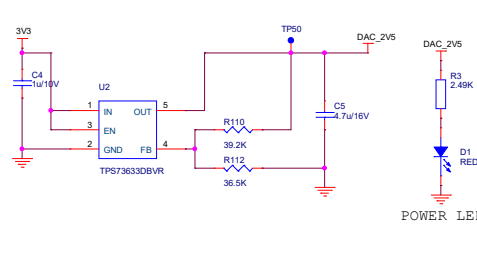
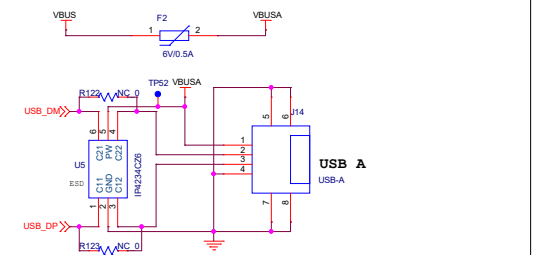


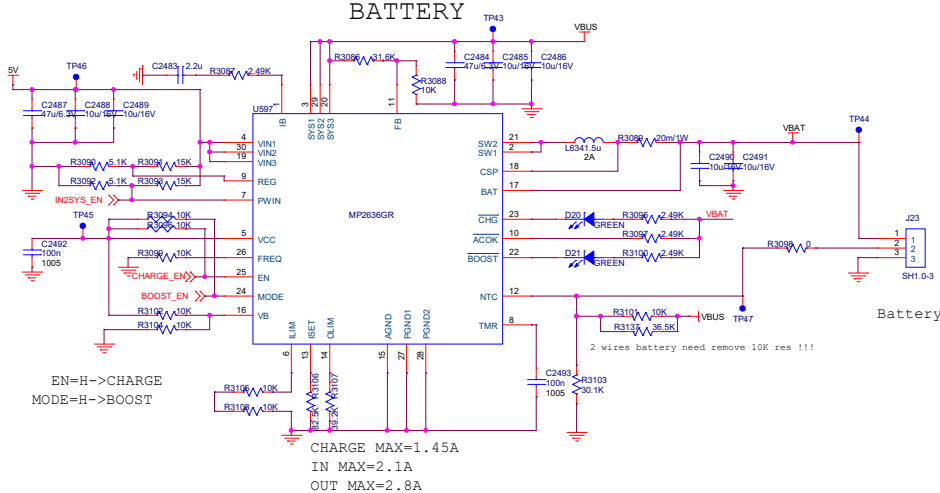
POWER



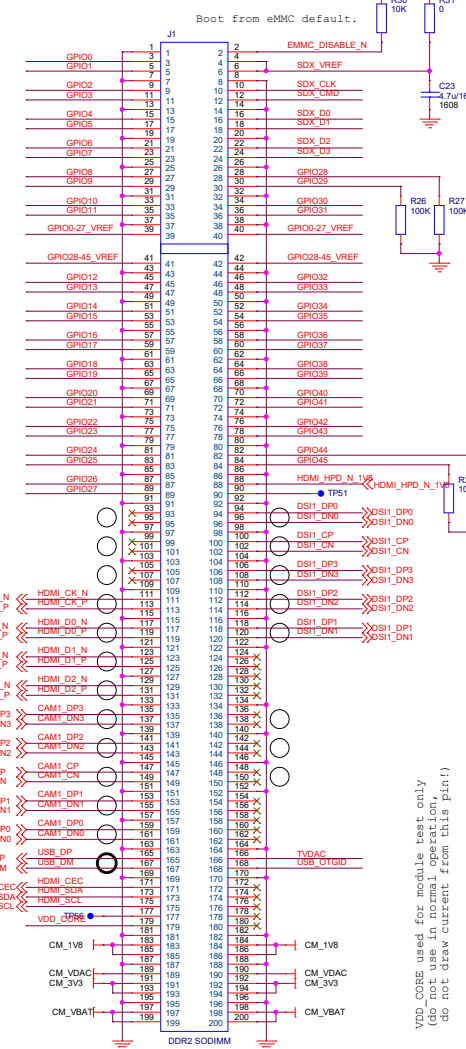
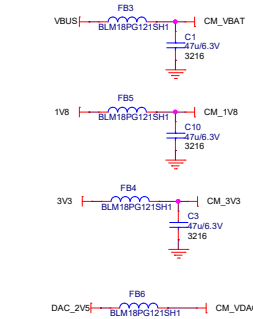
POWER LED



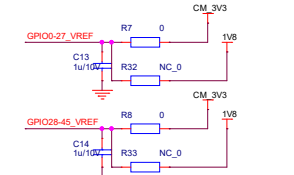
USB A
USB-A



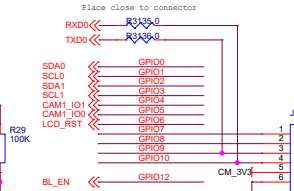
Battery



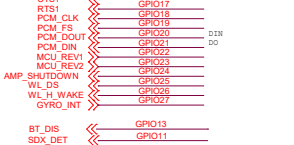
GPIO BANK 0/1 VOLTAGE SELECT:



GPIO 28, 29, 44, 45 DO NOT HAVE PULLS ENABLED AT BOOT SO PROVIDE 100K PULL DOWNS TO AVOID THEM FLOATING



Place close to connector



BT_DIS

SDX_DET

BT_WAKE

BT_H_WAKE

SD1_CLK

SD1_CMD

SD1_D0

SD1_D1

SD1_D2

SD1_D3

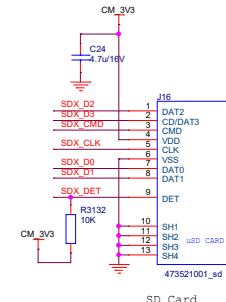
SD1_D4

SD1_D5

SD1_D6

SD1_D7

PUSH-PUSH SD CARD

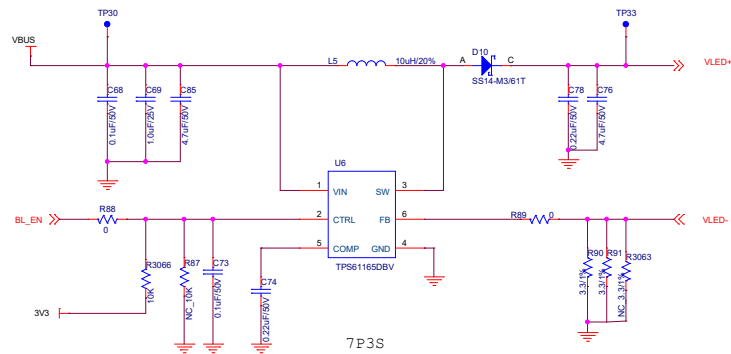


SD Card

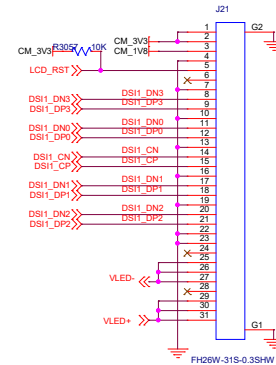
HDMI&CAM:Route ringed signals as matched length 100R differential pairs

USB:Route bold-ringed signals as matched length 90R differential pair

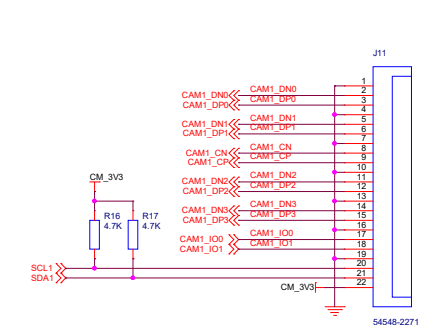
VDD CORE used for module test only (do not use in normal operation, do not draw current from this pin!)

B/L 

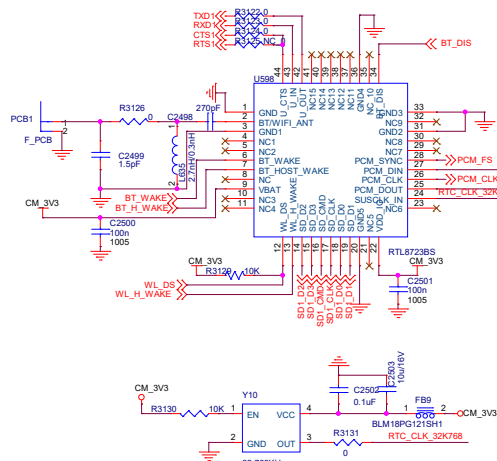
DISPLAY



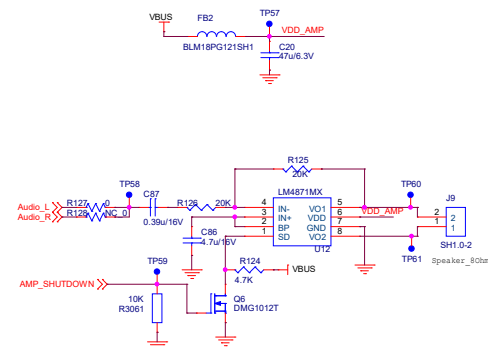
CAMMERA



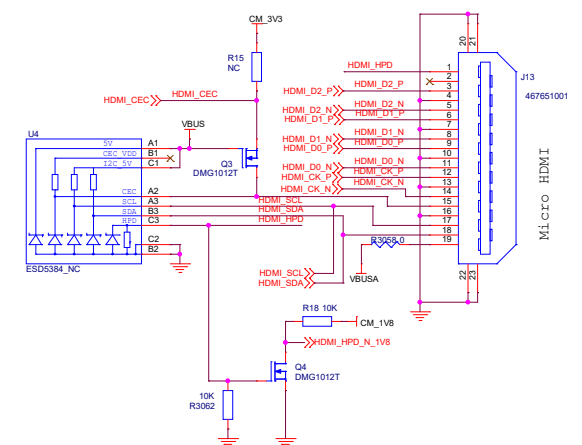
BT&WIFI



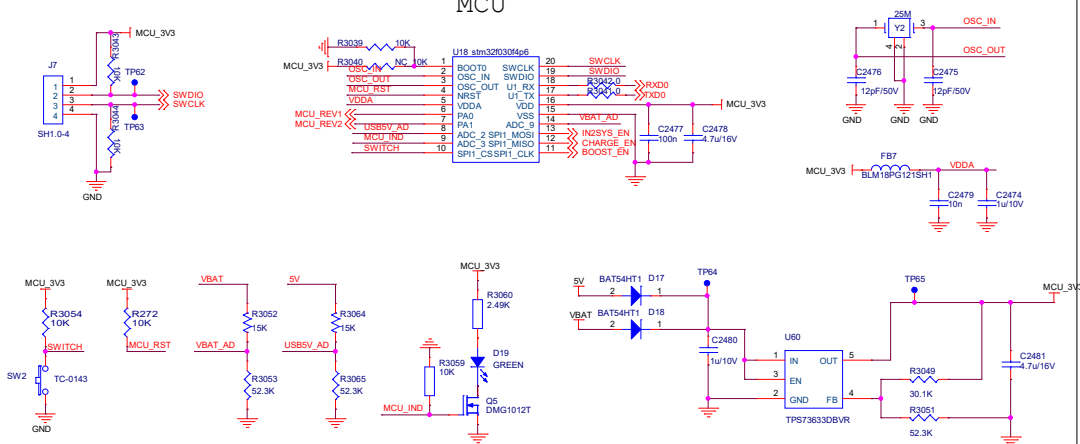
SPEAKER



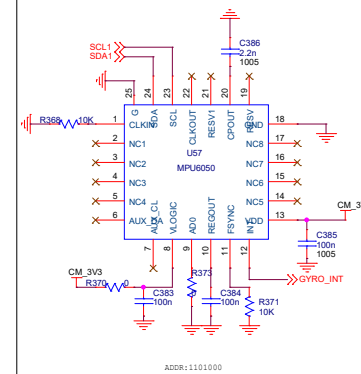
Micro-HDMI



MCU



GYRO



TOUCH Panel

