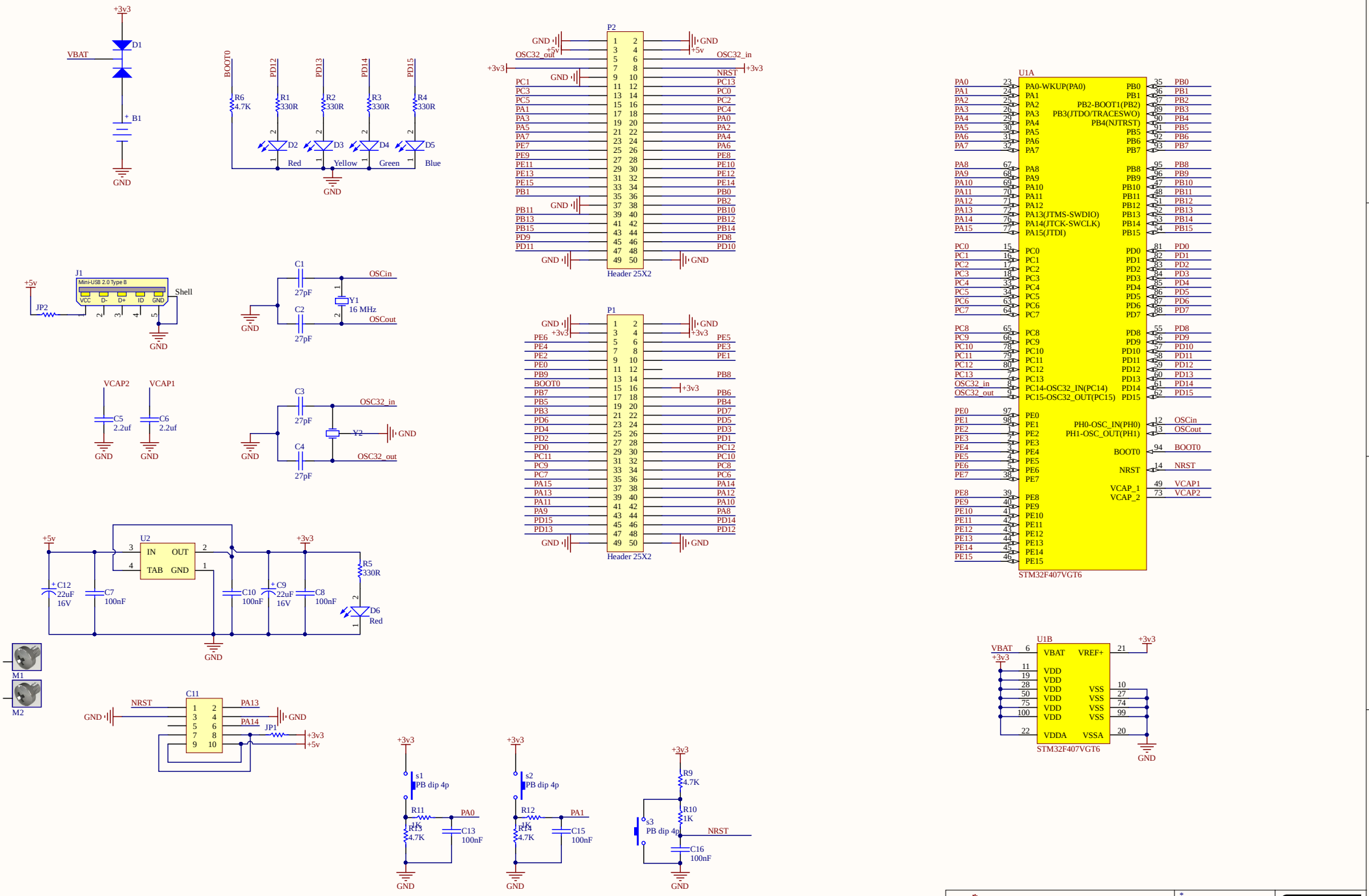

Title *			
Size: A3	Number:*	Revision:*	
Date: 29/03/2019	Time: 06:22:40 PM	Sheet * of *	
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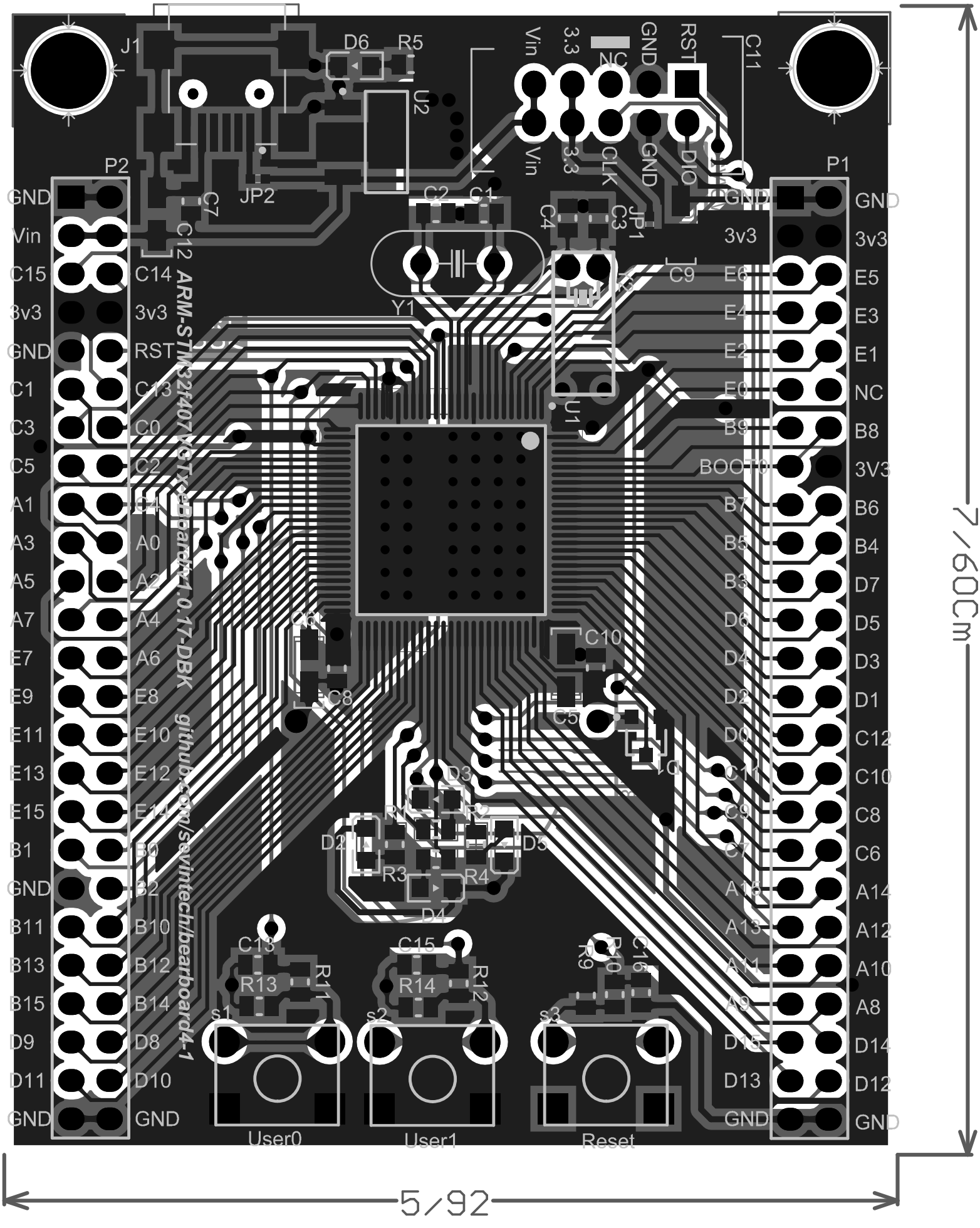
Altium


ARM-STM32f407VGTx-Board-v1.0.17-DBK
github.com/sayintech/bearboard4-1
P1
P2
J1
JP1
JP2
U1
U2
Y1
D1
D2
D3
D4
D5
D6
R1
R2
R3
R4
R5
R9
R10
R11
R12
R13
R14
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C15
C16
s1
s2
s3
User0
User1
Reset
Vin
3.3
NC
GND
RST
CLK
DIO
3v3
BOOT0
7/60Cm
5/92

Comment	Description	Designator	Footprint	LibRef	Quantity
	Battery Holder WA-BCPH, Battery Type: 2450p	B1	79578211	79578211	1
27pF	Bipolar Capacitor	C1, C2, C3, C4	SMD_CAP_0805	Cap-Bipolar	4
2.2uf	Bipolar Capacitor	C5, C6	CAPP 1206 (3216X18L) Size A	Cap-Bipolar	2
100nF	Bipolar Capacitor	C7, C8, C10, C13, C15, C16	SMD_CAP_0805	Cap-Bipolar	6
22uF	Polar Capacitor	C9, C12	CAPP 1206 (3216X18L) Size A	Cap-Polar	2
WE-2,54mm_Box Header 61201021621	WR-BHD 2.54mm Male Box Header	C11	61201021621	WE-2,54mm_Box Header 61201021621	1
	Low-Loss RF Switching Diode	D1	SOT-23	BAT18-05	1
150080YS75000	WL-SMCW SMD Mono-color Chip LED Waterclear, size 0805, Yellow	D2, D3, D4, D5, D6	WL-SMCW_0805	150080YS75000	5
65100516121	WR-COM Mini USB 2.0 Type B SMT Horizontal 5 Contacts	J1	65100516121	65100516121	1
0	Resistor	JP1, JP2	RES 0402 (1005X04L)	Resistor	2
Screw3mm	Board Screw With Spacer 3mm	M1, M2	Board Screw 3mm	Board Screw 3mm	2
Header 25X2	Header, 25-Pin, Dual row	P1, P2	HDR2X25	Header 25X2	2
330R	Resistor	R1, R2, R3, R4, R5	RES 0805 (2012X06L)	Resistor	5
4.7K	Resistor	R6, R9, R13, R14	RES 0805 (2012X06L)	Resistor	4
1K	Resistor	R10, R11, R12	RES 0805 (2012X06L)	Resistor	3
PB dip 4p	Push Button - 4pin - 5mm - 6*6*5	s1, s2, s3	Switch - Push to On	Switch PB	3
STM32F407VGT6	ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 82 I/Os, 100-pin LQFP, -40 to 85 degC, Tray	U1	STM-LQFP100_N	STM32F407VGT6	1
LM1117IMP-x.x	x.x Volt, 800mA Low-Dropout Linear Regulator, 4-pin SOT-223	U2	MP04A_N	LM1117IMP-x.x	1
16 MHz	XTAL Crystal	Y1	XTAL Small	XTAL	1
11.0592 MHz	XTAL Crystal	Y2	XTAL RTC - H - GND	XTAL_Crystal_GND	1