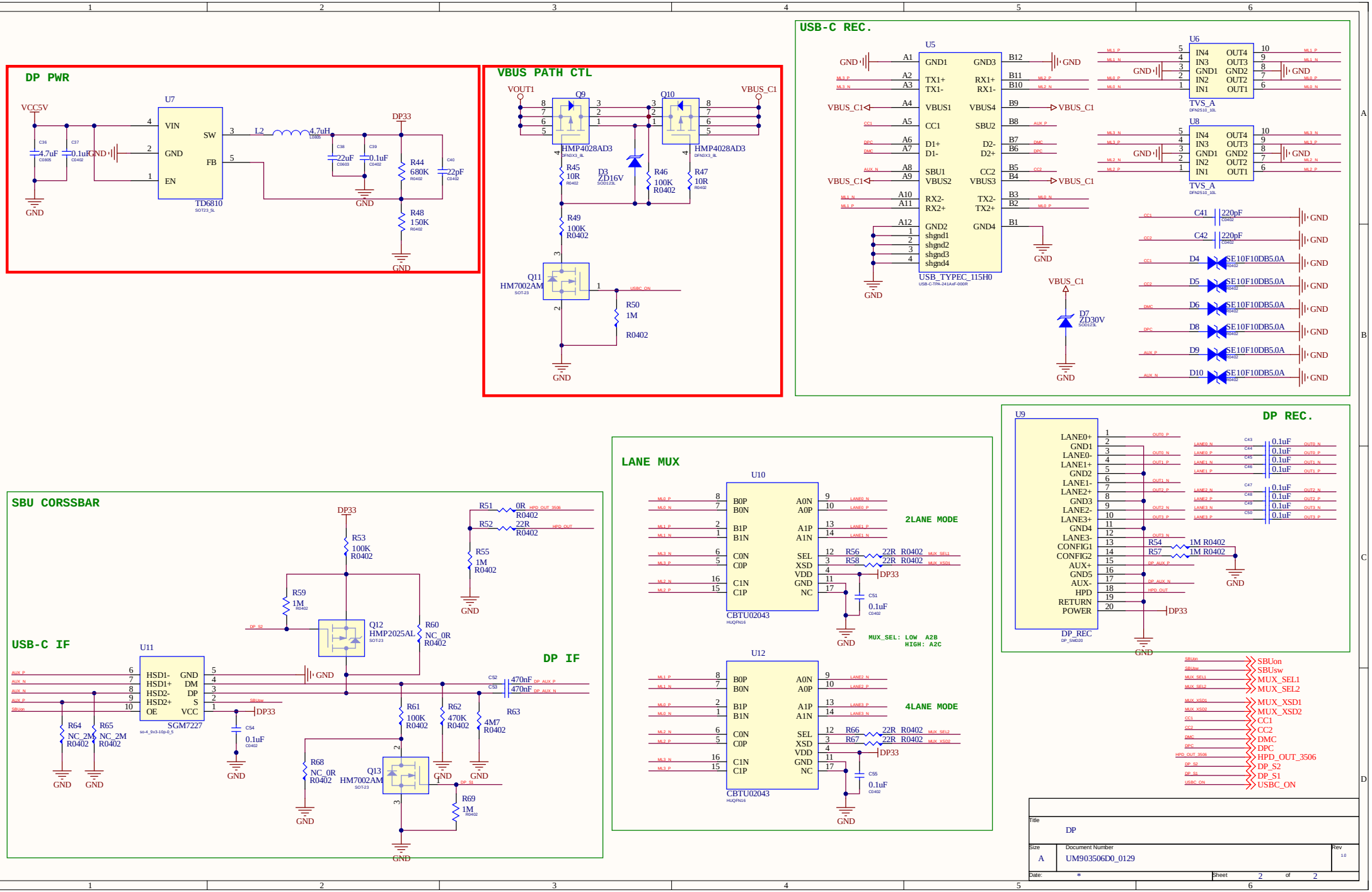
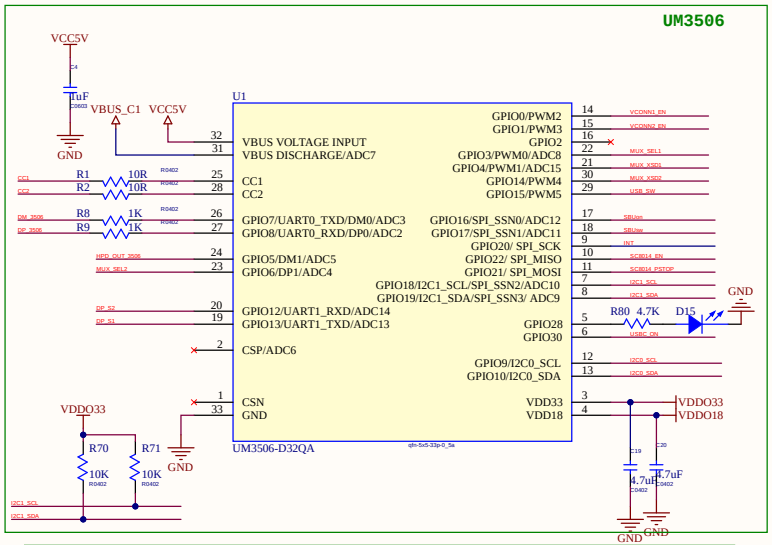
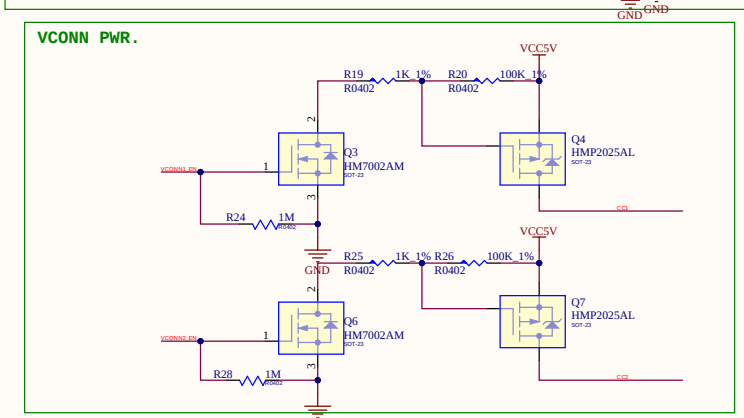
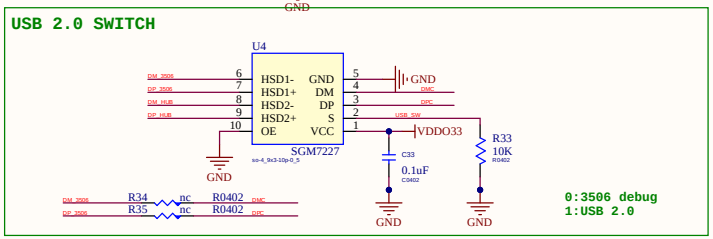
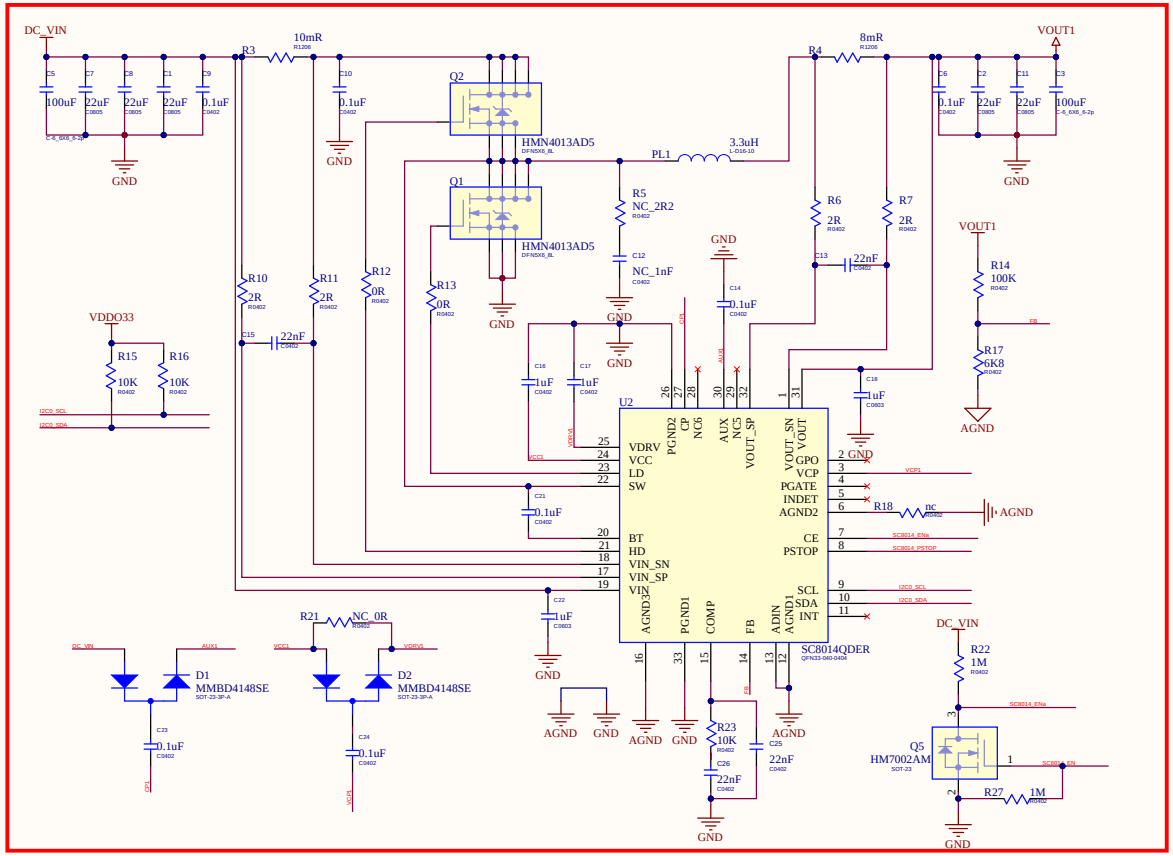
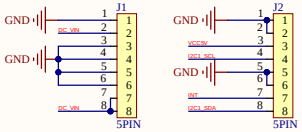

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VIN
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FB
EN
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SOT23_5L
L2
4.7uH
DP33
R44
680K
R48
150K
22pF
VBUS PATH CTL
VOUT1
VBUS_C1
Q9
Q10
HMP4028AD3
R45
10R
D3
ZD16V
R46
100K
R47
10R
R49
100K
Q11
HM7002AM
USBC_ON
R50
1M
USB-C REC.
U5
GND1
GND3
TX1+
RX1+
TX1-
RX1-
VBUS1
VBUS4
CC1
SBU2
D1+
D2-
D1-
D2+
SBU1
CC2
VBUS2
VBUS3
RX2-
TX2-
RX2+
TX2+
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GND4
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shgnd3
shgnd4
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U8
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C41
220pF
C42
D4
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D5
D6
D8
D9
D10
D7
ZD30V
SBU CORSSBAR
DP33
R53
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R51
0R
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R52
22R
HPD_OUT
R55
1M
R59
1M
Q12
HMP2025AL
R60
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HSD1+
HSD2-
HSD2+
OE
DM
DP
S
VCC
SGM7227
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NC_2M
R65
NC_2M
C54
0.1uF
DP IF
C52
470nF
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C53
DP_AUX_N
R61
100K
R62
470K
R63
4M7
R68
NC_0R
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R69
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LANE MUX
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A0N
A0P
B1P
B1N
A1P
A1N
C0N
C0P
SEL
XSD
VDD
GND
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C1P
NC
CBTU02043
HUQFN16
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22R
R58
C51
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HIGH: A2C
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4LANE MODE
R66
R67
C55
DP REC.
U9
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GND1
LANE0-
LANE1+
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LANE1-
LANE2+
GND3
LANE2-
LANE3+
GND4
LANE3-
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CONFIG2
AUX+
GND5
AUX-
HPD
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POWER
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R57
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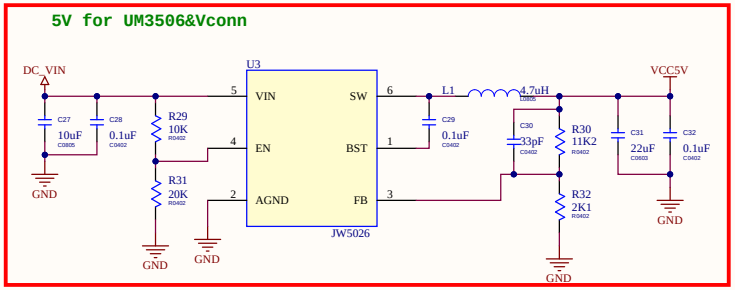


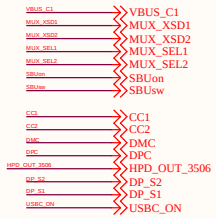












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Date: *	Sheet: 1 of 2	