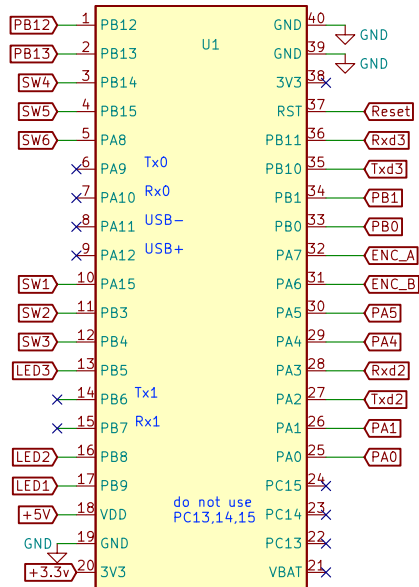


STM32F103C8Tx Blue Pill Module EBAY



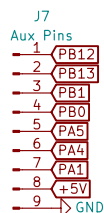
HDR100IMP40F-G-V-TH-ND
.100 40 pin female header (2 EACH)

Circuit powered from Blue Pill USB port

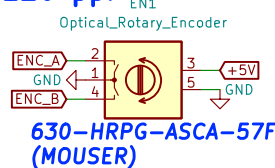
Should be connected to PC port of KXPA100

Connect computer usb port to usb port of the Blue Pill

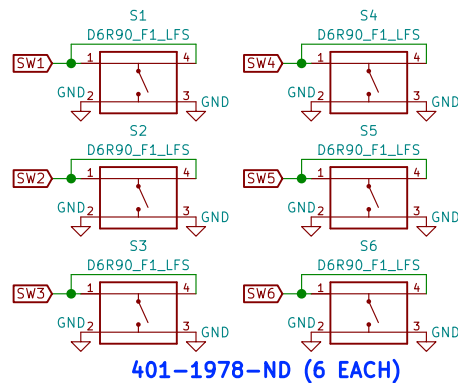
AUX PINS



OPTICAL ENCODER 120 ppr



SWITCHES

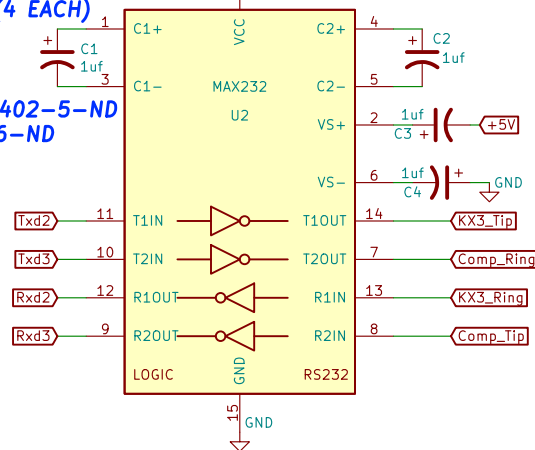


401-1978-ND (6 EACH)

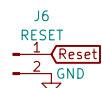
TTL/RS232

493-17436-1-ND
(4 EACH)

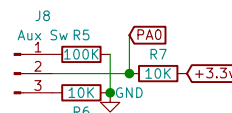
296-1402-5-ND
ED3016-ND



RESET

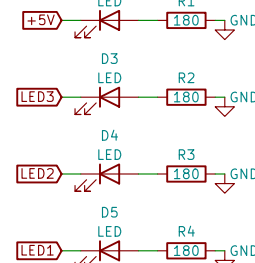


AUX SWITCH



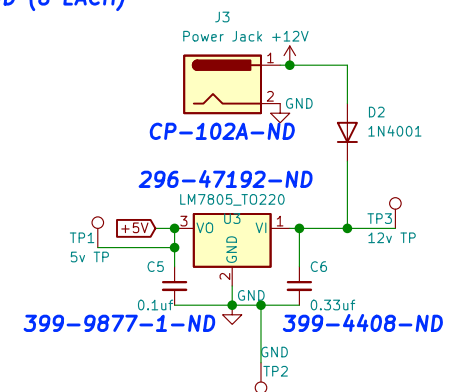
LED's

CF14JT180RCT-ND (6 EACH)



160-1852-ND (4 EACH)

POWER SUPPLY



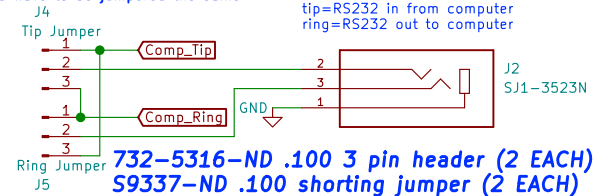
Input/Output

tip=RS232 out to KX3
ring=RS232 in from KX3



CP1-3523N-ND (2 EACH)

tip=RS232 in from computer
ring=RS232 out to computer



732-5316-ND .100 3 pin header (2 EACH)
59337-ND .100 shorting jumper (2 EACH)

**All P/Ns Digikey
except for encoder**

Rxd Tx
Serial: PA10 PA9
Serial1: PB7 PB6
Serial2: PA3 PA2
Serial3: PB11 PB10

**NOTE: DO NOT USE THE 12V CONNECTOR
IF THE BLUE PILL IS POWERED THROUGH USB.**

WB2ART / Ken Kaplan

Sheet: /
File: KX3ExtTuningKnob.sch

Title: KX3 External Tuning Knob with Switches

Size: USLetter Date: 2020-08-28

KiCad E.D.A. kicad (5.1.6)-1

Rev: 1.0

Id: 1/1