59 10nF 50V
C58 1nF 50V
C52 2.2uF 16V
C53 10nF 50V
C54 47uF_10V
C55 47uF_10V
C56 100nF 50V
C57 100nF 50V
L2 1uH
R49 D11 33R0 0.1W 1% 0603
R48 D12 33R0 0.1W 1% 0603
R47 D13 33R0 0.1W 1% 0603
R46 D14_MVEXT+ 33R0 0.1W 1% 0603
R56 4k99 0603
R55 4k99 0603
R50 10K0 0.1W 1% 0603
R51 1K00 0.1W 1% 0603
R52 1K00 0.1W 1% 0603
C45 10nF 50V
C44 100nF 50V
C48 22uF 16V
C49 22uF 16V
C50 10nF 50V
C51 10uF 50V
C39 1uF_50V 0805
C40 C43 10nF 50V
C42 10nF 50V
C34 C36 C37 C38 C41
10uF 50V
4.7uF_50V X7R 10%
PGND
GND
VBATP
VBATSNS
VPRE
Class Name: 2A
Class Name: 2A
Class Name: 2A