



Title		
Size	Number	Revision
A3		
Date:	2014/5/6	Sheet of
File:	G:\USB_miner_\Foundation.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	Quantity	Value	Voltage
1uF	Capacitor (Semiconductor SIM Model)	C1, C16, C21, C23	CAPC1005L	4	1uF	6V
4.7uF	Capacitor (Semiconductor SIM Model)	C2, C17, C19, C22, C24	CAPC1608L	5	4.7uF	6V
0.22uF	Capacitor (Semiconductor SIM Model)	C3	CAPC1608L	1	0.22uF	25V
0.1uF	Capacitor (Semiconductor SIM Model)	C4, C6, C9, C10, C15, C20, C25, C26	CAPC1005L	8	0.1uF	16V
47uF	Capacitor (Semiconductor SIM Model)	C5	CAPC3216L	1	47uF	10V
47uF	Capacitor (Semiconductor SIM Model)	C7, C8	CAPC3216L	2	47uF	6V
0.22uF	Capacitor (Semiconductor SIM Model)	C11	CAPC1005L	1	0.22uF	16V
10nF	Capacitor (Semiconductor SIM Model)	C12	CAPC1005L	1	10nF	16V
3.3nF	Capacitor (Semiconductor SIM Model)	C13	CAPC1005L	1	3.3nF	16V
4.7uF	Capacitor (Semiconductor SIM Model)	C14	LLA21	1	4.7uF	
1000pF	Capacitor (Semiconductor SIM Model)	C18	CAPC3216L	1	1000pF	2000V
10pF	Capacitor (Semiconductor SIM Model)	C27, C28	CAPC1005L	2	10pF	50V
22uF	Capacitor (Semiconductor SIM Model)	C29	CAPC2012L	1	22uF	6V
TP		C, CK, GND, GND2, GND3, RST, RXD, SWCK, SWIO, TXD, U_OUT, VCC, VCORE, XCLK	TP	13		
Inductor	Inductor	L1	MLP2520	1	1R0	
IHLP4040DZ11	Inductor	L2	IHLP2525	1	R47	
LED RGB SMD		LED1	LED3528RGB	1		
MB	MB	M1, M2, M3	RESC1005L	3	MB	
Socket	Socket	MASK1, MASK2	MASK_LT	2		
BSS138	N-channel Enhancement Mode Field-effect Transistor	Q1	SOT23_N	1		
1K	Resistor	R1, R3, R4, R6, R7, R8, R9, R12, R20	RESC1005L	9	1K	
100K	Resistor	R2, R30, R31	RESC1005L	3	100K	
NC	Resistor	R5, R14	RESC1005L	2	NC	
100R	Resistor	R10	RESC1005L	1	100R	
1.5K	Resistor	R11	RESC1005L	1	1.5K	
33R	Resistor	R13, R15	RESC1005L	2	33R	
5K	Resistor	R16	RESC1005L	1	5K	
11.3K	Resistor	R17, R22	RESC1005L	2	11.3K	
1M	Resistor	R18	RESC1608L	1	1M	
9.1K	Resistor	R19, R23	RESC1005L	2	9.1K	
1.13K	Resistor	R21	RESC1005L	1	1.13K	
3.6K	Resistor	R24	RESC1005L	1	3.6K	
200R	Resistor	R25, R28, R29	RESC1005L	3	200R	
470R	Resistor	R26, R27	RESC1005L	2	470R	
MASKTEST		TPM1	MASKTEST	1		
LPC111U1x	32-bit ARM Cortex-M0 microcontroller	U1	HVQFN33	1		
TP5S1462	3.3-V/5-V Input, 6-A, D-CAP+? Mode Synchronous Step-Down Integrated FETs Conv	U2	S-PVQFN-N24	1		
LDO	600mA, Ultra-Low Dropout, CMOS Regulatorout Bypass Capacitor CMOS LDO Regulator	U3, U5, U6	SOT23-5AL	3		
A3233	A3233 40nm mining chip	U4	QFN50P700X700-48V4N	1		
TMP102		U7	SOT563	1		
1470695-1	USB 1.1, Right Angle, SMT, A Type, Plug, 4 Position, Natural	USB1	1470695_MOD	1		
Crystal		XTAL1	XO2520	1	12M	