Connect R25 and VT3 source directly to 6 of IC3 (same as feedback in MP2143 datasheet)

* Reset delay must be at least 0.5 second for correct functioning
* R12 and C19 set 1 second delay for power reset
* Reset delay must be at least 0.5 second for correct functioning

* Place DC/DCs as close as possible to Neutis N5 connector
* A_GND must be connected to GND plane in one point
* Power on sequence must be taken into account (refer to docs)

Power on sequence must be taken into account (refer to docs)
R34 sets 500mA current limit for USB OTG

R35 sets 2000mA current limit for all three USB hosts
CSI PARALLEL

X20

NET
NC
GND
SDA
AVDD2.8
SCL
RESET
VSYNC
PWDN
HREF
DVDD
DVDD11
MCLK
D8
GND
Y7
PCLK
D6
D2
D5
D3
D4
NC
NC
GND
GND

CSI SDA
CSI SCK
CSI VSYNC
GND
GND
2,8

C22
AVDD
GND

X20 pinout is only for ov5640 camera. Other cameras might have different pinout

CAMERA POWER

1.5V Digital power

3V I/O power

2.8 Analog power

CAMERA CLOCK

All these components must be DNI if clock from Neutis is used

R46 must be soldered if clock from Neutis N5 is used
Place all passive components as close as possible to connectors.