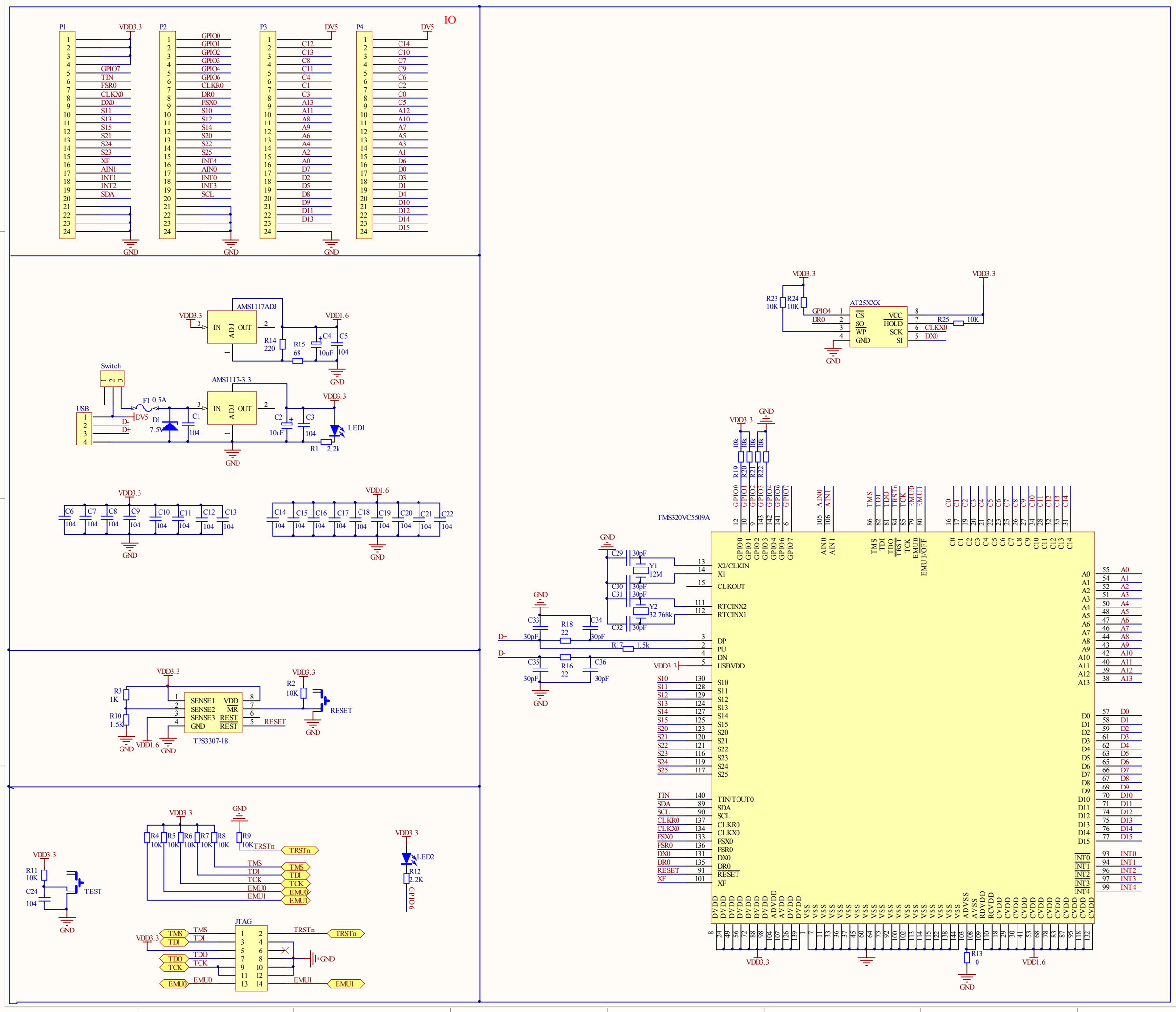
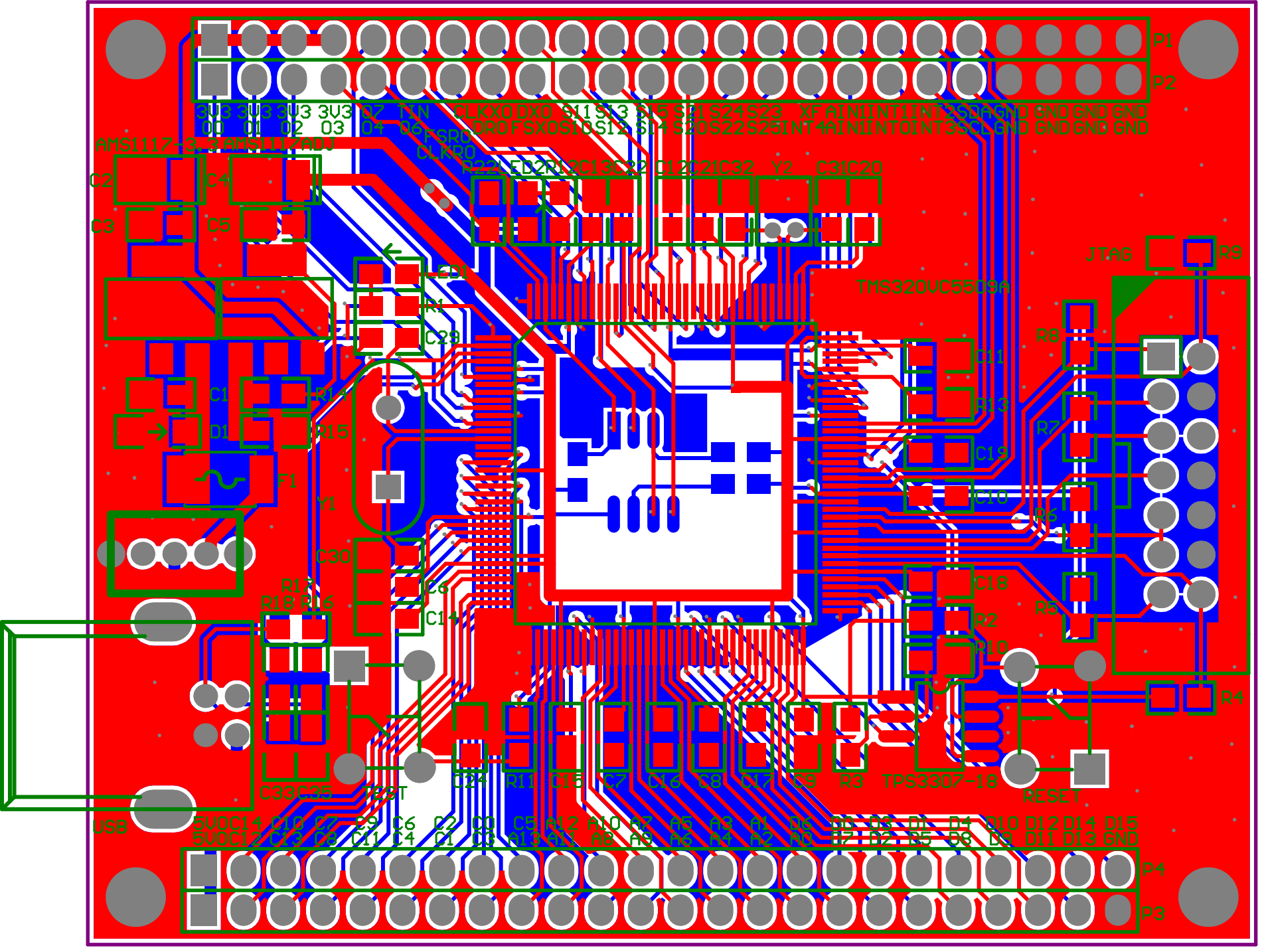

IO
P1
P2
P3
P4
VDD3.3
DV5
GND
GPIO7
TIN
FSR0
CLKX0
DX0
S11
S13
S15
S21
S24
S23
XF
AIN1
INT1
INT2
SDA
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO6
CLKR0
DR0
FSX0
S10
S12
S14
S20
S22
S25
INT4
AIN0
INT0
INT3
SCL
AMS1117ADJ
VDD1.6
R14 220
R15 68
C4 10uF
C5 104
Switch
USB
F1 0.5A
D1 7.5V
C1 104
AMS1117-3.3
C2 10uF
C3 104
LED1
R1 2.2k
C6 C7 C8 C9 C10 C11 C12 C13 104
C14 C15 C16 C17 C18 C19 C20 C21 C22 104
R3 1K
R10 1.5K
SENSE1
SENSE2
SENSE3
VDD
MR
REST
TPS3307-18
R2 10K
RESET
R11 10K
C24 104
TEST
R4 R5 R6 R7 R8 10K
R9 10K
TRSTn
TMS
TDI
TCK
EMU0
EMU1
LED2
R12 2.2K
GPIO6
JTAG
TDO
R23 10K
R24 10K
AT25XXX
CS
SO
WP
VCC
HOLD
SCK
SI
R25 10K
CLKX0
DX0
R19 R20 R21 R22 10k
TMS320VC5509A
C29 30pF
Y1 12M
C30 30pF
C31 30pF
Y2 32.768k
C32 30pF
C33 30pF
R18 22
C34 30pF
D+
D-
R17 1.5k
C35 30pF
R16 22
C36 30pF
X2/CLKIN
X1
CLKOUT
RTCINX2
RTCINX1
DP
PU
DN
USBVDD
TIN/TOUT0
R13 0


P1
P2
3V3 3V3 3V3 3V3 D2 TCK CLKX0 DX0 S11 S13 S15 S21 S24 S23 XF AIN1 INT1 INT2 SDA GND GND GND GND
D0 D1 D2 D3 D4 D6 DR0 FSX0 S10 S12 S14 S20 S22 S25 INT4 AIN1 INT0 INT3 SCL GND GND GND GND
AMS1117-3.3 AMS1117ADJ
C2
C4
C3
C5
CLKR0
R22 LED2 R12 C13 C22 C12 C21 C32 Y2 C31 C20
JTAG
R9
TMS320VC5509A
R8
C11
R13
R7
C19
C10
R6
C18
R5
R2
L0
R4
R1
C23
C1
R14
D1
R15
F1
Y1
C30
R17
R18 R16
C6
C14
C33 C35
123T
C24
R11
C15
C7
C16
C8
C17
C9
R3
TPS3307-18
RESET
USB
5V0 C14 C10 C7 R9 C6 C2 C0 C5 6V2 A10 A7 A5 A3 A1 D6 D0 D3 D1 D4 D10 D12 D14 D15
5V0 C12 C13 C8 C11 C4 C1 C3 A11 A14 A8 A9 A6 A4 A2 A0 D7 D2 D5 D8 D9 D11 D13 GND
P4
P3