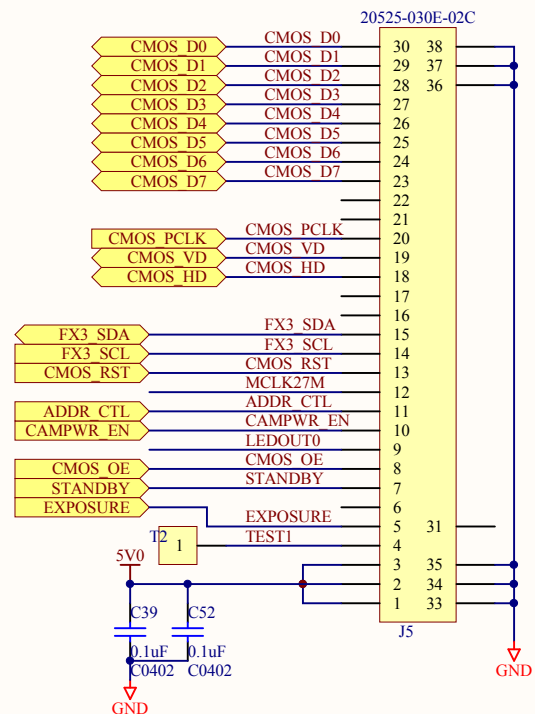
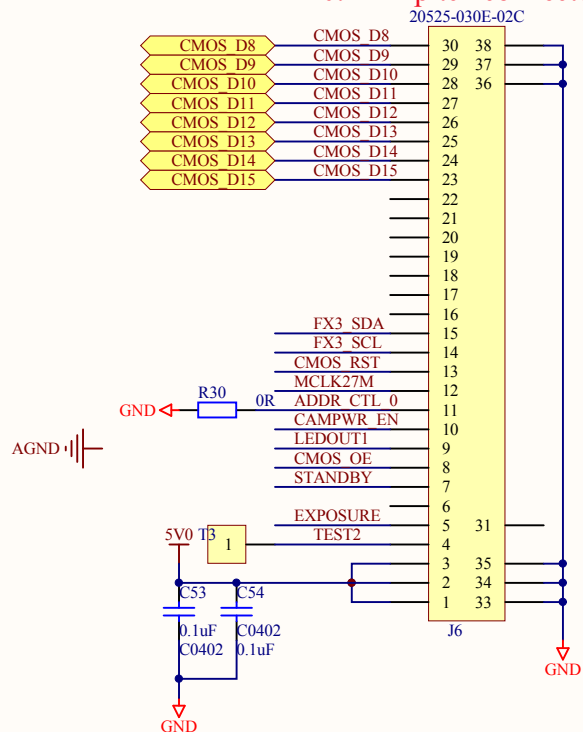


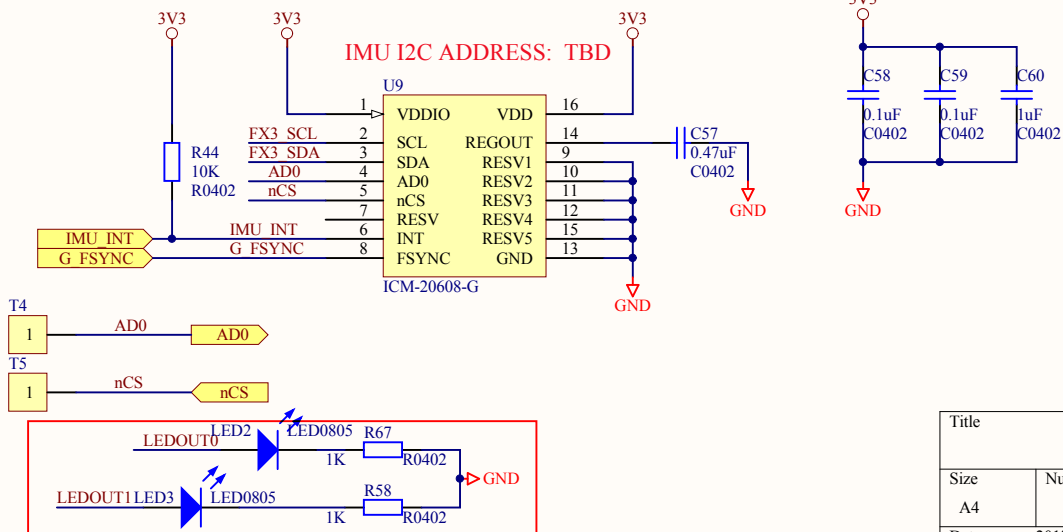
I-PEX 0.4mm pitch connector



I-PEX 0.4mm pitch connector



IMU I2C ADDRESS: TBD

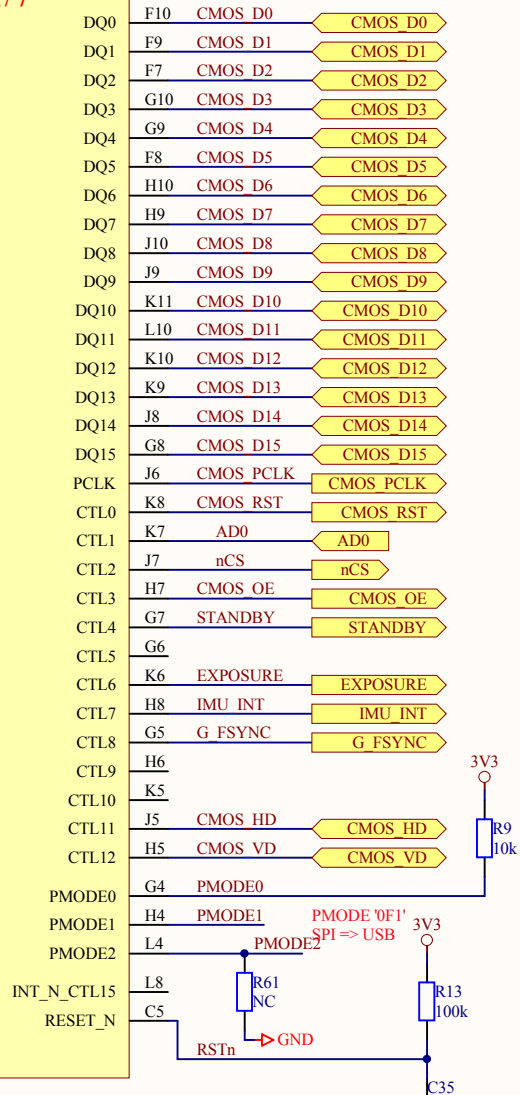


Sensors Interface & IMU

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Size	Number	Revision
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Date:	2017/11/9	Sheet of
File:	F:\CUS 2016\sch Connet&IMU.SchDoc	Drawn By:

U1A

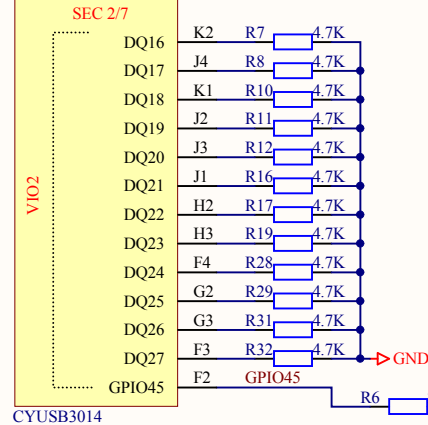
P- PORT SEC 1/7



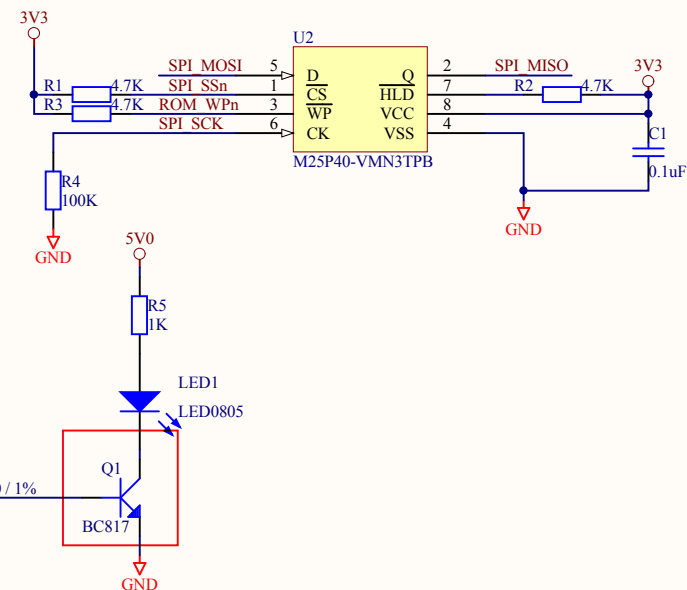
CYUSB3014

U1B

S0 - PORT SEC 2/7

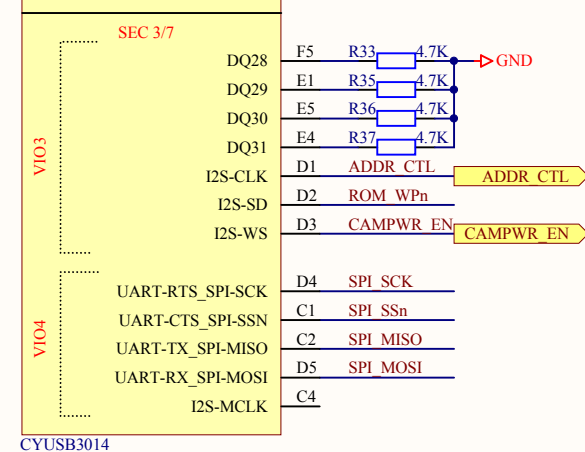


CYUSB3014



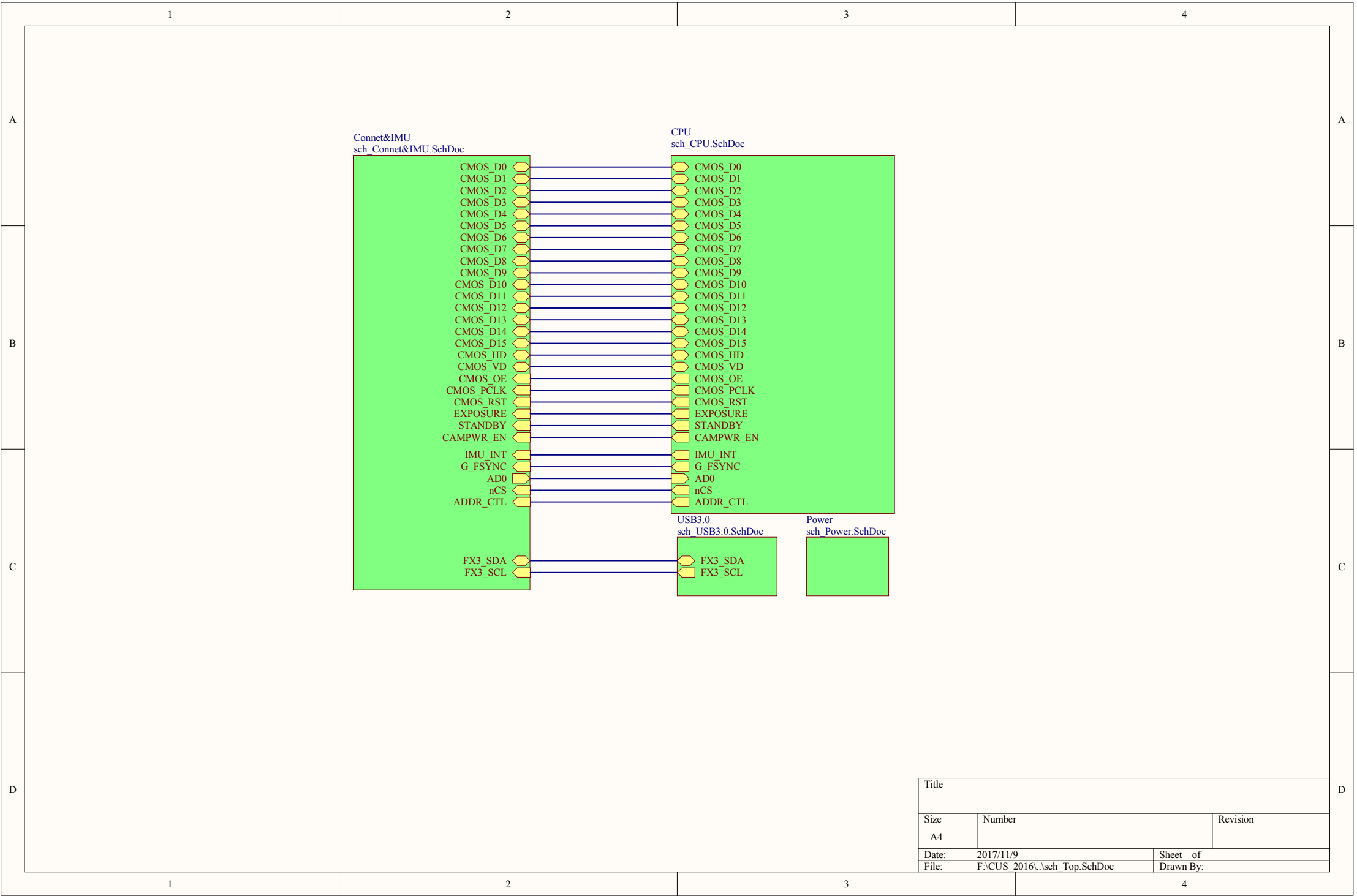
U1C

S1 - PORT SEC 3/7

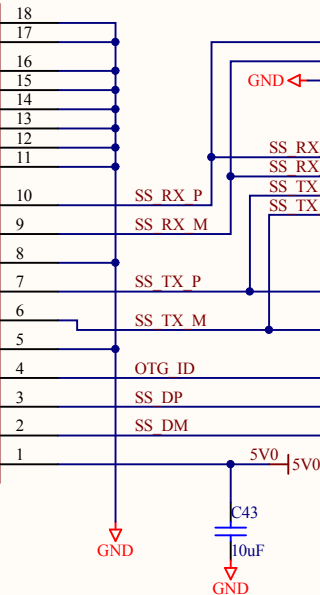
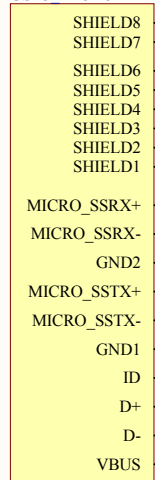


CYUSB3014

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Size	Number	Revision
A4		
Date:	2017/11/9	Sheet of
File:	F:\CUS 2016\sch CPU.SchDoc	Drawn By:

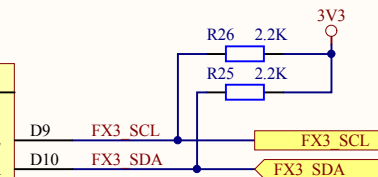
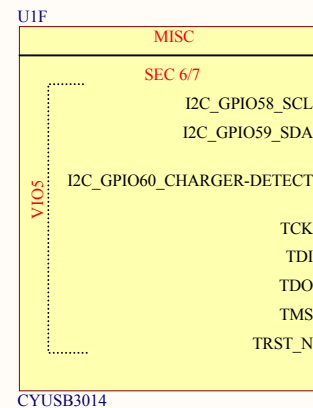
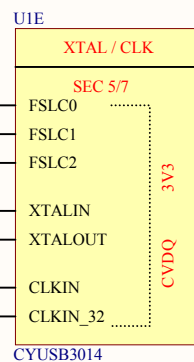
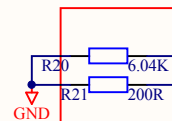
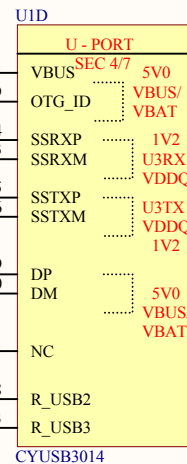


J1
USB3 MICROB



PART_NUMBER = SP3010-04UTG
manufacturer = Littlefuse

The following signal pairs:
SS_DP : SS_DM
SS_RX_P : SS_RX_M
SS_TX_P : SS_TX_M
UTXP : UTXM
are designated as differential pairs.
All differential pairs are to have differential-mode
characteristic impedance of 90 Ohm.
To the fullest reasonable extent they should be
length-matched, and layer changes should be
minimized.



Title		
Size	Number	Revision
A4		
Date:	2017/11/9	Sheet of
File:	F:\CUS 2016\sch USB3.0.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor	C1, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C14, C15, C19, C21, C23, C24, C26, C29, C31, C33, C35, C37, C39, C40, C41, C42, C51, C52, C53, C54, C58, C59, C67	0402C	Cap	34
47u	CC08052B476M5B20D	C2, C18, C20, C30	0805C	cap0805	4
0.01uF	Capacitor	C13, C16, C17, C22, C25, C27, C28, C94, C95, C96, C97, C98	0402C	Cap	12
4.7uF	Capacitor	C32	0805C	Cap	1
10uF	Capacitor	C34, C43	0805C	Cap	2
4.7u	CC0402MRX5R5BB475	C36, C55, C56	0402C	cap0402	3
NC	Capacitor	C38	0402C	Cap	1
12pF	Capacitor	C49, C50	0402C	Cap	2
0.47uF	Capacitor	C57	0402C	Cap	1
1uF	Capacitor	C60	0402C	Cap	1
600@100MHz		FB1, FB2, FB3	0402R	600@100MHz	3
CON1	Connector	H1, H2, H3, H4	PAD_M3_D350_450	CON1	4
USB3_MICROB		J1	USB3_BA_P65L130W51H28	USB3_MICROB	1
20525-030E-02C		J5, J6	HSA30_P40L196W42H10_20525	20525-030E-02C	2
LED0805	发光二极管	LED1, LED2, LED3	LED0805A_L210W100H60	LED	3
BC817	NPN Transistor	Q1, Q2, Q3	SOT-23L	NPN	3
4.7K	Resistor	R1, R2, R3, R7, R8, R10, R11, R12, R16, R17, R19, R28, R29, R31, R32, R33, R35, R36, R37	0402R	Resistor	19
100K	Resistor	R4, R13, R56	0402R	Resistor	3
1K	Resistor	R5, R14, R58, R59, R67	0402R	Res2, Resistor	5
200R	Resistor	R6, R21	0402R	Resistor	2
10K	Resistor	R9, R44, R63	0402R	Res2, Resistor	3
51K	Resistor	R15	0402R	Resistor	1
1.15K	Resistor	R18	0402R	Resistor	1
6.04K	Resistor	R20	0402R	Resistor	1
2.2K	Resistor	R25, R26	0402R	Resistor	2
22R	Resistor	R27, R34, R60, R62	0402R	Res2, Resistor	4
0R	Resistor	R30, R57	0402R	Res2, Resistor	2
30.1K	Resistor	R53	0402R	Resistor	1
NC	Resistor	R61	0805R	Resistor	1
CON1	Connector	T2, T3, T4, T5, T6, T7	PAD_TP_D1.2	CON1	6
CYUSB3014		U1	FBGA121_P80L100W100H11	CYUSB3014	1
M25P40-VMN3TPB		U2	SO8N_P127L50W40W62H17	M25P40-VMN3TPB	1
TPS74801DRCR		U4	SON10_P50L32W32H10_DRC	TPS74801DRCR	1
SP3010-04UTG		U6	UDFN10_SON_P50L25W10H55	SP3010-04UTG	1
XTAL-3225		U7	XTAL_3225	XTAL.	1
ICM-20608-G		U9	LGA16_P50L30W30H08	ICM-20608-G	1
AS1364-BTDT-AD		U13	TDFN8_P65L30W30H08	AS1364-BTDT-AD	1
OSC2520-->3225	Simple Package Xtal Oscillator	U14	XTAL_3225	XTAL-SPXO	1
19.2MHz--3225	Crystal Oscillator	Y1	XTAL_3225	XTAL	1