










Arlok Shield REV1 components list

Part	Value	Notes
C1	100nF multilayer	5mm pitch
C2	100nF multilayer	5mm pitch
C3	1000µF 16V electrolytic	3.5mm pitch - 8mm dia.
C4	100nF multilayer	5mm pitch
C5	100nF multilayer	5mm pitch
C6	100nF multilayer	5mm pitch
C7	220µF 16V electrolytic	2.5mm pitch – 6mm dia.
R1	15kΩ ¼W	  
R2	22kΩ ¼W	  
R3	330Ω ¼W	  
P1	Tactile switch	6x6mm - long pushbutton advised
D1	1N4007 diode	Any 1N400x is good
P2	Tactile switch	6x6mm - long pushbutton advised
RESET	Tactile switch	6x6mm
VR1	5kΩ ÷ 20kΩ trimmer	6x6mm
L1	3mm led	
H1	Male pinheader 10pin	See note (1)
H2	Male pinheader 8pin	See note (1)
H3	Male pinheader 5pin	See note (1)
H4	Male pinheader 4pin	See note (1)
EXT	Male pinheader 7pin	
EXT2	Male pinheader 3pin	
EXT3	Male pinheader 3pin	
EXT4	Male pinheader 3pin	
HC-SR04	Male pinheader 4pin	
I2C	Male pinheader 4pin	Optional
J1/COMM	Female pinheader 6pin	
JP1	Male pinheader 3pin+jumper	
JSW/POWER	Male pinheader 2pin+jumper	Or 2.54mm pitch lever switch
LEFT_SERVO	Male pinheader 3pin	
RIGHT_SERVO	Male pinheader 3pin	
OLED	Female pinheader 4pin	
X1	Screw terminal 2pin	5mm pitch
X2	Screw terminal 2pin	5mm pitch
GROVE	Grove male header	Optional

Notes

- (1) Common male headers are 11mm long and have to be soldered from top of the shield with longer part going down toward the Arduino board. Those common headers are good only when you're using a compatible Arduino UNO R3 board don't having the USB type B connector and, preferably, don't having the barrel jack connector. You can use the Arlok shield with common headers on adviced boards (some of them can require the barrel jack removing) or using it on genuine Arduino UNO R3 and similar but soldering longer headers (at least 15mm).