

BQ24315 更换封装或芯片，
如TPS79133

MIC5332更换封装或芯片，
如TPS79133

didn't use the IO-MCU, so don't need the power.
FMU-VDD_3V3 — IO-VDD_3V3

Power Select, all the power source

- VDD_SERVO_IN
- IO-VDD_5V5
- VDD_3V3_SPEKTRUM
- IO-VDD_3V3
- VDD_5V_IN
- VDD_3V3_SENSORS
- FMU-VDD_3V3
- VDD_5V_HIPOWER
- VDD_5V_PERIPH

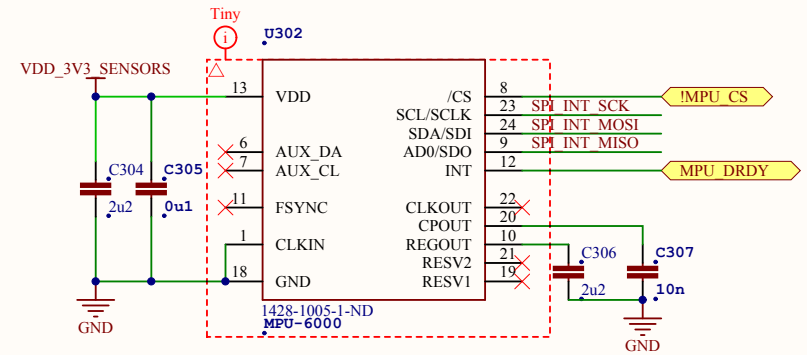
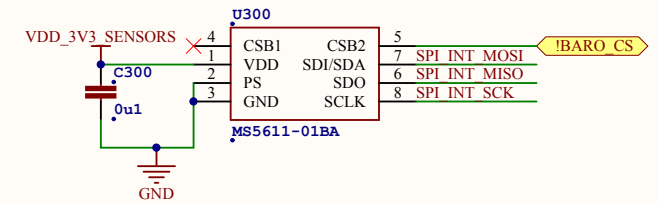
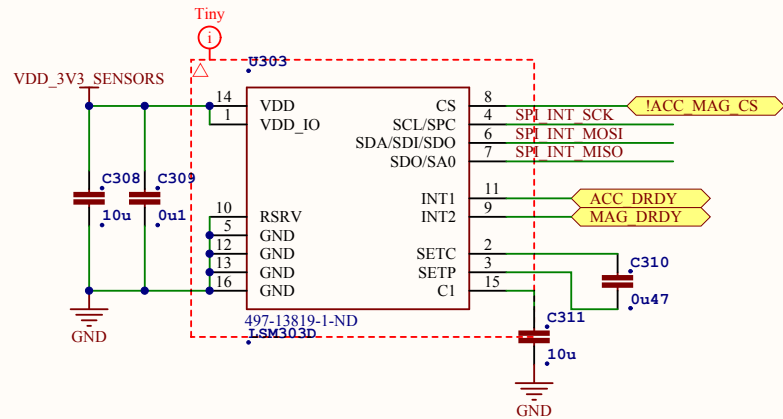
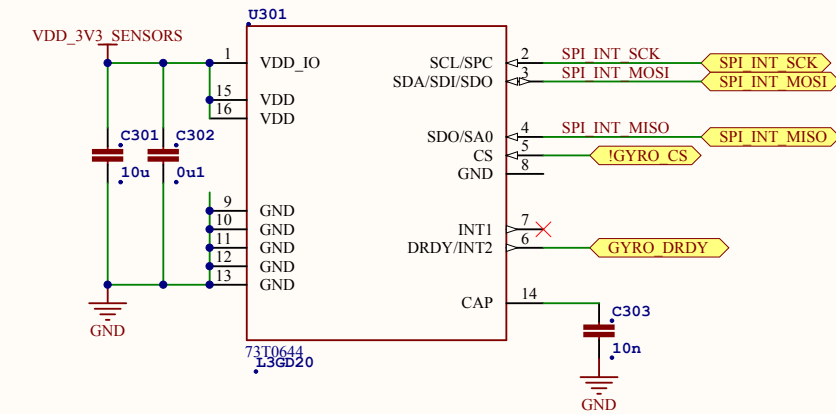
Title: power. SchDoc	
Drawn by: 元岳鑫	
Date: 2017/06/29 @ 19:01	
Sheet: 2 / 6	Alfa 0.1

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L3GD20(gyro)
LSM303D(acc mag)
MPU6000(acc gyro)
MS5611(baro)

Title: sensors. SchDoc

Drawn by: 元岳鑫

Date: 2017/06/29 @ 19:01

Sheet: 3 / 6

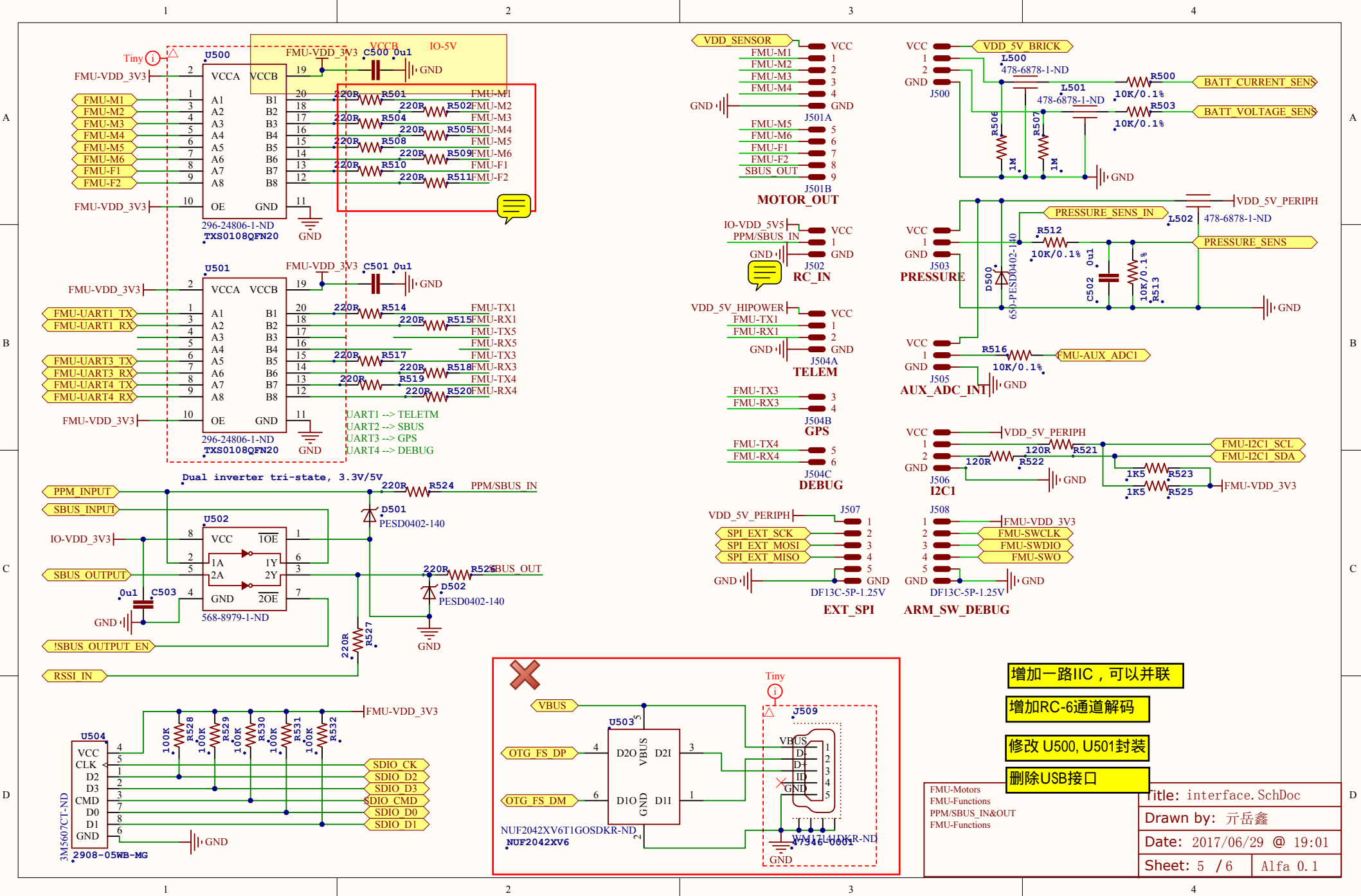
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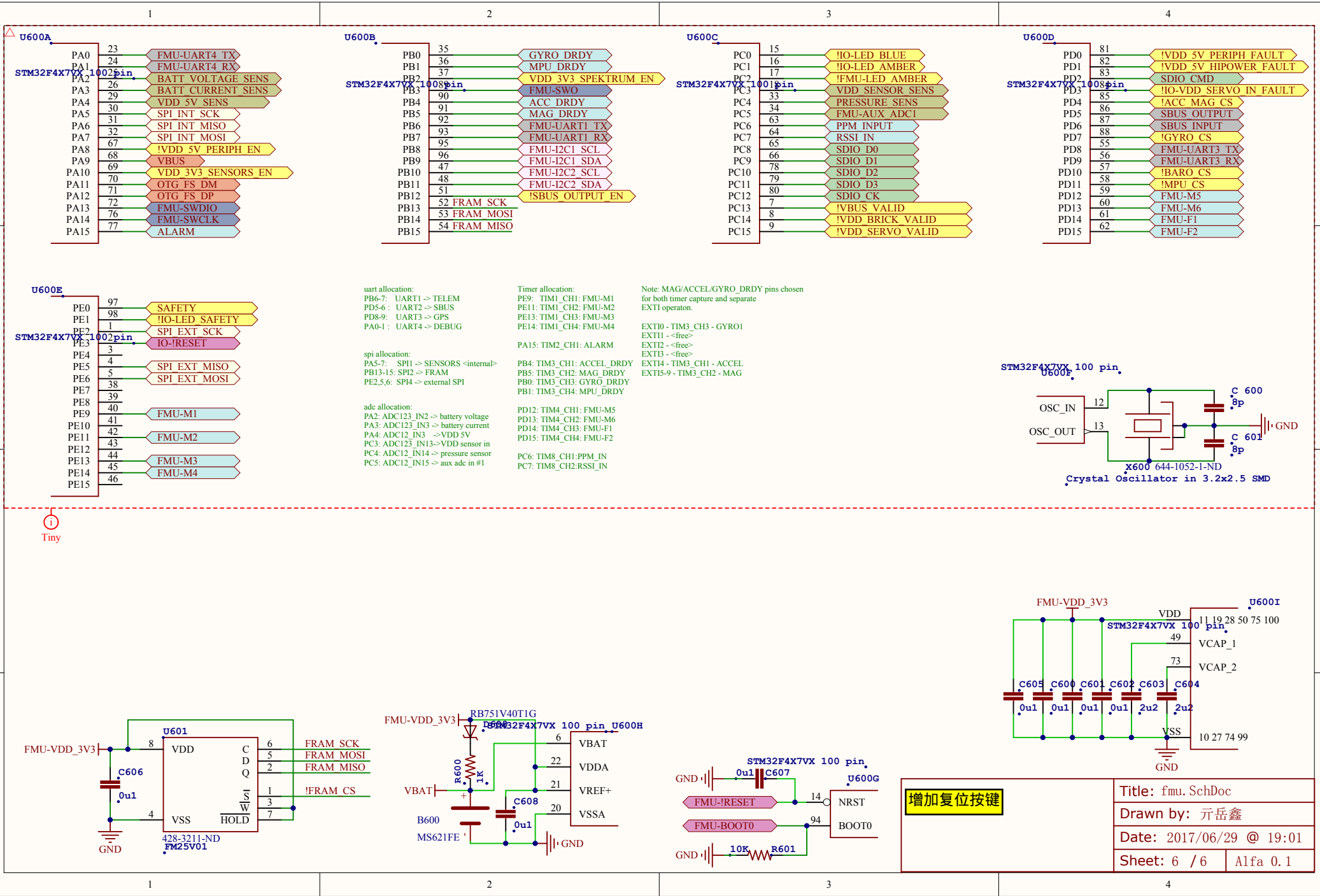
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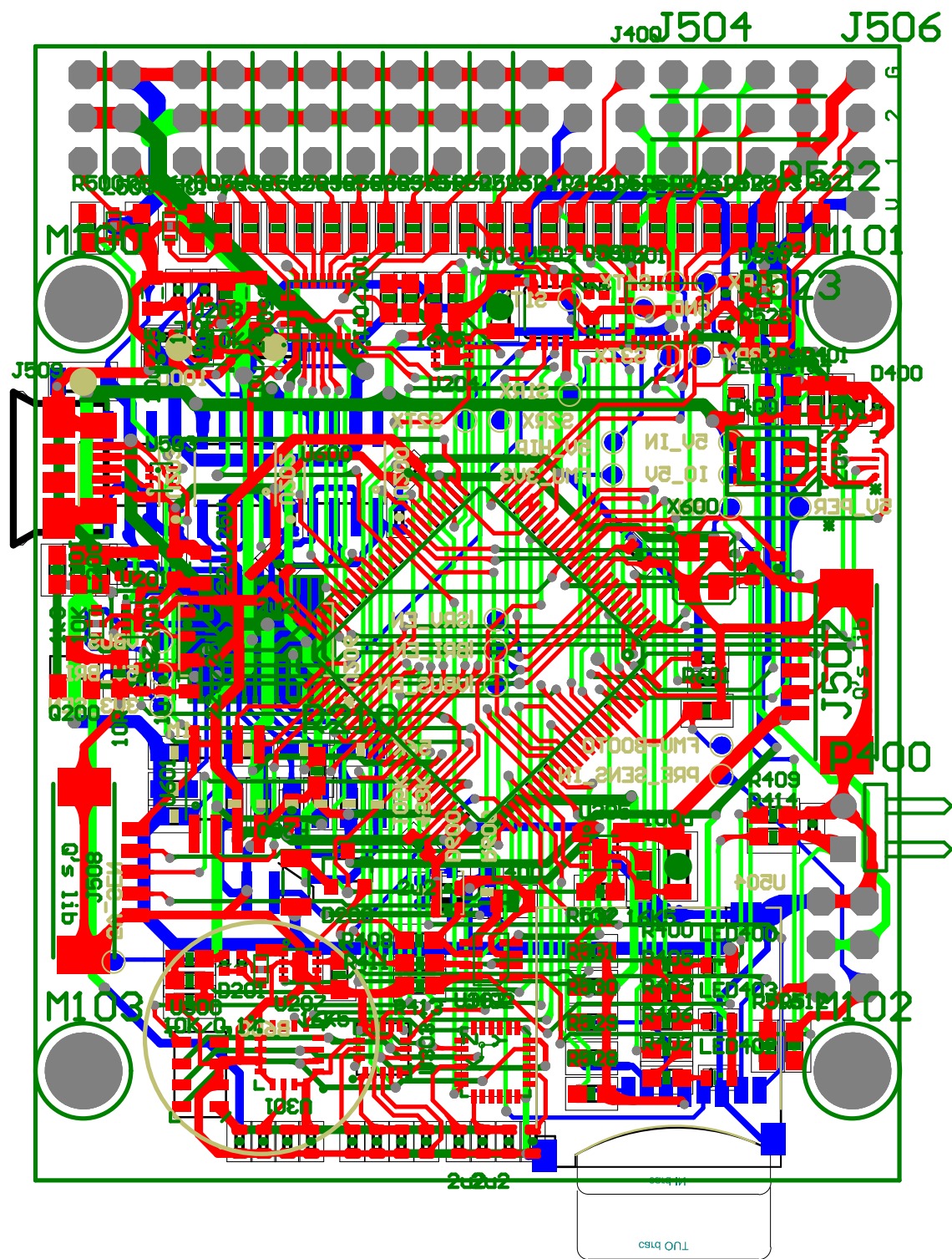
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Bill of Materials

Your title

Source Data From: qfc_Alfa1.0.PrjPcb

Project: qfc_Alfa1.0.PrjPcb

Variant:	None
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Creation Date: 2018/1/8 17:51:45

Print Date:	43106	43106.74
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Partnumber	Component	Label	Designator	Description	Quantity
PAD 04X04	PAD04	PAD04	BR1 EN BRV1 EN VBUS EN RV3 SEN V BRV 5V HP 5V V1 PER V5 10V 10V FMM V3V GND GND GND GND PRE SENS IN SRX SR1X SR2X S7X S30X S37X S47X VBUS	VBUS VALID VDD BRICK VALID VDD SERVO VALID FMMVDD V3V 10V VDD V3V PRESSURE VBUS IN VDD V3V SENSORS VDD 5V BRICK VDD 5V HPOWER VDD 5V V1 VDD V5 PERIOD VDD HPOWER	1
MS2E1FE	MS2E1FE	MS2E1FE		MS Lithium Rechargeable Battery	1
0603-CAP	0603-CAP	CAP003	C200, C202, C204, C206, C208, C212, C214, C206, C208, C206, C208, C200, C200, C200, C202, C203, C200, C201, C202, C206, C206, C207, C208	CAP CER 2.2UF 16V 10% XES 0603	23
1206-CAP	100u	CAP1206	C201, C203, C211, C214, C215	CAP CER 100UF 16V 20% XGR 1206	1
0603-CAP	1u	CAP0603	C205, C218, C201	CAP CER 2.2UF 16V 10% XES 0603	3
0805	22u25V	CAP0805	C207, C209	CAP CER 2.2UF 16V 10% XGR 0805	1
0603-CAP	10u	CAP0603	C213, C221, C303, C307	CAP CER 2.2UF 16V 10% XES 0603	3
0805	10u25V	CAP0805	C213, C217, C220	CAP CER 2.2UF 16V 10% XGR 0805	1
0603-CAP	2u2	CAP0603	C218, C304, C306, C303, C304	CAP CER 2.2UF 16V 10% XES 0603	3
0603-CAP	0.4u7	CAP0603	C301, C308, C311	CAP CER 2.2UF 16V 10% XES 0603	3
0603-CAP	0.4u7	CAP0603	C313, C402	CAP CER 2.2UF 16V 10% XES 0603	3
0603-CAP	5u6	CAP0603	C403	CAP CER 2.2UF 16V 10% XES 0603	3
0603-CAP	5u6	CAP0603	C403	CAP CER 2.2UF 16V 10% XES 0603	3
S0723-A	PME02G05CT	PME02G05CT	C500, C 601	DIODE SCHOTTKY 20V 500MA T0236AB	1
0402-TVS	DIODE-TVS	DIODE-TVS	C207, C202, C403, D500, D501, D502	DIODE 14V40V 40VDC 40V	1
S0D323	Schottky diode	SCHOTTKY-DIODE		DIODE SCHOTTKY 30V 0.3A S0D323	1
PTC-1206	02X40C08FF2G	PTC1206	F200	PTC RESTRICT 0.35A 16V CHIP 1206	1
HRD3HX1	HRD X31	HRD X31	M000, J502, J503, J505	Header 3X1 pins	1
HRD3HX2	HRD X32	HRD X32		Header 3X2 pins	1
HRD3HX3	HRD X33	HRD X33		Header 3X3 pins	1
HRD3HX4	HRD X34	HRD X34		Header 3X4 pins	1
HRD3HX5	HRD X35	HRD X35		Header 3X5 pins	1
1.25X5P	DF13C-5P	DF13C-5P	C207, J508	DF13C-5P 1.25mm	2
MOLEX	1.25V	1.25V		MICRO USB B, BOTTOM MOUNT	1
474K-0001	474K-0001	474K-0001	DF13C-4X7346		1
474K-0001	474K-0001	474K-0001			1
XYCERRA-KON18-0A	Kyocera	HM19C104DAS	C200, L201, L500, L501, L502	FILTER CAP 0.1UF 2A 25V 0603	1
0605-ND	LED	LED0603R0805	L600	FRED ND 47UM 170MA 41 C RM	1
0605-ND	AMBER	LED0603, LED402		LED 1.60V 0.06 OM CLEAR SMD	2
0605-ND	GREEN	LED0603	LED0603, LED402	LED 1.60V 0.06 OM CLEAR SMD	2
0605-ND	MOUNT:	MOUNT:	C200	LED 1.60V 0.06 OM CLEAR SMD	2
0605-ND	LED0603	MOUNT:	M100, M101, M102, M103	LED 1.60V 0.06 OM CLEAR SMD	2
HRD1HX1	Header 1.8MM	Header 1.8MM		Header 2, Right Angle	1
S0723-BEC	MMB17300-3M	MMB17300-3M	F200	TRANSISTOR SWITCHING PNP SOT-23	1
0603-RES	1u8	RESISTOR0603	R200	RES 10 OHM 1/10W 5% 0603	1
0603-RES	10R	RESISTOR0603	R201	RES 10 OHM 1/10W 5% 0603	1
0603-RES	10R	RESISTOR0603	R202, R203, R219, R220, R407, R413, R415, R401	RES 10 OHM 1/10W 5% 0603	1
0603-RES	1M	RESISTOR0603	R204, R205, R206, R506, R507	RES 10 OHM 1/10W 5% 0603	1
0603-RES	453K	RESISTOR0603	R207, R208, R213, R408	RES 10 OHM 1/10W 5% 0603	1
0603-RES	59K	RESISTOR0603	R209, R211, R216	RES 10 OHM 1/10W 5% 0603	1
0603-RES	0R	RESISTOR0603	R210	RES 10 OHM 1/10W 5% 0603	1
0603-RES	105K	RESISTOR0603	R212, R215, R218	RES 10 OHM 1/10W 5% 0603	1
0603-RES	10K0.1%	RESISTOR0603	R214, R217, R220, R224, R225, R226, R500, R501, R512, R513, R516	RES 10 OHM 1/10W 5% 0603	11
0603-RES	18K5	RESISTOR0603	R221, R222, R223, R409	RES 10 OHM 1/10W 5% 0603	1
0603-RES	220R	RESISTOR0603	R400, R401, R402, R403, R404, R405, R406, R407, R502, R504, R505, R508, R509, R510, R511, R514, R515, R517, R518, R519, R520, R524, R526, R527	RES 10 OHM 1/10W 5% 0603	24
0603-RES	68R	RESISTOR0603	R410	RES 10 OHM 1/10W 5% 0603	1
0603-RES	90R	RESISTOR0603	R411	RES 10 OHM 1/10W 5% 0603	1
0603-RES	1K5	RESISTOR0603	R412, R523, R525	RES 10 OHM 1/10W 5% 0603	1
0603-RES	100K	RESISTOR0603	R414, R528, R529, R530, R531, R532	RES 10 OHM 1/10W 5% 0603	1
0603-RES	120R	RESISTOR0603	R521, R522	RES 10 OHM 1/10W 5% 0603	1
0603-RES	1K	RESISTOR0603		RES 10 OHM 1/10W 5% 0603	1
S008	MPF732	PMOSFET_02	DUAL DUAL DUAL	PMOSFET 2P-CH 2.5V 3A CHIFFET	1
MLF-8EPAD	MC1532	DUAL MC1532	U201, U208	C REG LDO 3.3V 0.3A 8TALF	1
QFN-DSG	BQ24151	BQ24151	U204, U205	C LH+ CHARGER FRONT END 8SON	2
DSOP	TC44212PM2V	TC44212PM2V	U207	C INVERTER Delay Priority Supply From Three inputs	1
QFN-DSG	BQ24151	BQ24151	U207	C LH+ CHARGER FRONT END 8-SON	2
MS2811-0A	MS2811-01BA	MS2811-01BA		Sound Motor Pressure Sensor	1
1B5A	LSG20	LSG20	J301	Sensor, Low-power, Three-axis, Angular rate	1
QFN-24	MPU-6000	MPU-6000		GYROACCELEROMETER 6AXIS 24QFN	1
LSM303D	LSM303D	LSM303D	J303	Accelerometer, 3D Magnetometer	1
P-LCC-6	UR18-FTGT-29H-RS-49L-1	MULTI-LEDS		MLD LEDs	1
SON10	TC44272A	TC44272A	U401	3 Channel Constant Current LED Driver	1
S0723-A	TM4569	TM4569	U402	C AMP DRV RATED 1.3Mhz T0232-B	1
QFN-DSG	N72108FN2N	N72108FN2N	U500, U501	C INVERT VOLTLVL 8B 8BDR 200FN	2
TSOP-8	Dual inverter 1N	74VCG240-2	U502	C N-ATVAT LVD 4-6NP7 8T50CP	1
TSOP-8	74VCG240-2	74VCG240-2			1
MS063A	NUP2424V6	NUP2424V6	U504	C FILTER USB ESD PROTECT S0743S	1
MS063A	2068-05W-B	MICROSSDS12	U503	CONN MICRO SD CARD PUSH-PUSH	1
TOPF100	STM32F34VXX	STM32F34VXX	U601	REV 3 Silicon or later C MCU ARM2MB	1
TOPF100	100 pin	100 pin		C FRAM 128MBIT 40Mhz 85IOC	1
OSCILLATO	Crystal	OSCILLATOR	U601	CRYSTAL 24MHz 8PFF 5MD	1
R-3.2E5	3.2x5 SMD	3.2x5 SMD			1

Approved	Notes	21
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