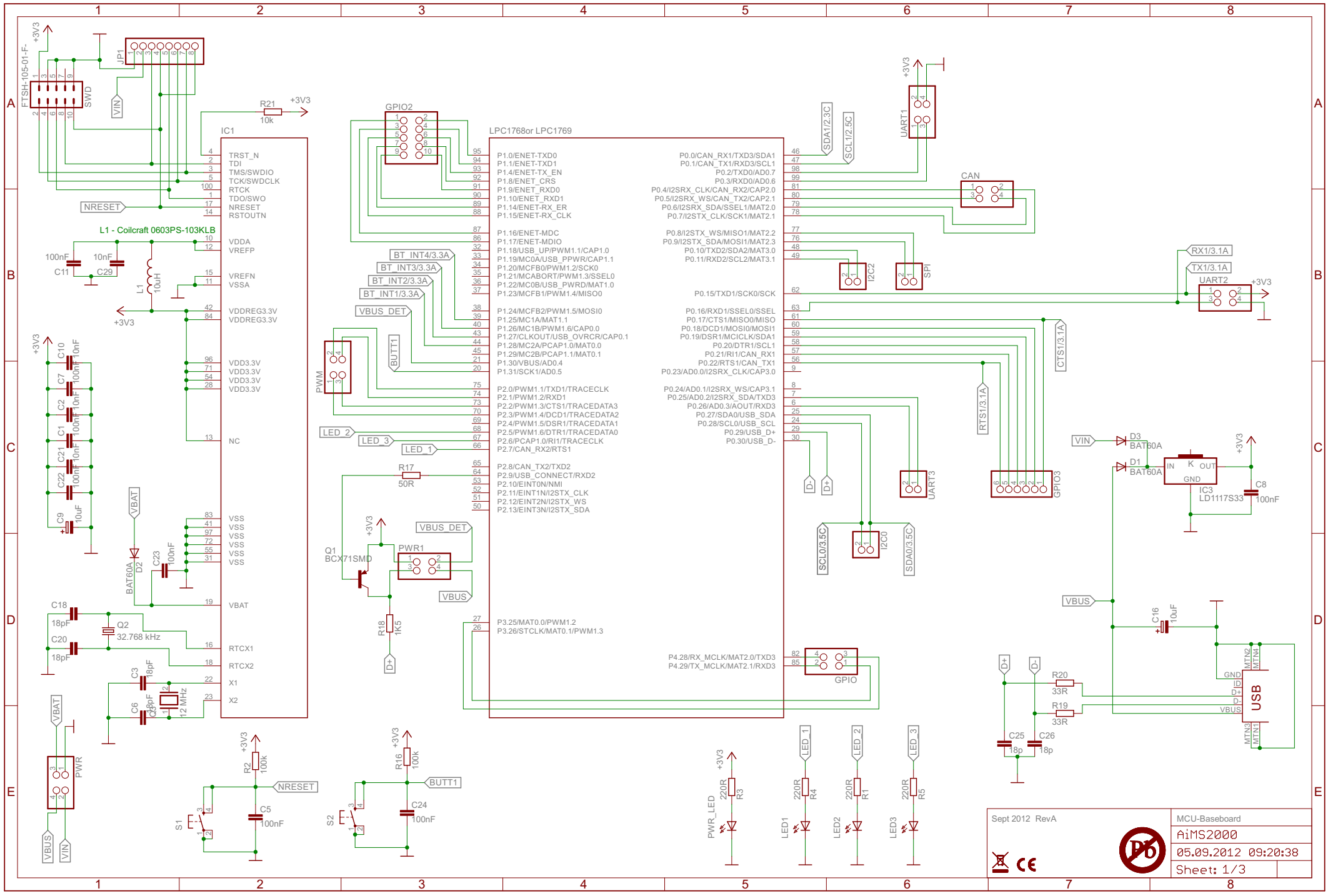

FTSH-105-01-F-
SWD
JP1
VIN
+3V3
R21
10k
IC1
TRST_N
TDI
TMS/SWDIO
TCK/SWDCLK
RTCK
TDO/SWO
NRESET
RSTOUTN
L1 - Coilcraft 0603PS-103KLB
VDDA
VREFP
VREFN
VSSA
VDDREG3.3V
VDD3.3V
NC
VSS
VBAT
RTCX1
RTCX2
X1
X2
100nF
10nF
C11
C29
L1
10uH
C10
C7
C2
C1
C21
C22
C9
10uF
BAT60A
D2
C23
C18
18pF
C20
Q2
32.768 kHz
C3
C6
C8
12 MHz
PWR
VBUS
R2
100k
C5
S1
R16
C24
S2
GPIO2
LPC1768or LPC1769
P1.0/ENET-TXD0
P1.1/ENET-TXD1
P1.4/ENET-TX_EN
P1.8/ENET_CRS
P1.9/ENET_RXD0
P1.10/ENET_RXD1
P1.14/ENET-RX_ER
P1.15/ENET-RX_CLK
P1.16/ENET-MDC
P1.17/ENET-MDIO
P1.18/USB_UP/PWM1.1/CAP1.0
P1.19/MC0A/USB_PPWR/CAP1.1
P1.20/MCFB0/PWM1.2/SCK0
P1.21/MCABORT/PWM1.3/SSEL0
P1.22/MC0B/USB_PWRD/MAT1.0
P1.23/MCFB1/PWM1.4/MISO0
P1.24/MCFB2/PWM1.5/MOSI0
P1.25/MC1A/MAT1.1
P1.26/MC1B/PWM1.6/CAP0.0
P1.27/CLKOUT/USB_OVRCR/CAP0.1
P1.28/MC2A/PCAP1.0/MAT0.0
P1.29/MC2B/PCAP1.1/MAT0.1
P1.30/VBUS/AD0.4
P1.31/SCK1/AD0.5
P2.0/PWM1.1/TXD1/TRACECLK
P2.1/PWM1.2/RXD1
P2.2/PWM1.3/CTS1/TRACEDATA3
P2.3/PWM1.4/DCD1/TRACEDATA2
P2.4/PWM1.5/DSR1/TRACEDATA1
P2.5/PWM1.6/DTR1/TRACEDATA0
P2.6/PCAP1.0/RI1/TRACECLK
P2.7/CAN_RX2/RTS1
P2.8/CAN_TX2/TXD2
P2.9/USB_CONNECT/RXD2
P2.10/EINT0N/NMI
P2.11/EINT1N/I2STX_CLK
P2.12/EINT2N/I2STX_WS
P2.13/EINT3N/I2STX_SDA
P3.25/MAT0.0/PWM1.2
P3.26/STCLK/MAT0.1/PWM1.3
P0.0/CAN_RX1/TXD3/SDA1
P0.1/CAN_TX1/RXD3/SCL1
P0.2/TXD0/AD0.7
P0.3/RXD0/AD0.6
P0.4/I2SRX_CLK/CAN_RX2/CAP2.0
P0.5/I2SRX_WS/CAN_TX2/CAP2.1
P0.6/I2SRX_SDA/SSEL1/MAT2.0
P0.7/I2STX_CLK/SCK1/MAT2.1
P0.8/I2STX_WS/MISO1/MAT2.2
P0.9/I2STX_SDA/MOSI1/MAT2.3
P0.10/TXD2/SDA2/MAT3.0
P0.11/RXD2/SCL2/MAT3.1
P0.15/TXD1/SCK0/SCK
P0.16/RXD1/SSEL0/SSEL
P0.17/CTS1/MISO0/MISO
P0.18/DCD1/MOSI0/MOSI1
P0.19/DSR1/MCICLK/SDA1
P0.20/DTR1/SCL1
P0.21/RI1/CAN_RX1
P0.22/RTS1/CAN_TX1
P0.23/AD0.0/I2SRX_CLK/CAP3.0
P0.24/AD0.1/I2SRX_WS/CAP3.1
P0.25/AD0.2/I2SRX_SDA/TXD3
P0.26/AD0.3/AOUT/RXD3
P0.27/SDA0/USB_SDA
P0.28/SCL0/USB_SCL
P0.29/USB_D+
P0.30/USB_D-
P4.28/RX_MCLK/MAT2.0/TXD3
P4.29/TX_MCLK/MAT2.1/RXD3
BT_INT4/3.3A
BT_INT3/3.3A
BT_INT2/3.3A
BT_INT1/3.3A
VBUS_DET
BUTT1
PWM
LED_2
LED_3
LED_1
R17
50R
Q1
BCX71SMD
PWR1
VBUS
R18
1K5
D+
D-
SDA1/2.3C
SCL1/2.5C
UART1
CAN
I2C2
SPI
RX1/3.1A
TX1/3.1A
UART2
CTS1/3.1A
RTS1/3.1A
UART3
GPIO3
SCL0/3.5C
I2C0
SDA0/3.5C
GPIO
D3
BAT60A
D1
BAT60A
IC3
LD1117S33
C8
100nF
C16
10uF
R20
33R
R19
33R
C25
18p
C26
18p
USB
MTN2
MTN4
MTN3
MTN1
GND
ID
PWR_LED
R3
220R
LED1
R4
LED2
R1
LED3
R5
Sept 2012 RevA
MCU-Baseboard
AiMS2000
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