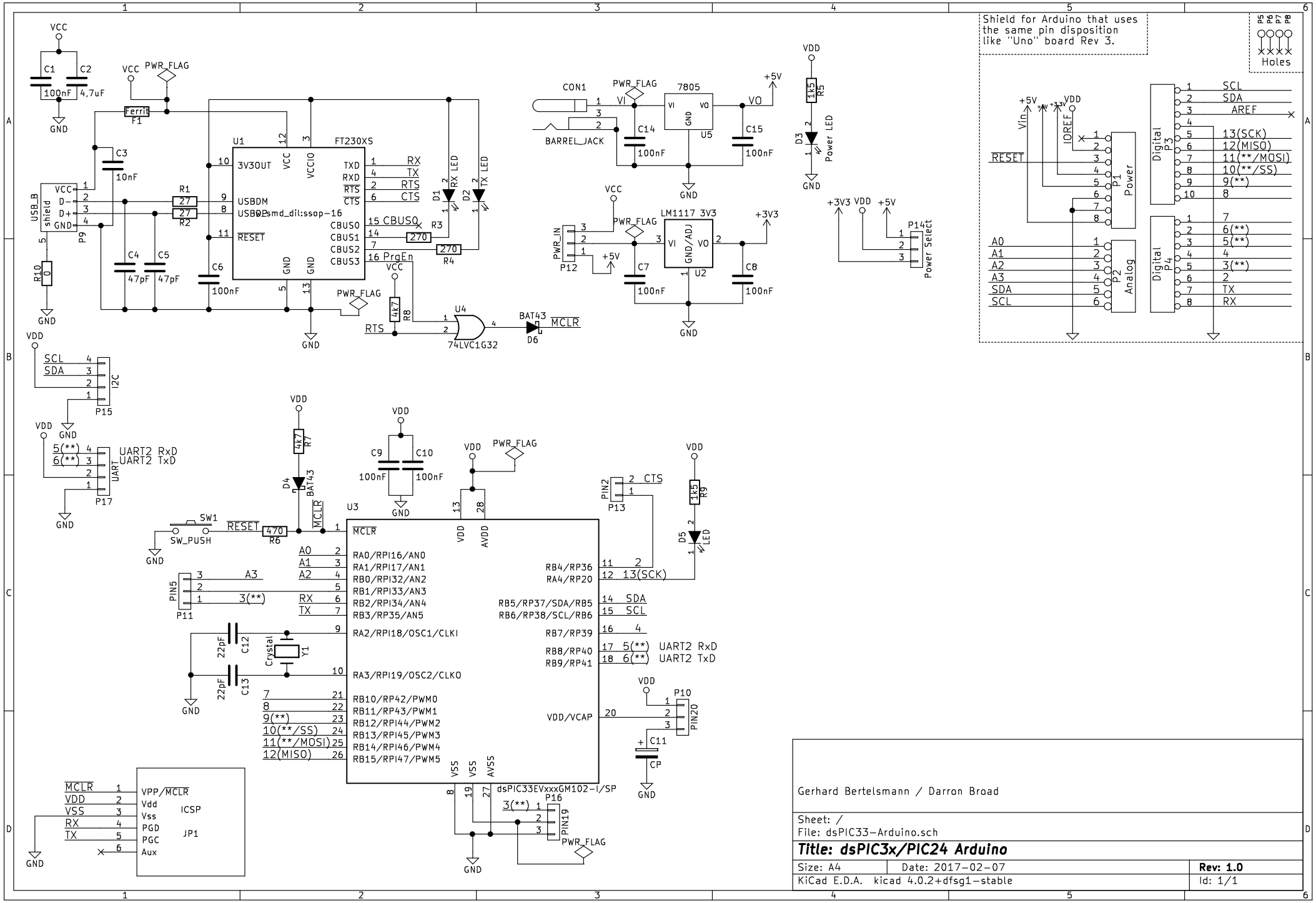
Shield for Arduino that uses the same pin disposition like "Uno" board Rev 3.
Holes
U1 FT230XS
3V3OUT VCC VCCIO TXD RXD RTS CTS USBDM USBDP RESET CBUS0 CBUS1 CBUS2 CBUS3 GND
usbdpsmd_dil:ssop-16
RX TX RTS CTS CBUS0 PrgEn
USB_B VCC D- D+ GND shield
R1 27 R2 27 R3 270 R4 270 R10 0
C1 100nF C2 4,7uF C3 10nF C4 47pF C5 47pF C6 100nF
Ferrit F1
PWR_FLAG
D1 RX LED D2 TX LED
CON1 BARREL_JACK
7805 U5 VI VO GND
C14 100nF C15 100nF
D3 Power LED R5 1k5
LM1117 3V3 U2 VI VO GND/ADJ
C7 100nF C8 100nF
PWR_IN P12
P14 Power Select
U4 74LVC1G32
R8 4k7 BAT43 D6 MCLR
P1 Power
P2 Analog
Digital P3
Digital P4
SCL SDA AREF 13(SCK) 12(MISO) 11(**/MOSI) 10(**/SS) 9(**) 8 7 6(**) 5(**) 4 3(**) 2 TX RX
A0 A1 A2 A3 SDA SCL RESET
P15 I2C
P17 UART
UART2 RxD UART2 TxD
R7 4k7 D4 BAT43 MCLR
C9 100nF C10 100nF
SW1 SW_PUSH RESET R6 470
U3 dsPIC33EVxxxGM102-I/SP
MCLR VDD AVDD VSS AVSS
RA0/RPI16/AN0 RA1/RPI17/AN1 RB0/RPI32/AN2 RB1/RPI33/AN3 RB2/RPI34/AN4 RB3/RP35/AN5 RA2/RPI18/OSC1/CLKI RA3/RPI19/OSC2/CLKO
RB10/RP42/PWM0 RB11/RP43/PWM1 RB12/RPI44/PWM2 RB13/RPI45/PWM3 RB14/RPI46/PWM4 RB15/RPI47/PWM5
RB4/RP36 RA4/RP20 RB5/RP37/SDA/RB5 RB6/RP38/SCL/RB6 RB7/RP39 RB8/RP40 RB9/RP41 VDD/VCAP
PIN2 P13 PIN5 P11 PIN20 P10 PIN19 P16
Crystal Y1 22pF C12 22pF C13
D5 LED R9 1k5
C11 CP
ICSP JP1 VPP/MCLR Vdd Vss PGD PGC Aux
Gerhard Bertelsmann / Darron Broad
Sheet: /
File: dsPIC33-Arduino.sch
Title: dsPIC3x/PIC24 Arduino
Size: A4 Date: 2017-02-07 Rev: 1.0
KiCad E.D.A. kicad 4.0.2+dfsg1-stable Id: 1/1