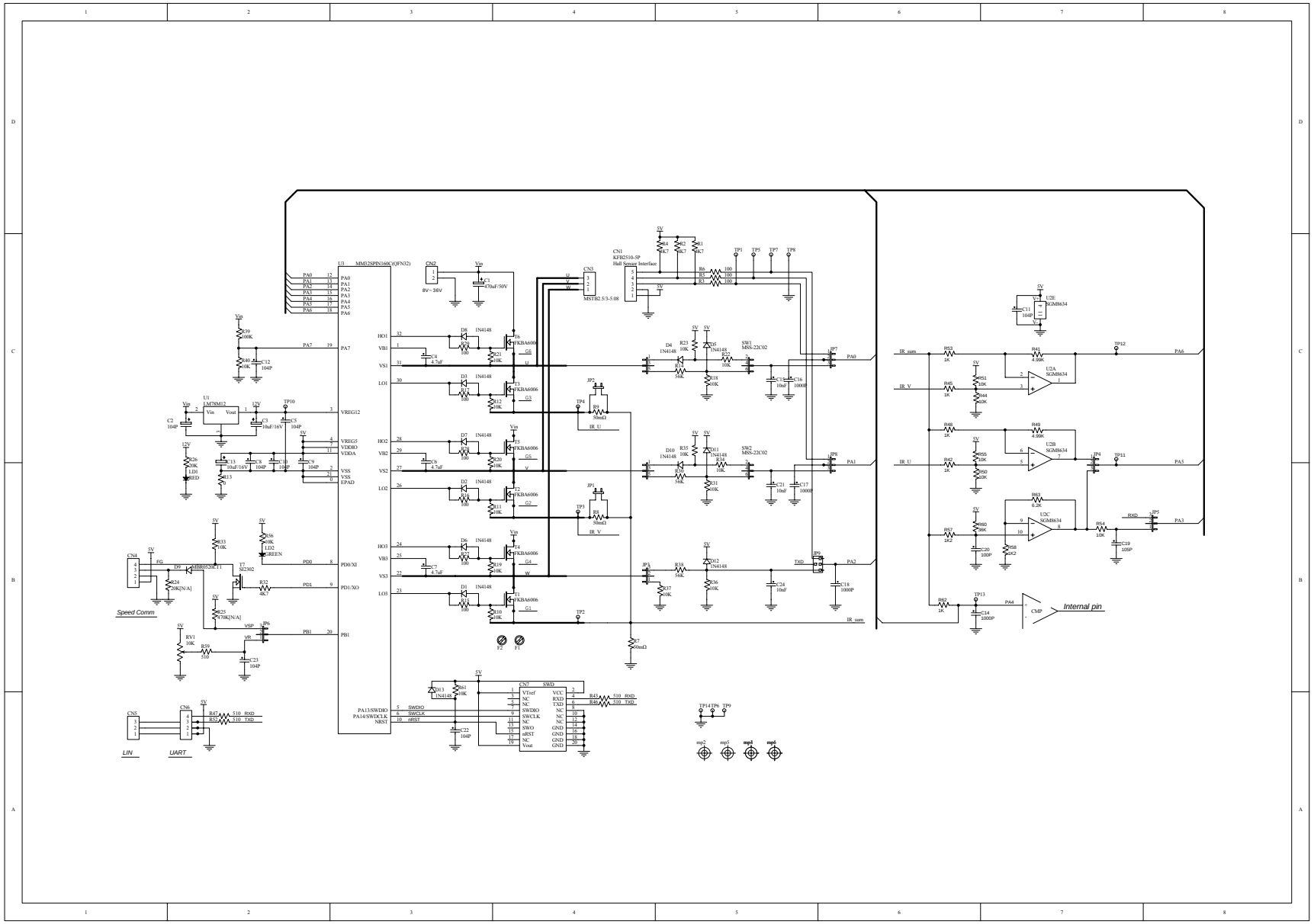
U3 MM32SPIN160C(QFN32)
PA0 PA1 PA2 PA3 PA4 PA5 PA6 PA7
VREG12 VREG5 VDDIO VDDA VSS VSS EPAD
PD0/XI PD1/XO PB1
HO1 VB1 VS1 LO1 HO2 VB2 VS2 LO2 HO3 VB3 VS3 LO3
PA13/SWDIO PA14/SWDCLK NRST
SWDIO SWCLK nRST
CN2 8V ~ 36V
CN3 MSTB2.5/3-5.08
CN1 KFB2510-5P Half Sensor Interface
U1 LM78M12
U2 LD1117S12
U2E SGM8634
U2A SGM8634
U2B SGM8634
U2C SGM8634
CMP
Internal pin
Speed Comm
LIN
UART
CN7 SWD
VTref NC NC SWDIO SWCLK NC SWO nRST NC Vout
VCC RXD TXD NC NC GND GND GND GND
IR_sum IR_V IR_U
PA0 PA1 PA2 PA3 PA4 PA5 PA6
RXD TXD
TP1 TP5 TP7 TP8 TP12 TP11 TP13 TP14 TP6 TP9
F2 F1
mp2 mp5 mp3 mp4