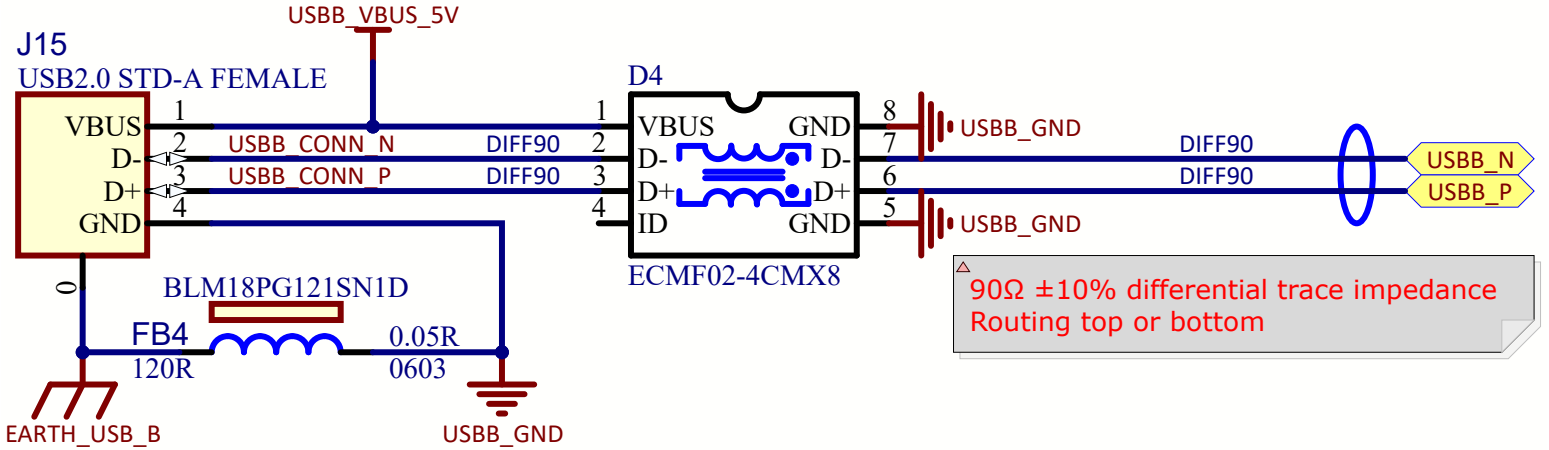
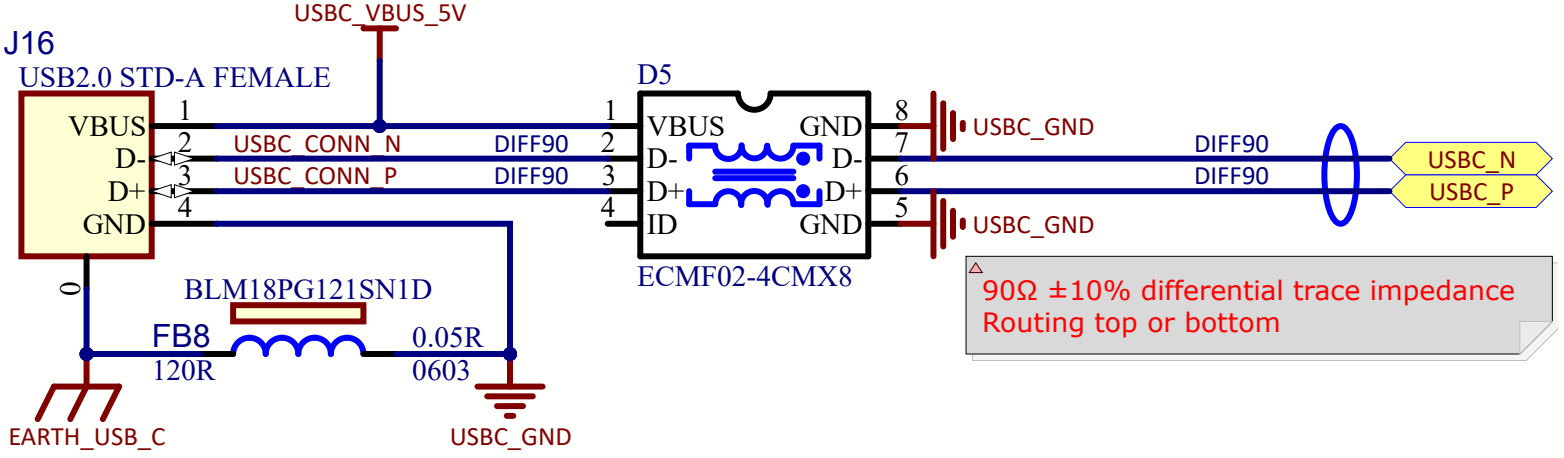
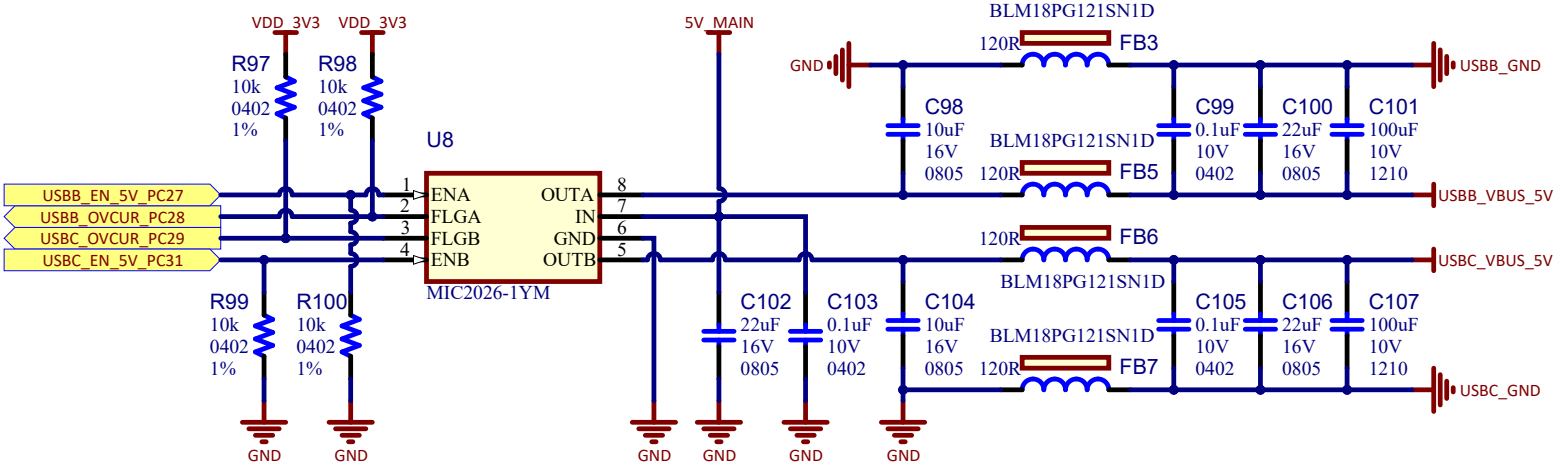

USBB_VBUS_5V
J15
USB2.0 STD-A FEMALE
VBUS
D-
D+
GND
USBB_CONN_N
USBB_CONN_P
DIFF90
DIFF90
D4
VBUS
D-
D+
ID
GND
ECMF02-4CMX8
USBB_GND
USBB_GND
DIFF90
DIFF90
USBB_N
USBB_P
BLM18PG121SN1D
FB4
120R
0.05R
0603
EARTH_USB_B
USBB_GND
90Ω ±10% differential trace impedance
Routing top or bottom


USBC_VBUS_5V
J16
USB2.0 STD-A FEMALE
VBUS
D-
D+
GND
USBC_CONN_N
USBC_CONN_P
DIFF90
DIFF90
D5
VBUS
D-
D+
ID
GND
ECMF02-4CMX8
USBC_GND
USBC_GND
DIFF90
DIFF90
USBC_N
USBC_P
BLM18PG121SN1D
FB8
120R
0.05R
0603
EARTH_USB_C
USBC_GND
90Ω ±10% differential trace impedance
Routing top or bottom


VDD_3V3
VDD_3V3
R97
10k
0402
1%
R98
10k
0402
1%
U8
USBB_EN_5V_PC27
USBB_OVCUR_PC28
USBC_OVCUR_PC29
USBC_EN_5V_PC31
ENA
FLGA
FLGB
ENB
OUTA
IN
GND
OUTB
MIC2026-1YM
R99
10k
0402
1%
R100
10k
0402
1%
GND
GND
5V_MAIN
GND
GND
GND
GND
C102
22uF
16V
0805
C103
0.1uF
10V
0402
C104
10uF
16V
0805
BLM18PG121SN1D
120R
FB3
C98
10uF
16V
0805
BLM18PG121SN1D
120R
FB5
C99
0.1uF
10V
0402
C100
22uF
16V
0805
C101
100uF
10V
1210
USBB_GND
USBB_VBUS_5V
120R
FB6
BLM18PG121SN1D
120R
FB7
C105
0.1uF
10V
0402
C106
22uF
16V
0805
C107
100uF
10V
1210
USBC_VBUS_5V
USBC_GND