

Title **Power circuit**

Size: A4

Number: \*

Revision: 1-1

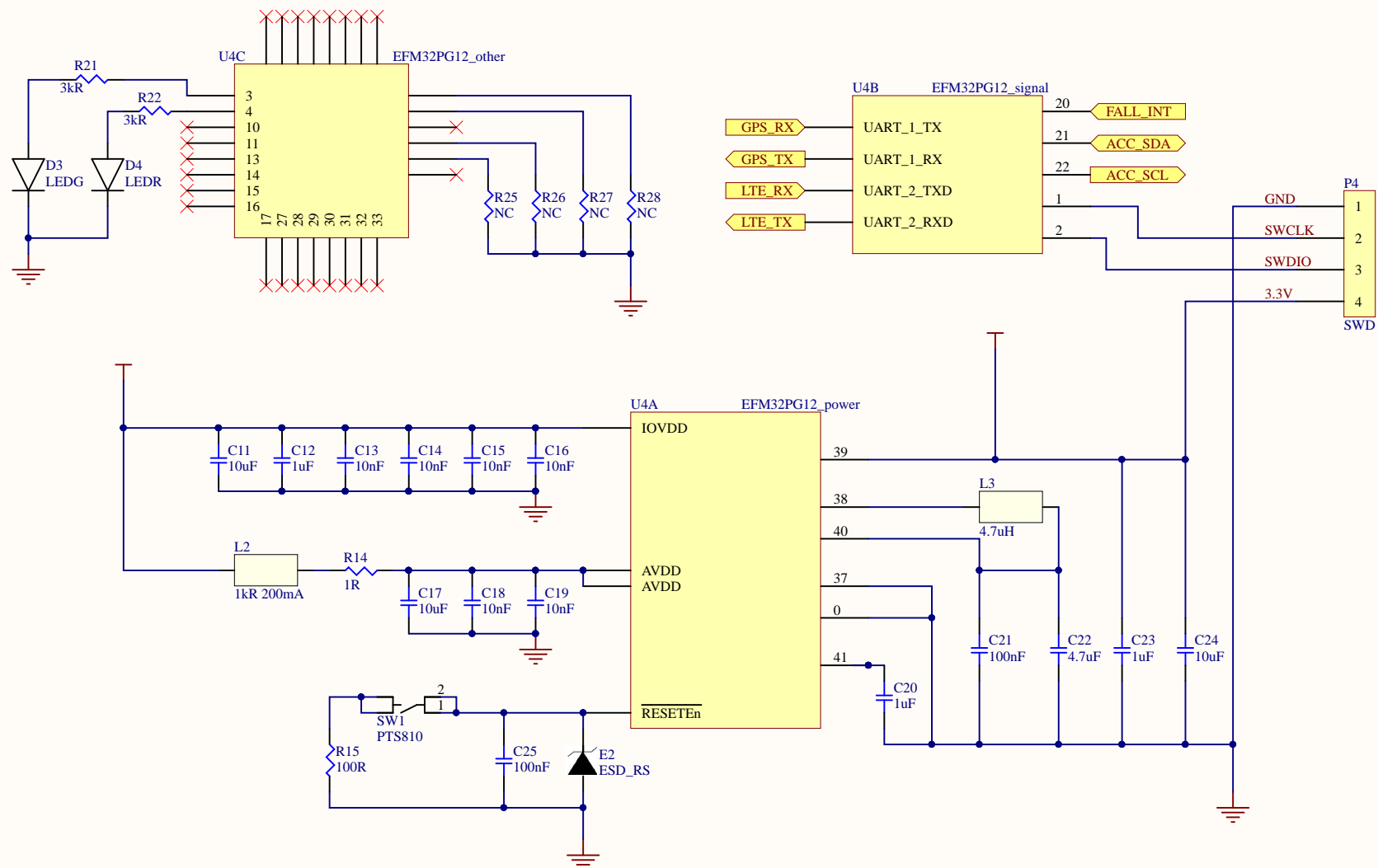
Date: 2020/3/18

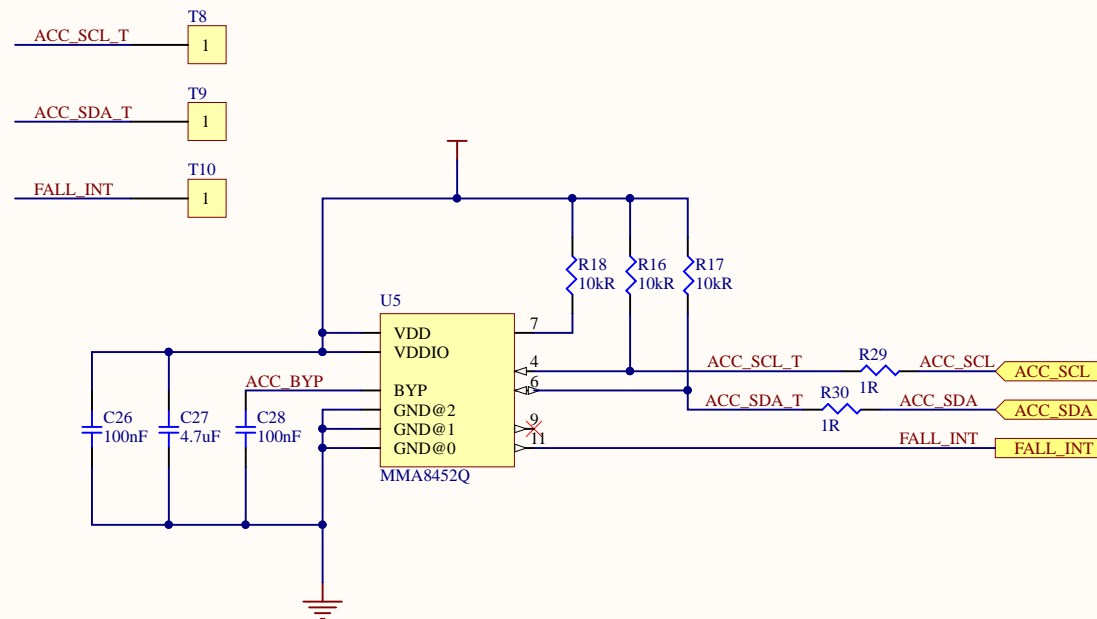
Time: 上午 10:40:18

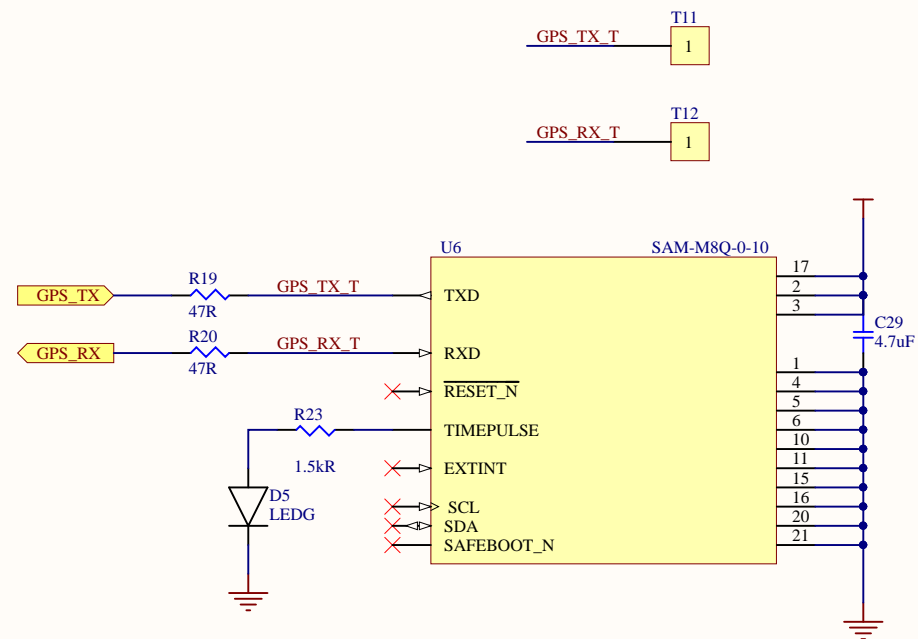
Sheet 2 of 6

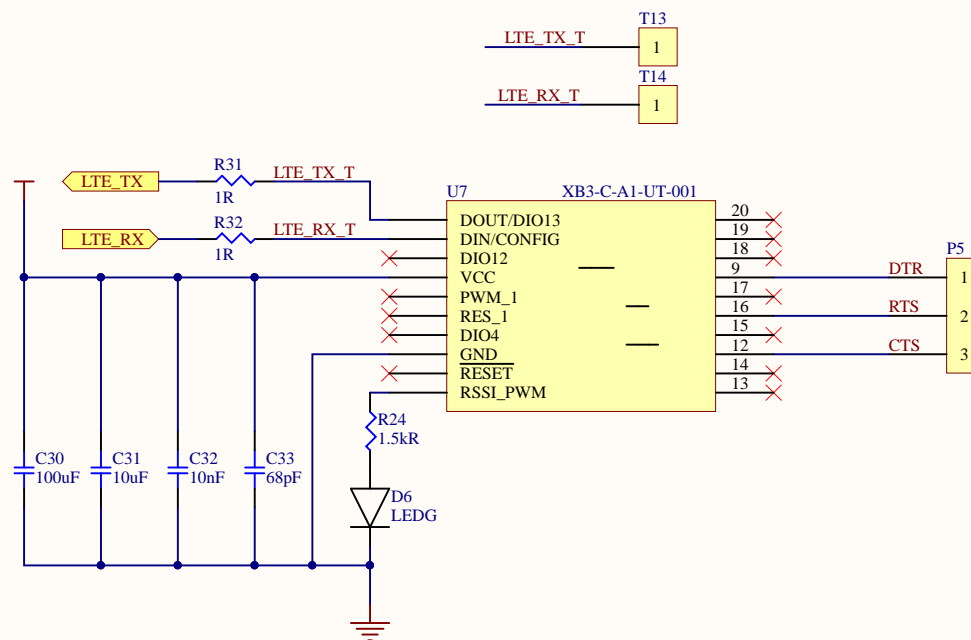
File: C:\Users\Tim Chien\Google 雲端硬碟\LPM project\hardware\Project PCB\Power.SchDoc

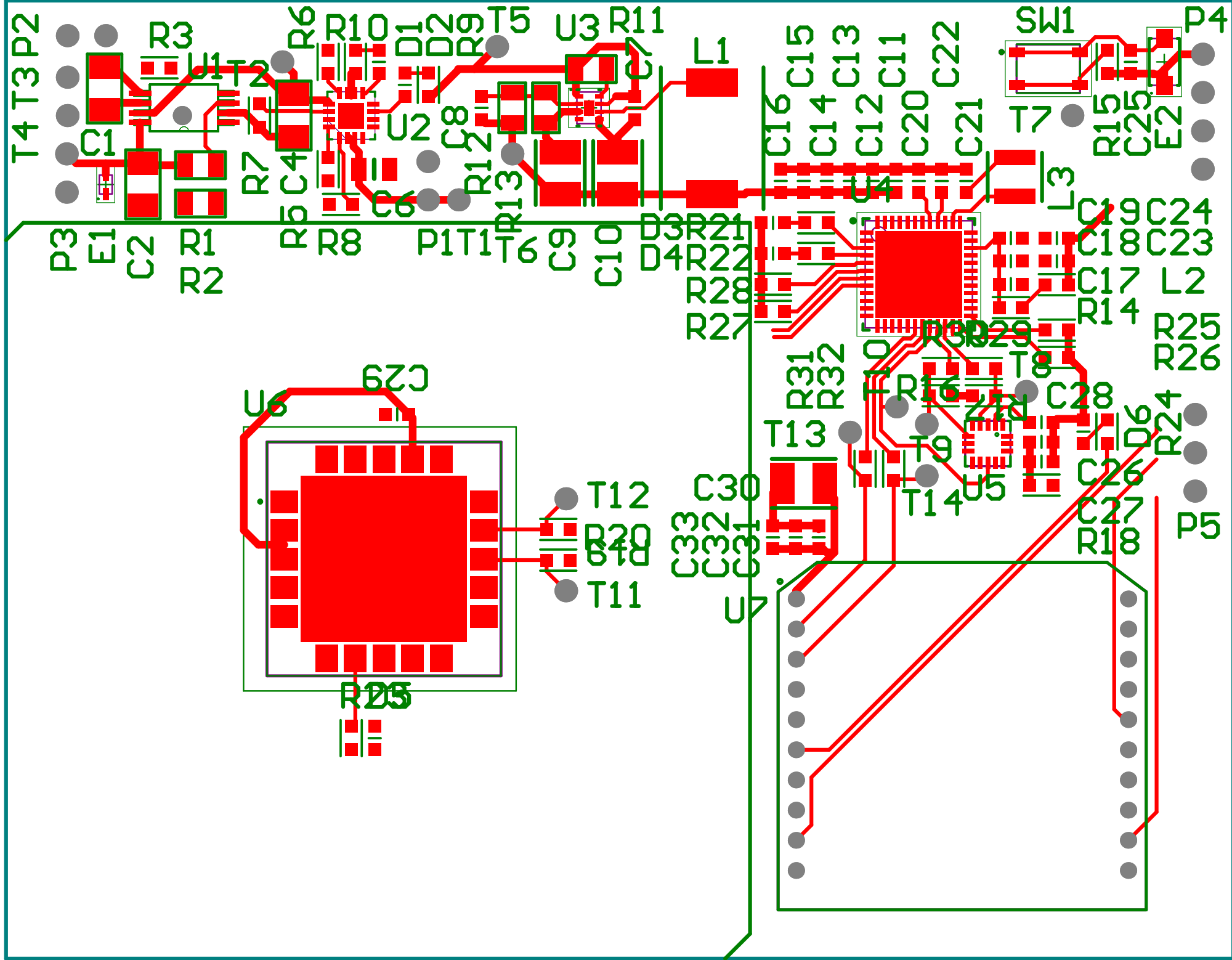












# Bill of Materials

Block diagram

Source Data From: PCB\_Project.PrjPcb  
 Project: PCB\_Project.PrjPcb  
 Variant: None

Creation Date: 2020/3/18 上午 10:40:44  
 Print Date: 18-Mar-20 10:41:25 AM

Footprint	Comment	LibRef	Designator	Description	Quantity
1206-CAP	1206C 100NF	1206C 100NF	C1, C2	Bat_connector	2
1206-CAP	1206C 10UF	1206C 10UF	C4		1
0805-CAP	0805C 10UF	0805C 10UF	C6		1
0603-CAP	0603C 4U7F	0603C 4U7F	C7, C22, C27, C29		4
0603-CAP	0603C 120PF	0603C 120PF	C8		1
1210-CAP	1210C 22UF	1210C 22UF	C9, C10		2
0603-CAP	0603C 10UF	0603C 10UF	C11, C17, C24, C31		4
0603-CAP	0603C 1UF	0603C 1UF	C12, C20, C23		3
0603-CAP	0603C 10NF	0603C 10NF	C13, C14, C15, C16, C18, C19, C32		7
0603-CAP	0603C 100NF	0603C 100NF	C21, C25, C26, C28		4
1210-CAP	1210C 100UF	1210C 100UF	C30		1
0603-CAP	0603C 68PF	0603C 68PF	C33		1
0603-LED	LEDR	0603 LEDR	D1, D4		2
0603-LED	LEDG	0603 LEDG	D2		1
0603-LED	0603 LEDG	0603 LEDG	D3, D5, D6		3
ESD_USB	ESD_USB	ESD_USB	E1		1
ESD_RS	ESD_RS	ESD_RESET	E2		1
Inductor	Inductor 470NH	Inductor 470NH	L1		1
0603- FemItBead	CBF 102WB	Ferrite Bead	L2		1
Inductor	Inductor 4U7H	Inductor 4U7H	L3		1
2_PINS_2.54	2pins_connector	2pins_connector	P1, P2, P3	Bat_connector	3
4_PINS_2.54	SWD	4pins_connector	P4		1
3_PINS_2.54	3pins_connector	3pins_connector	P5		1
0805-RES	0805R 5K1R	0805R 5K1R	R1, R2		2
0603-RES	0603R 1KR	0603R 1KR	R3, R5		2
0603-RES	0603R 1K07R	0603R 1K07R	R6		1
0603-RES	0603R 46K4R	0603R 46K4R	R7		1
0603-RES	0603R 10KR	0603R 10KR	R8, R16, R17, R18		4
0603-RES	0603R 1K5R	0603R 1K5R	R9, R10, R23, R24		4
0805-RES	0805R 100KR	0805R 100KR	R11, R13		2
0805-RES	0805R 453KR	0805R 453KR	R12	Tactile Switch SPST-NO Top Actuated Surface Mount	1
0603-RES	0603R 1R	0603R 1R	R14, R29, R30, R31, R32		5
0603-RES	0603R 100R	0603R 100R	R15		1
0603-RES	0603R 47R	0603R 47R	R19, R20		2
0603-RES	3KR	0603R 3KR	R21, R22		2
0603-RES	0603R NC	0603R NC	R25, R26, R27, R28		4
*SW_PTS81	PTS810	PTS810_SJM_2	SW1		1
0_SMTR_LFS		50_SMTR_LFS			
1_PIN_2.54	1pin_connector	1pin_connector	T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14	OR Controller Source Selector Switch N-Channel 2:1 8-TSSOP	14
*SOP65P640	TPS2111APW	TPS2111APW	U1		1
X120-8N					
*QFN50P300	BQ24079TRGTR	BQ24079TRGTR	U2		1
X300X100-17N					
SON50P150X	TPS62822	TPS62822	U3		1
100_HS-9N					
QFN50P700X	EFM32PG12_po	EFM32PG12	U4		1
700X90_HS-49N					
*QFN-16_0.5MM	MMA8452Q	MMA8452Q	U5	Accelerometer X, Y, Z Axis , 2g, 4g, 8g 0.78Hz ~ 400Hz 16-QFN_3x3 CAM-M8 RF Receiver BeiDou, GLONASS, GNSS, GPS 1.575GHz -167dBm On-Board, Chip Module	1
SAMM8Q010	SAM-M8Q-0-10	SAM-M8Q-0-10	U6		1
XB24CAPIT-001	XB3-C-A1-UT-001	XB3-C-A1-UT-001	U7		1
					100

Approved	Notes