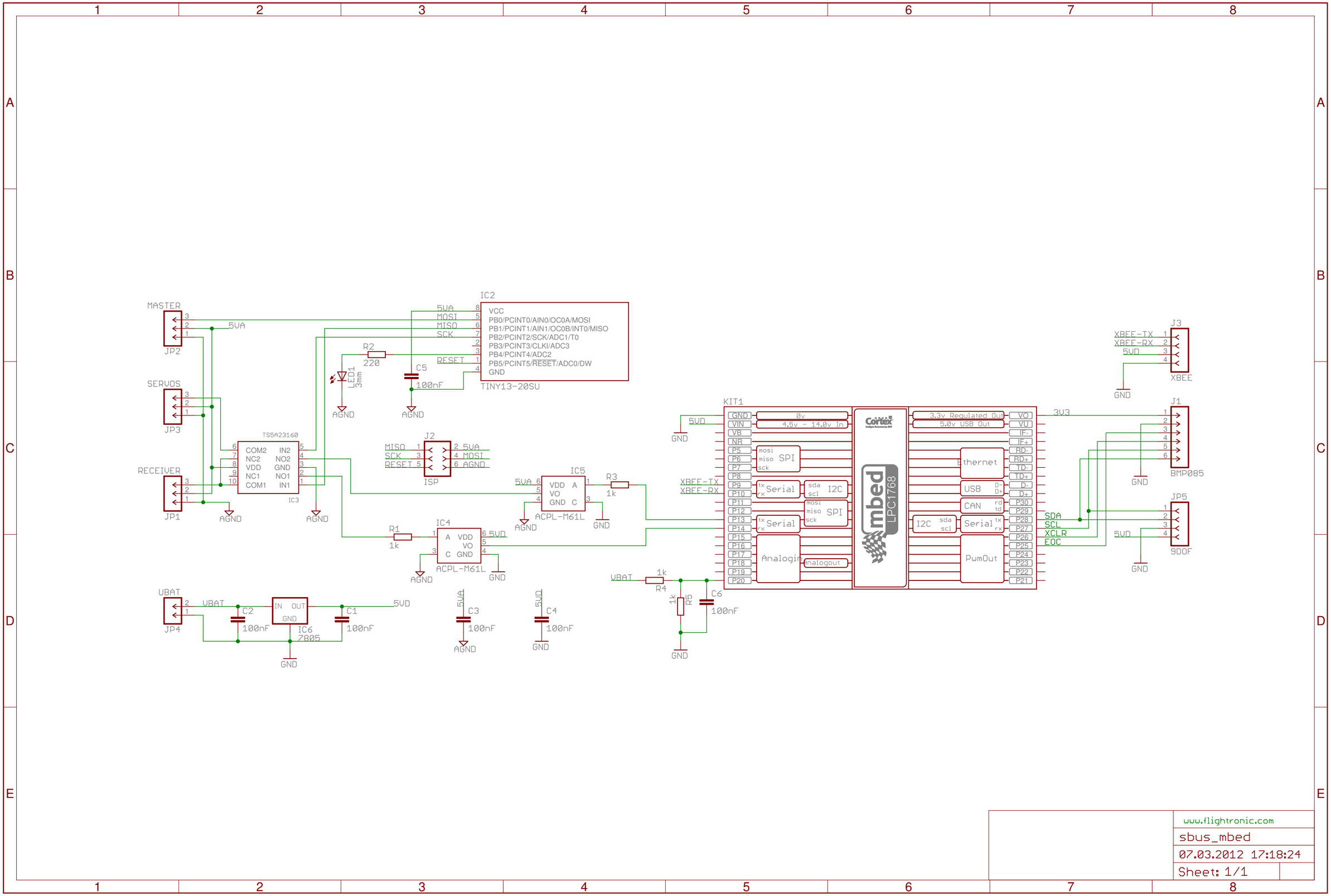
MASTER
JP2
SERVOS
JP3
RECEIVER
JP1
UBAT
JP4
TS5A23160
COM2 IN2
NC2 NO2
VDD GND
NC1 NO1
COM1 IN1
IC3
IC2
VCC
PB0/PCINT0/AIN0/OC0A/MOSI
PB1/PCINT1/AIN1/OC0B/INT0/MISO
PB2/PCINT2/SCK/ADC1/T0
PB3/PCINT3/CLKI/ADC3
PB4/PCINT4/ADC2
PB5/PCINT5/RESET/ADC0/DW
GND
TINY13-20SU
R2
220
LED1
3mm
C5
100nF
J2
MISO
SCK
RESET
ISP
IC5
VDD A
VO
GND C
ACPL-M61L
R3
1k
IC4
A VDD
VO
C GND
ACPL-M61L
R1
1k
C2
100nF
IC6
7805
C1
100nF
C3
100nF
C4
100nF
R4
1k
R5
1k
C6
100nF
KIT1
GND
VIN
VB
NR
P5
P6
P7
P8
P9
P10
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0v
4.5v - 14.0v In
SPI
Serial
I2C
Analogin
Analogout
Cortex
mbed
LPC1768
3.3v Regulated Out
5.0v USB Out
VO
VU
IF-
IF+
RD-
RD+
TD-
TD+
D-
D+
P30
P29
P28
P27
P26
P25
P24
P23
P22
P21
Ethernet
USB
CAN
I2C
Serial
PwmOut
J3
XBEE-TX
XBEE-RX
XBEE
J1
BMP085
JP5
SDOF
SDA
SCL
XCLR
EOC
5VA
5VD
3V3
VBAT
AGND
GND
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Sheet: 1/1