



Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	C-1206 3216	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11	C-1206	C-1206	11
CON-4P-2.54	Connector-4P-2.54	CS_1, CS_2, CS_3, CS_4, CS_5, My Rio1	CON-4P-2.54	CON-4P-2.54	6
LED	Typical INFRARED GaAs LED	D1	0805LED	LED0	1
LED0	Typical INFRARED GaAs LED	D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13	0805LED	LED0	12
Diode 1N4007	1 Amp General Purpose Rectifier	D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37	C-1206	Diode 1N4007	24
Header 8X2	Header, 8-Pin, Dual row	ENC1	HDR2X8	Header 8X2	1
CON-3P-2.54	Connector-3P-2.54	HW_1, HW_2, HW_3, JP1, JP2, JP3, JPA, JPQ, JPZ	CON-3P-2.54	CON-3P-2.54	9
CON2		J2, J3	DG1282	CON2	2
CON-10P-2.54	Connector-10P-2.54	JP4, JP5, JP6, JP7	CON-10P-2.54	CON-10P-2.54	4
CON-6P-2.54	CON-6P-2.54	JP8, JP9, JP10, JP11, JP12, JP13	CON-6P-2.54	CON-6P-2.54	6
DC-POWER		JP22	POWER	POWER	1
SW2X3		KEY1	SW-2X3	SW-2X3	1
Arduino-pro	Arduino-pro	mcu1	Arduino-pro	Arduino-pro	1
Header 2X2	Header, 2-Pin, Dual row	My Rom1, P2, P3, P4	HDR2X2	Header 2X2	4
Header 3	Header, 3-Pin	P5, P6, P7, P8	CON-3P-2.54	Header 3	4
PORT-A	Header, 17-Pin, Dual row	PORT-A1, PORT-A2	HDR2X17	Header 17X2	2
PORT-B	Header, 17-Pin, Dual row	PORT-B1, PORT-B2	HDR2X17	Header 17X2	2
Power12V-5V		PU1	Power12V-5V	Power12V-5V	1
Res2	Resistor	R1, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41	0805R	Res2	39
TLP281-4	TLP281-4	TLP1, TLP2, TLP3, TLP4	TLP281-4	TLP281-4	4
MHDR2X8	Header, 8-Pin, Dual row	TLY1	HDR2X8	MHDR2X8	1
74LS04		U1	SO-14	74LS04	1
L298N	Dual Full Bridge Driver	U2, U3, U4	LM298	L298N	3