



Comment	Description	Designator	Footprint	LibRef	Quantity	Value
Arduino Diecimila/Duemilanove <p>Make a shield with ease, this package has all the named pins as well as the two mounting drill holes and an outline of the USB and DC power connector. The outline is on the DIMENSION layer, so if your board house uses it they will cut the outline to match. <p> http://www.ladyada.net/library/pcb/eaglelibrary.html		Arduino Uno Template	ARDUINO	ARDUINO_0	1	
2.2uF	Capacitor (Semiconductor SIM Model)	C1, C11, C14, C15, C16, C17	J1-0603	Cap Semi	6	2.2uF
10uF	Capacitor (Semiconductor SIM Model)	C2, C4, C5, C7, C10, C12, C13, C22	J1-0603	Cap Semi	8	10uF
0.1uF	Capacitor (Semiconductor SIM Model)	C6, C8, C26, C32, C34, C43, C45	J1-0603	Cap Semi	7	0.1uF
0.01uF	Capacitor (Semiconductor SIM Model)	C9	J1-0603	Cap Semi	1	0.01uF
0.1nF	Capacitor (Semiconductor SIM Model)	C18	J1-0603	Cap Semi	1	0.1nF
1.5nF	Capacitor (Semiconductor SIM Model)	C19	J1-0603	Cap Semi	1	1.5nF
10nF	Capacitor (Semiconductor SIM Model)	C20	J1-0603	Cap Semi	1	10nF
10pF	Capacitor (Semiconductor SIM Model)	C21	J1-0603	Cap Semi	1	10pF
1uF	Capacitor (Semiconductor SIM Model)	C23, C25, C31, C33, C42, C44	J1-0603	Cap Semi	6	1uF
POLARIZED CAPACITOR ., American symbol		C24	153CLV-0605	CPOL-US153CLV-0605	1	
4.7nF	Capacitor (Semiconductor SIM Model)	C27, C28, C29, C30, C35, C36, C37, C38, C39, C40, C41	J1-0603	Cap Semi	11	4.7nF
Diode	Default Diode	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22	J1-0603	Diode	22	
B72590D50H260	ESD Suppressors 0402 90Vdc 0.6pF CerDiod CD52C05SHDMI2	ESD_S1, ESD_S2, ESD_S3, ESD_S4, ESD_S5, ESD_S6, ESD_S7, ESD_S8, ESD_S9, ESD_S10, ESD_S11	CD1005-0402	B72590D50H260	11	
Pin header 1x1 for 0.1" spacing <p>With round pins		JP1, JP2, JP3, JP4, JP5, JP6, JP7, JP8, JP9, JP11, JP12, JP13, JP14, JP15, JP17	1X01	PINHD-1X1	15	
DAISY_BUS		JP10	1X09-BIG	PINHD-1X9	1	
ELECTRODES		JP16	1X14-CB	PINHD-1X14	1	
SG-615P 2.0480MCO	Standard Clock Oscillators 2.048MHz 5.0Volts 100ppm -20C +70C	OSC1	50J508P920X470-4M	SG-615P 2.0480MCO	1	
17K	Resistor	R1	J1-0603	Res3	1	17K
10K	Resistor	R2, R3, R5, R6, R7, R8, R9	J1-0603	Res3	7	10K
1M	Resistor	R4	J1-0603	Res3	1	1M
5K	Resistor	R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20	J1-0603	Res3	11	5K
ADUM6010ARSZ	Digital Isolators 3.75kV RMS Intg DC/DC Converter	U1	SOL-20_M	ADUM6010ARSZ	1	
LM2664M6	LM2664M6Voltage Regulators - Switching Regulators SWITCHED CAPACITOR VLTG CONVERTER	U2	SOT26A-6M	LM2664M6	1	
TPS72325DBVT	LDO Voltage Regulators 200mA Low Noise High-PSRR	U3	SOT23-5AM	TPS72325DBVT	1	
SI8462BB-B-IS1	Digital Isolators 6 Ch 2.5kV Isolator 150M 6/2	U4	SOIC127P600-16M	SI8462BB-B-IS1	1	
NCP6995N25T1G	LDO Voltage Regulators CMOS LDO 150mA 2.5V	U5, U6	SOT23-5AM	NCP6995N25T1G	2	
NC7WZ17P6	Buffers & Line Drivers UHS Dual Buffer w/Schmitt Trigger	U7	SOT26A-6AM	NC7WZ17P6	1	
ADS1299	ADS1299, Low-Noise	U8	PAG64_M	ADS1299	1	