

AT88Microbase BOM

Qty	Reference	Value	Description	Case	Manufacturer PN
CAPACITOR					
2	C125-126	20pF	Ceramic	0603	GRM1885C1H200JA01D
1	C164	150pF	Ceramic	0603	C1608C0G1H151J
1	C151	1nF	Ceramic	0603	C0603X7R500-102KNE
1	C102	10nF	Ceramic	0603	C0603X7R500-103JNE
1	C163	15nF		0603	ECJ1VB1H153K
1	C184	220nF	Ceramic	0603	GRM188R71A224KA01D
5	C117 C119	0.1uF	Ceramic	0603	C0603Y5V250-104ZNE
	C121		Ceramic	0603	
	C123-124		Ceramic	0603	
4	C101 C103	1uF		0603	C0603Y5V250-105ZNE
	C120 C172		Ceramic	0603	
1	C118	10uF	Ceramic	0805	C0805X5R6R3-106KNE
RESISTOR					
1	R1	0	1/16 W	0603	CR0603-16W-000T
2	R180-181	22	1/16 W	0603	CR0603-16W-220JT
3	R3 R6-R7	180	1/16 W	0603	CR0603-16W-181JT
4	R103-105, R171	825	1/16 W	0603	CRCW0603825RFKEA
1	R183	1.5K	1/16 W	0603	CR0603-16W-152JT
1	R144	4.7K	1/16 W	0603	CR0603-16W-472JT
1	R172	3.92K	1/16 W	0603	ERJ3EKF3921V
2	R151 R184	47K	1/16 W	0603	CRCW060347K0FKEA
1	R2	DNI	1/16 W	0603	
2	R4, R5	0	1/16 W	0402	CR0402-16W-000T
IC					
1	IC2	-	ATMEL AVR	64 PIN QFN	AT90USB647-64QFN
1	Y121	16MHz	Crystal	SMD	ABM3B-16.000MHZ-B2-T
1	U1	3.3V	Regulator	SOT-23-5	MIC5219-3.3YM5 TR
1	U6	-	ATMEL CryptoCompanion	8ld SOIC	ATSC018-SU-CM
DIODE					
1	LEDP	BLUE	LED	0603	MB1111C-TR
3	LED1-3	RED	LED	0603	BR1111C-TR
2	D181-182	-	ESD Suppressor	0603	PGB1010603MR
1	D1	DIODE	Schotkky	SOD-323	NSR1020MW2T1G
1	D2	DIODE	Schotkky	SOD-123	MBR0520L
MISC					
1	USB	WM17117-ND	TYPE A	USB RT ANG.	48037-0001
1	L161	-	Ferrit Bead	0603	MI0603J601R-10
1	Q1	NPN	Transistor	SOT23-3	MMBTA42LT1G
1	H2	0.1" Pitch	JTAG	2x5 Male Header RA	TSW-105-16-L-D-RA
1	J1	0.1" Pitch	PORT-D Interface	2x5 Male Header	PBC05DAAN
1	B121	-	Buzzer	SMD	SMT-0540-S-R
2	B151	-	Push Button	SMD	PTS635SL25SMTR LFS
1	K1	-	DPDT switch	SMD	CAS-220TA