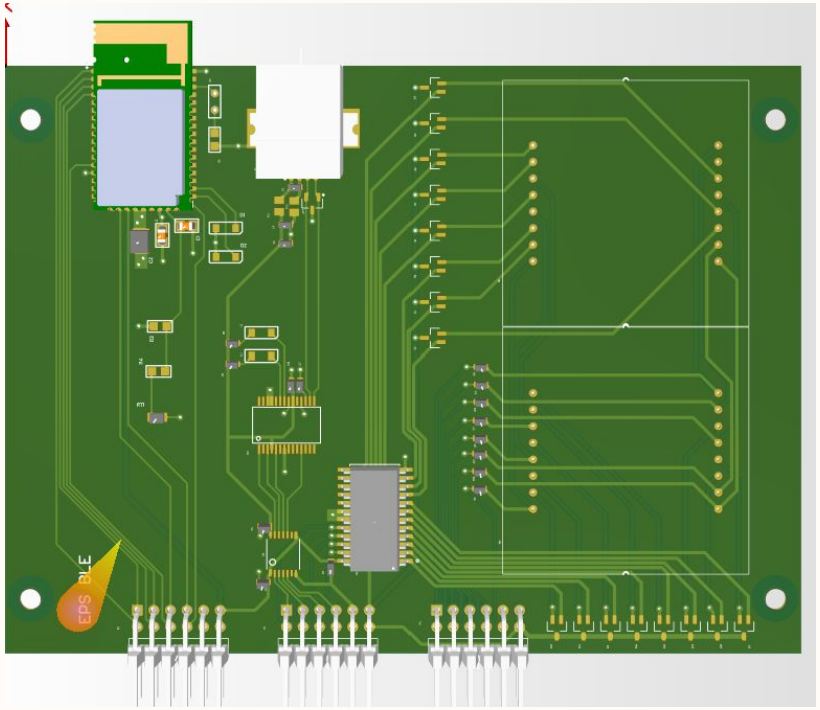
Desarrollo de una placa suplementaria para Digilent Zybo

6/28/2020

TOP VIEW



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1	BM64 Microchip BLE Interface
2	USB TO UART Interface
3	Displays LEDS

CHECKED

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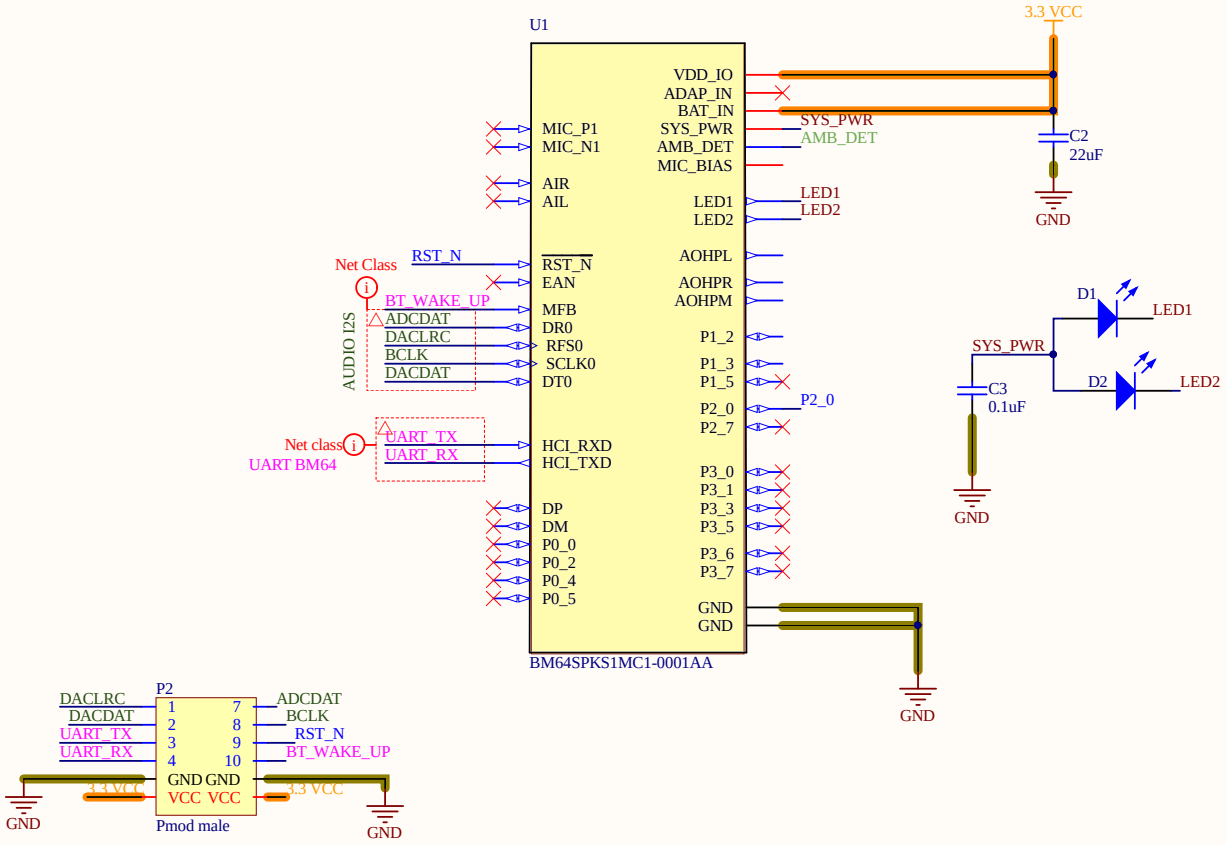
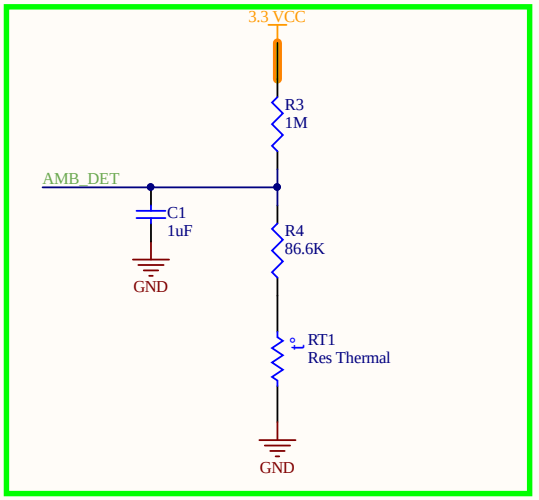
File: C:\Users\..\Cover.SchDoc		Drawn By:

PMOD BLE

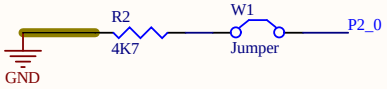
Bluetooth Module



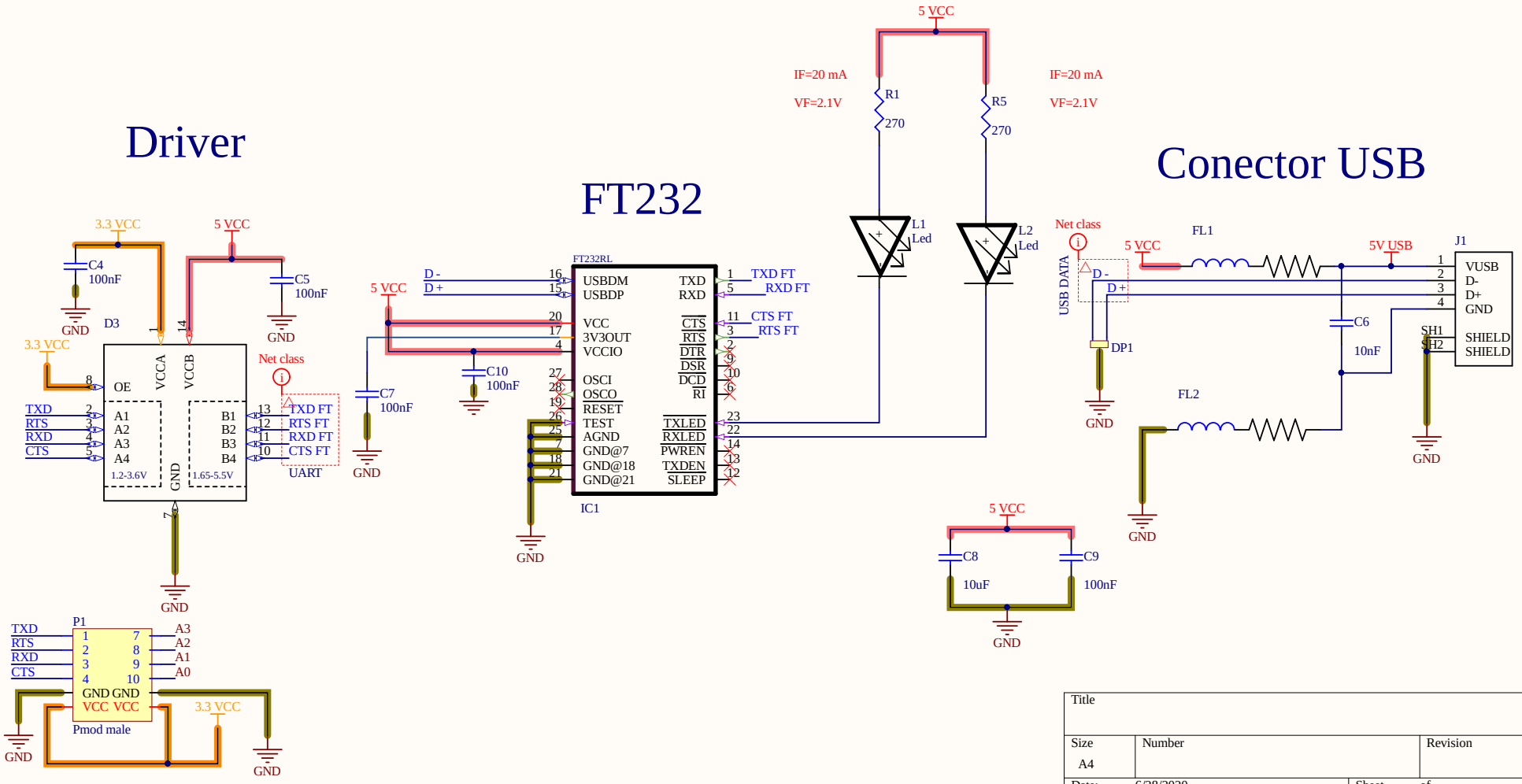
AMBIENT DETECTION



FLASH MODE



PMOD USB UART



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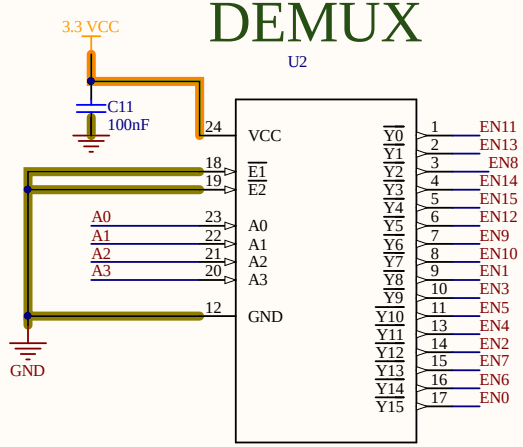
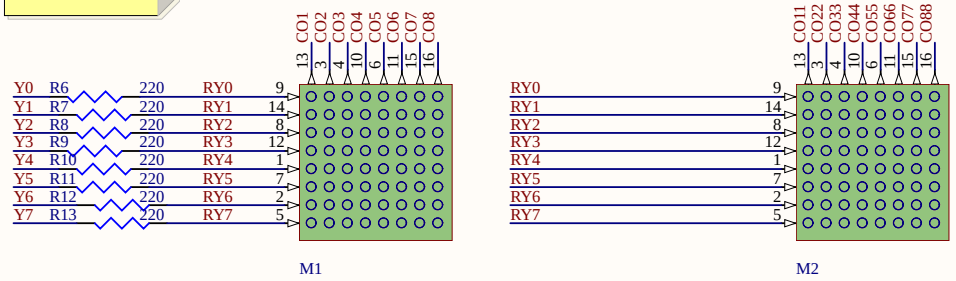
DISPLAY

DEMUX

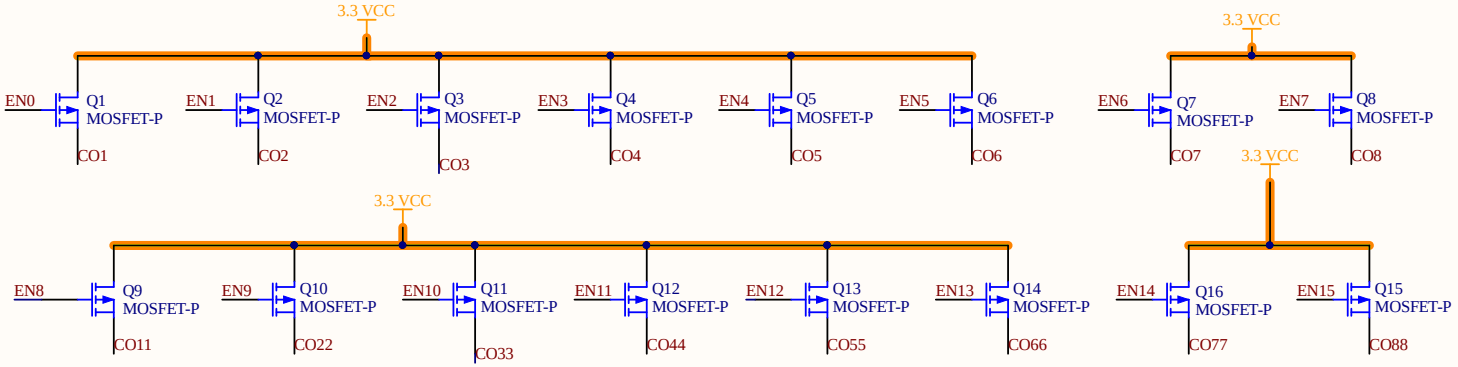


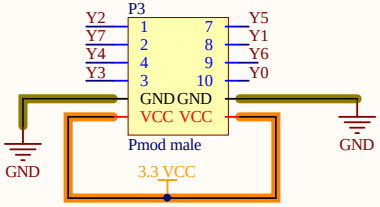
La huella de estas resistencias es 0603

LED MATRICES



PMOS MATRIX





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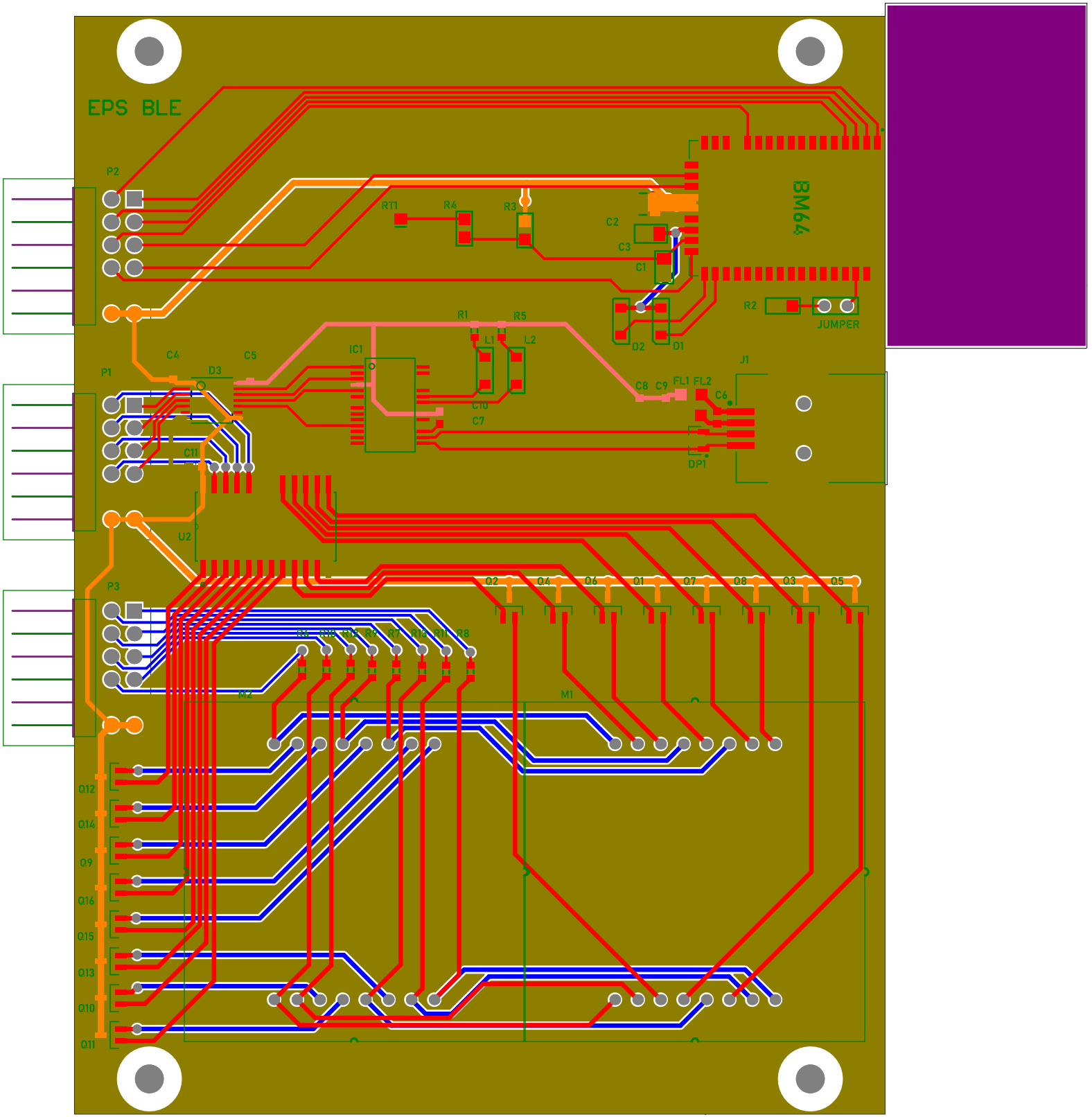
EPS BLE
P2
P1
P3
RT1
R4
R3
C2
C3
C1
BM64
R2
JUMPER
R1
R5
L1
L2
IC1
D2
D1
J1
C4
C5
D3
C8
C9
FL1
FL2
C6
C10
C7
DP1
C11
U2
Q2
Q4
Q6
Q1
Q7
Q8
Q3
Q5
R6
R8
M2
M1
Q12
Q14
Q9
Q16
Q15
Q13
Q10
Q11

Comment	Description	Designator	Footprint	LibRef	Qu
1uF	capacitor	C1	Cap0805	Cap	
Cap Semi	Capacitor (Semicondu	C2	C1210	Cap Semi	
0.1uF	capacitor	C3	Cap0805	Cap	
Cap Semi	Capacitor (Semicondu	C4, C5, C6, C7, C8, C9	1608[0603]	Cap Semi	
LED1	Typical RED GaAs LE	D1, D2	Diode1206	LED1	
TXB0104PWR	4-Bit Bidirectional Vol	D3	*TSSOP14	TXB0104PWR	
PESD5V0U2BT,215	TVS DIODE 5V SOT23	DP1	*SOT95P230X110-3N	PESD5V0U2BT,215	
BLM21PG221SN1D	220 Ohms @ 100MHz	FL1, FL2	*BEADC2012X105N	BLM21PG221SN1D	
FT232RL	USB-to-UART 1-CH 25	IC1	*SSOP28-LD	FT232RL	
1-1734346-1	Conn USB 2.0 Type B	J1	*TE_1-1734346-1_1-1	1-1734346-1	
Led		L1, L2	Diode1206 - PIN LETT	Led	
matrix8X8		M1, M2	Matrix Led	matrix8X8	
Pmod male	p mod male 6 position	P1, P2, P3	901220766	Pmod male	
MOSFET-P	P-Channel MOSFET	Q1, Q2, Q3, Q4, Q5, C	BSS84PWH6327XTSA1	MOSFET-P	
270R	Resistor	R1, R5, R6, R7, R8, R	J1-0603	Res3	
Res3	Resistor	R2, R3, R4	Resistor 0805	Res3	
Res Thermal	Thermistor	RT1	6-0805_N	Res Thermal	
BM64SPKS1MC1-0001	Bluetooth Bluetooth v	U1	*MODULE_BM64SPKS	BM64SPKS1MC1-0001	
CD74HC154M	Decoder/Demultiplexe	U2	*SOIC127P1030X265-	CD74HC154M	