

USBXLATER-20131021 part list

Sch Ref	Name	Value	Rating	Footprint	Suggested
USBD	micro USB jack				10118194-0001LF from FCI
USBH	USB A jack				73725-0110BLF from FCI
U1	microcontroller			TQFP-64	STM32F205RGT6 from ST
Y1	crystal	24 MHz	under +/- 100 PPM for stability and tolerance	3.2x2.5mm SMD	7M-24.000MAAJ-T from TXC
LED1, LED2, LED3, LED4	LED			0603	generic
SW1	switch				B3U-1100P-B from Omron
IC1	voltage regulator	+3.3V		SOT-223	LM1117, +3.3V version, generic mfg
JP1	male header			8 pos, 0.1" pitch	generic
JP2	male header			3 pos, 0.1" pitch	generic
JP2	jumper shunt block			0.1" pitch	generic
C1, C2, C14	capacitor, tantalum	4.7uF	10V	1206	generic
C3, C4	capacitor, ceramic	22pF		0603	generic
C5, C6, C7, C8, C9	capacitor, ceramic	100nF		0603	generic
C11, C13	capacitor, ceramic	2.2uF		0603	generic
R1, R11, R12	resistor, chip	15K Ω		0603	generic
R2	resistor, chip	1.5K Ω		0603	generic, optional
R3, R4, R5, R6	resistor, chip	22 Ω		0603	generic
R7, R8, R9, R10	resistor, chip	1K Ω		0603	generic