

VCC and GND trace for the ESD device must be at least 15-18 mils wide and as short as possible.

USB DIFFERENTIAL PAIR
90 OHM DIFFERENTIAL
IMPEDANCE
SHORT AND STRAIGHT AS
POSSIBLE,
MINIMUM NUMBER OF VIAS

J2 change
to HDMI
connector

PLACE FILTERS CLOSE TO HDMI CONNECTOR

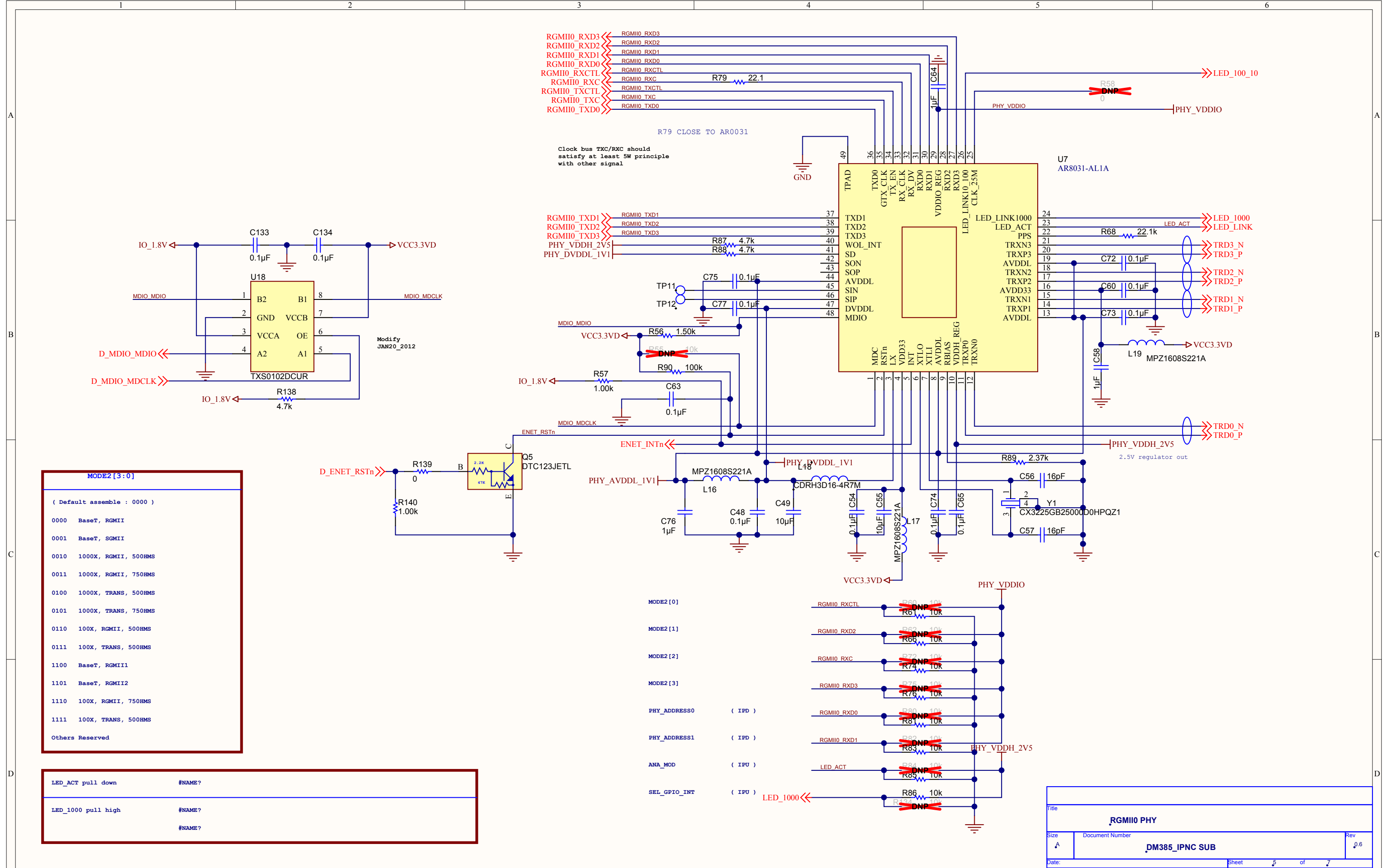
HDMI DIFFERENTIAL PAIR
100 OHM DIFFERENTIAL
IMPEDANCE
SHORT AND STRAIGHT AS
POSSIBLE,
MINIMUM NUMBER OF VIAS

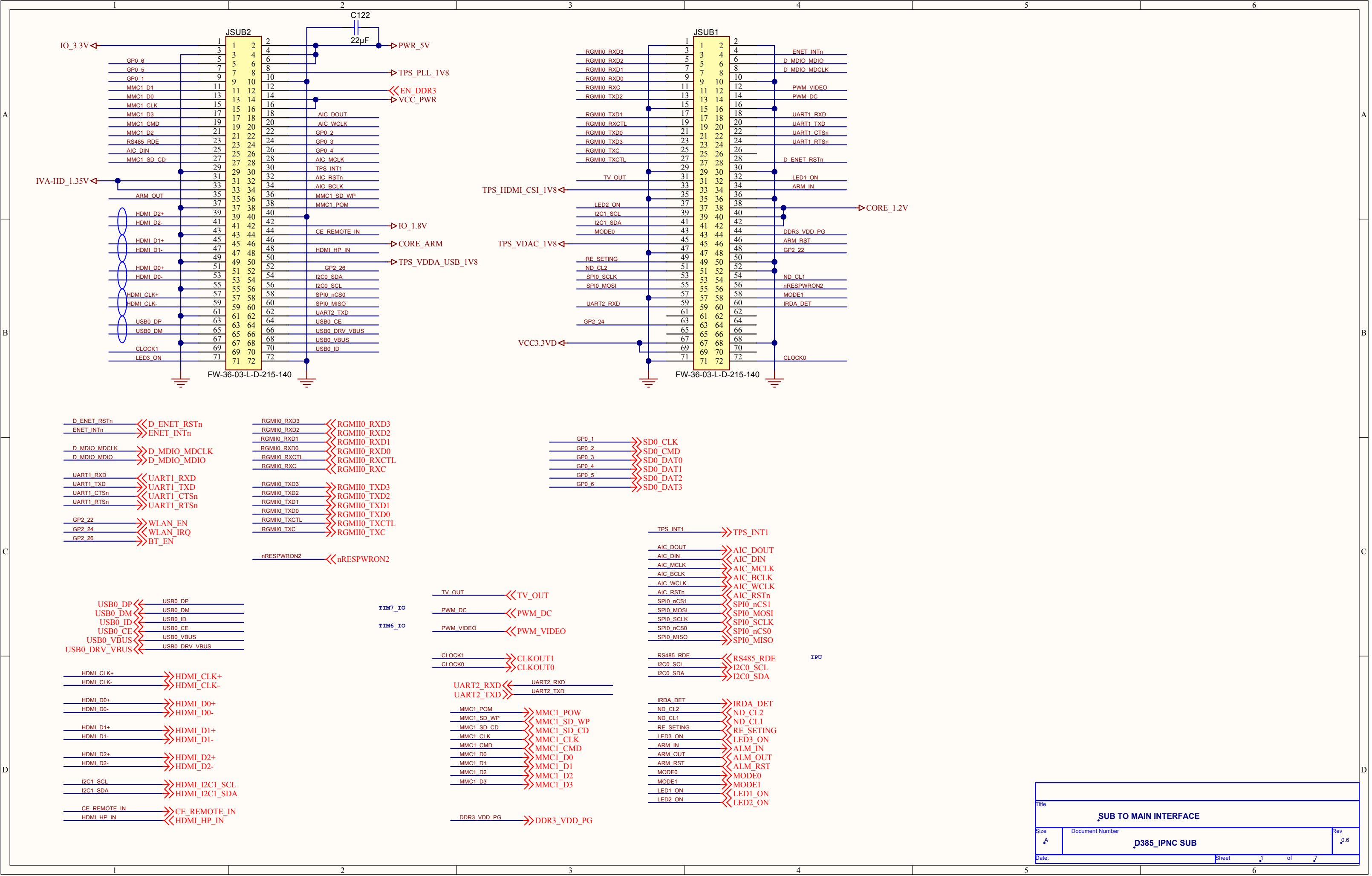
TPD12S016PWR IS NEWLY USED HDMI ESD PROTECTION DIODE
AS REPLACEMNT TO TPD12S521DBTR

U1 close to
usb
connector

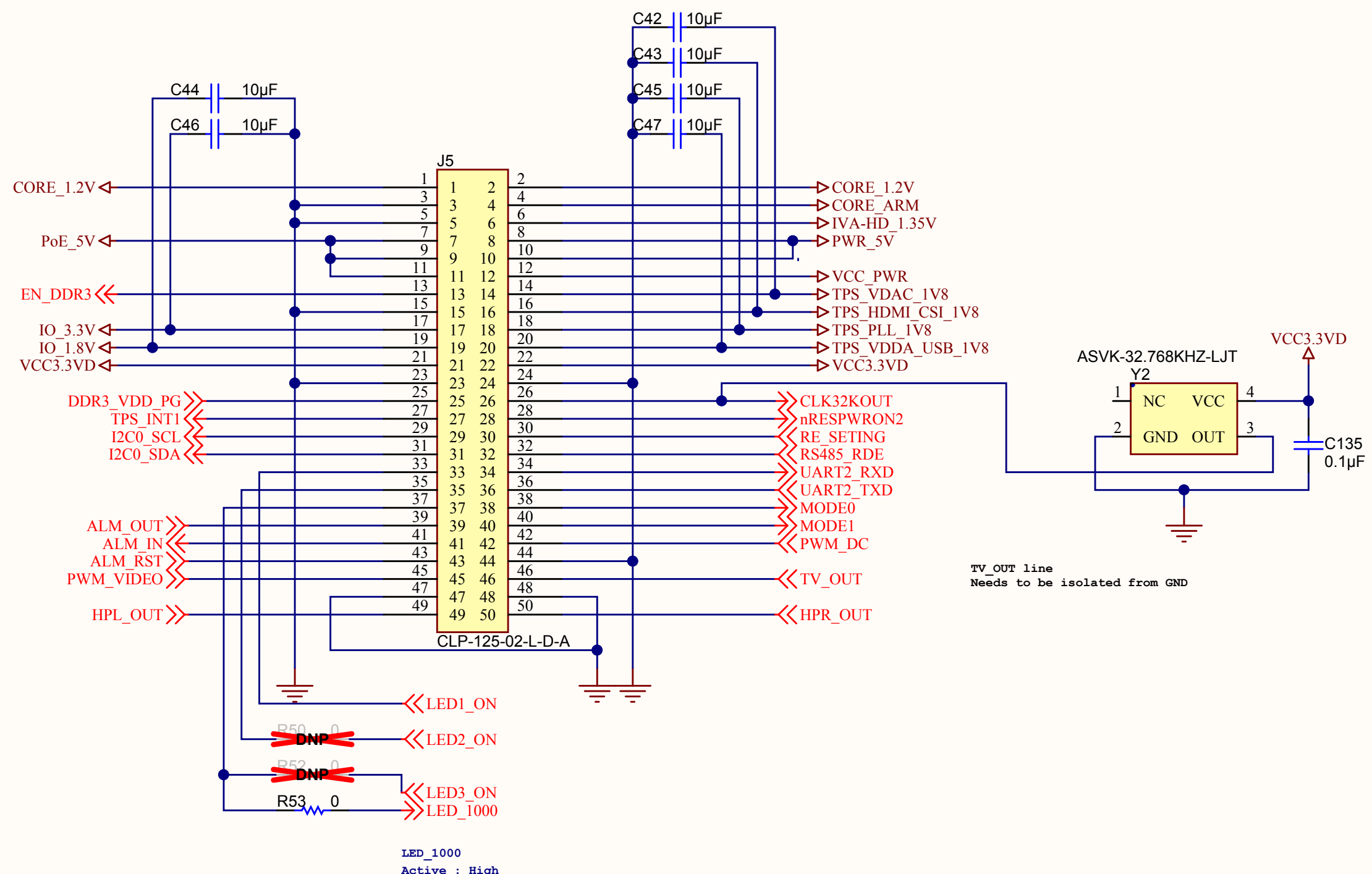
Close to
SD socket

Title		
HDMI & USB & SD interface		
Size	Document Number	Rev
A	DM385_IPNC SUB	0.6
Date:	Sheet 2 of 7	

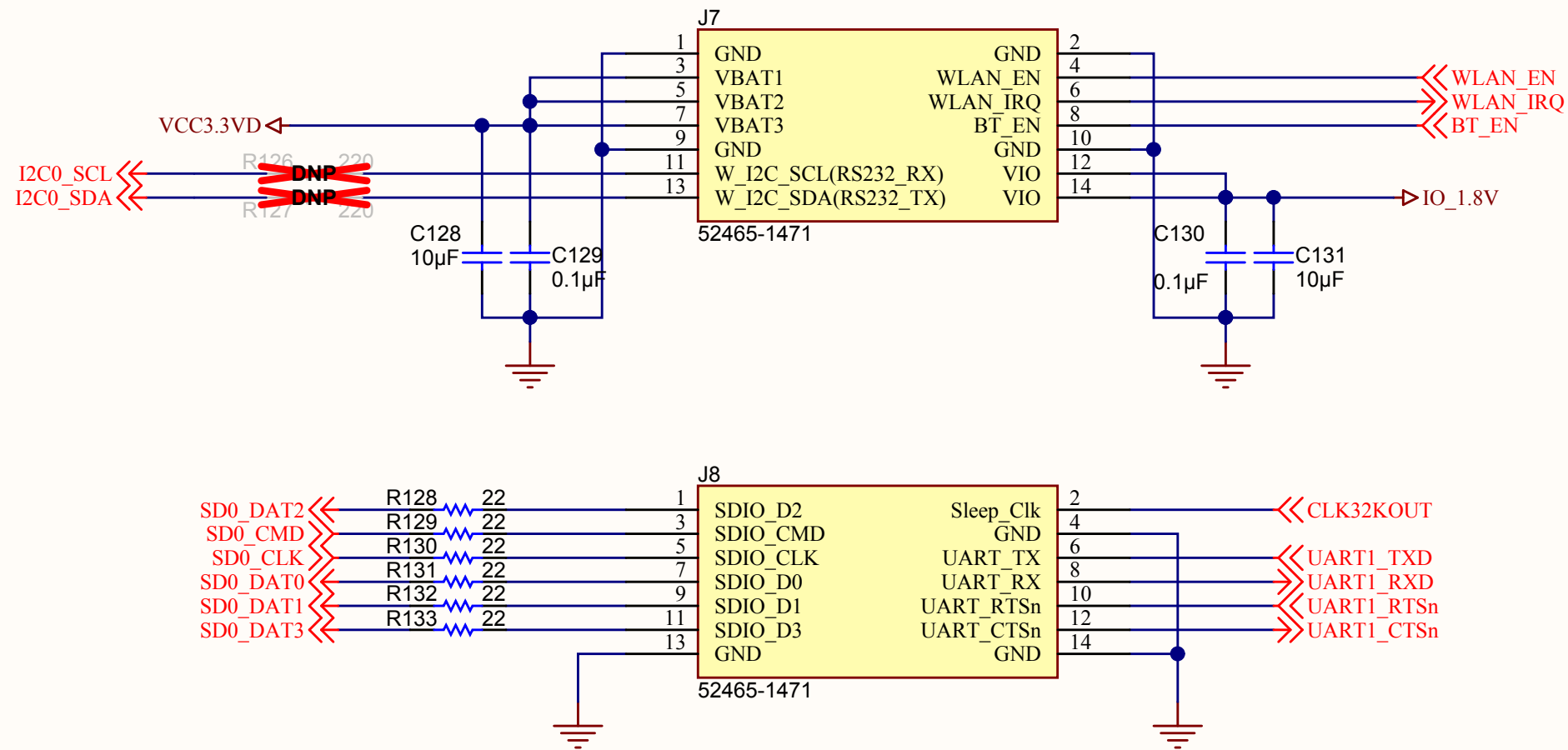




Title		
SUB TO MAIN INTERFACE		
Size	Document Number	Rev
A	D385_IPNC SUB	0.6
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Title			
BOARD TO BOARD INTERFACE			
Size	Document Number		Rev
A	DM385_IPNC SUB		0.6
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Title		
WiFi Module interface		
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