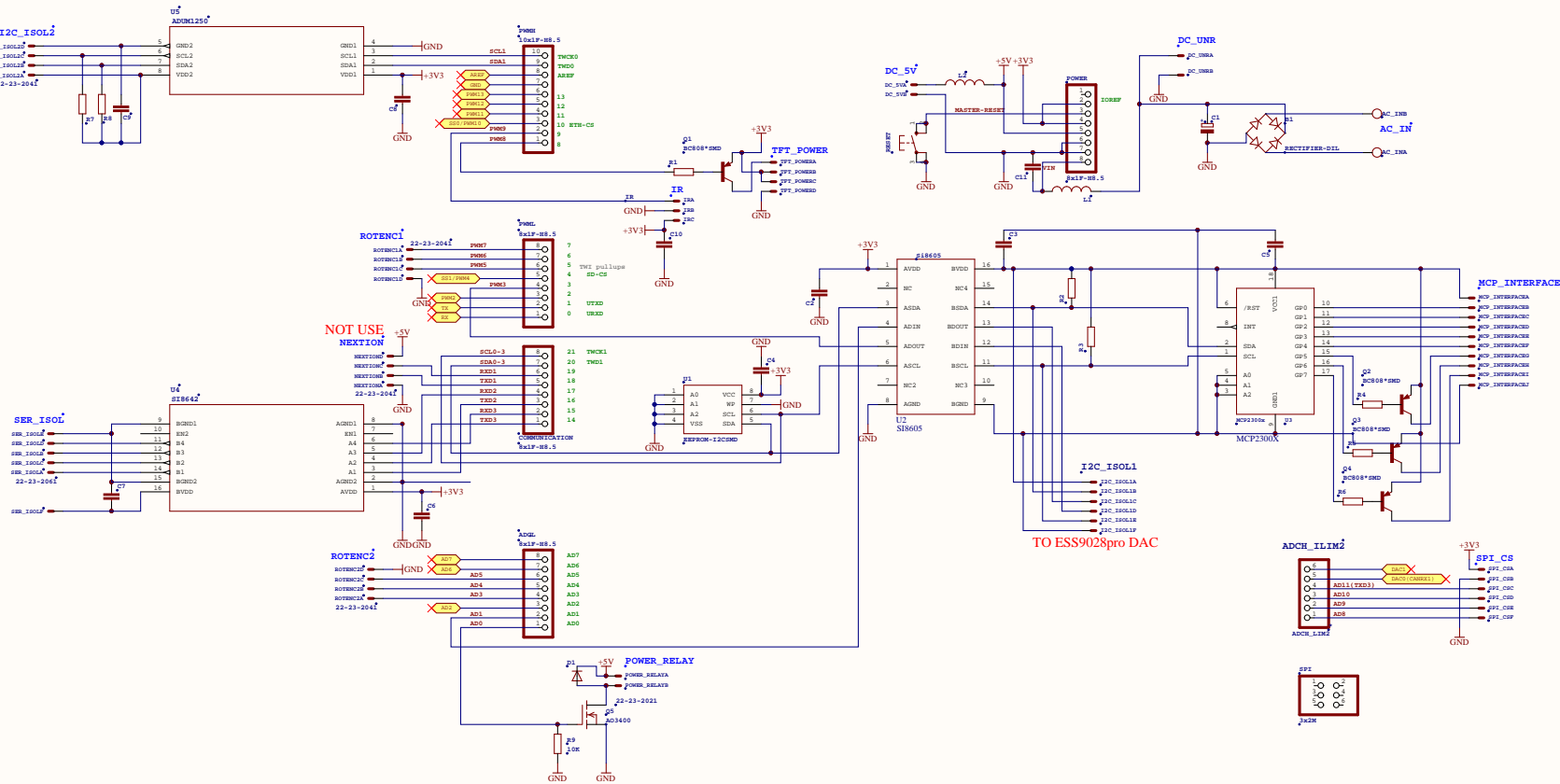


ARDUINO DUE UNIVERSAL DIGITAL SIGNAL ISOLATOR SHIELD



TextUI Bill of Materials, Rev. 1.2

PCB PART	VALUE	NOTES
U1	24LC256 SO-8	EEPROM chip
U2	588605 SOIC-16	I2C Isolator
U3	MCP23008 SO-18W	8 input/output port expander
U4	Si8642 QSOP-16	Serial port isolator
U5	ADUM1250 SOIC-8	I2C Isolator
Q1	BC807, BC808 or other equivalent	PNP SOT-23
Q2	BC856, BC808 or other equivalent	TFT backlight control
Q3	BC856, BC808 or other equivalent	port expander transistor
Q4	BC856, BC808 or other equivalent	port expander transistor
Q5	AO3400/AP2334GN or other equivalent N-Channel MOSFET SOT-23	power relay mosfet
B1	Bridge rectifier 1A DB107 DIP-4	
C1	1000uF 16V	
C2	100n 1206	
C3	100n 1206	
C4	100n 1206	
C5	100n 1206	
C6	100n 1206	
C7	100n 1206	
C8	100n 0805	
C9	100n 0805	
C10	100n 1206	
C11	100n 1206	
R1	8.2K 1206	
R2	2K 1206	pull-up resistor (optional)
R3	2K 1206	pull-up resistor (optional)
R4	5.1K 1206	
R5	5.1K 1206	
R6	5.1K 1206	
R7	2K 0805	pull-up resistor (optional)
R8	2K 0805	pull-up resistor (optional)
R9	8.2K 1206	
R10	10K 1206	
D1	1N9001 DO214BA	
L1	Ferrite Bead, low DC resistance,	
3216	Ferrite Bead, low DC resistance,	
3216	Ferrite Bead, low DC resistance,	
Reset	PCB-mount momentary switch	