







karabas-pro-revD

Ref	Q-ty	Value	Footprint
BT1,	1	3V	CR2032 Battery holder
C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C46, C47, C49, C51,	38	100n	C0805
C1, C2	2	10uF	C0805
C3,	1	1uF	C0805
C4, C5,	2	22p	C0805
C7, C8, C9,	3	10uF	Tantalum D
C48	1	470uF	CP_Radial_D8.0mm_P3.80mm
C50	1	220uG	CP_Radial_D7.5mm_P2.50mm
CON1,	1	CF-CARD	TE_1734451-1
CON2,	1	SD	SD_TE_2041021
CON3,	1	VGA	DSUB-15-HD_Female
CON4,	1	Joystick	DSUB-9_Male
CON5,	1	Keyboard	MDIN06SS
CON6,	1	Mouse	MDIN06SS
CON7,	1	Audio	Jack_3.5mm_CUI_SJ1-3535NG
CON8,	1	5V DC	BarrelJack_Wuerth_6941xx301002
CON9,	1	Micro-SD	Molex MicroSD (mirrored)
D1, D2, D4, D6, D7	5	LED	L0805
D5	1	1N5820	D_DO-201AD_P15.24mm_Horizont
D3	1	BAT54C	SOT-23
J1,	1	Floppy	IDC-Header_2x17
J2,	1	FPGA JTAG	IDC-Header_2x05, angled
J3,	1	Floppy 5V	PinHeader_1x04
J4,	1	uBus	PinHeader_2x04
J5,	1	AVR JTAG	IDC-Header_2x03, angled
J6,	1	AVR UART	PinHeader_1x04
J7,	1	ESP-BUS	PinHeader_2x05
JP2	1	Jumper	PinHeader_1x03
L1,	1	68uH	L_12x12mm
R1, R2, R3,	3	2k4	R0805
R4, R57	2	27	R0805
R5, R9, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R58, R59, R60,	28	10k	R0805
R6, R11, R14, R17,	4	1k	R0805
R7, R8, R21, R22, R23, R24,	6	4k7	R0805
R10, R13, R16,	3	2k	R0805
R12, R15, R18, R28, R29, R54, R55, R56,	8	470 (510)	R0805
R53	1	X* (see schematics)	R0805
R19, R20,	2	75	R0805
R25,	1	820	R0805
R26, R27,	2	750	R0805
R61,	1	300	R0805
SW1, SW2,	2	SW_Push	SPST_Angled_PTS645Vx58-2LFS
SW3	1	SW_DIP_x04	SPSTx04_Piano_CTS_Series

karabas-pro-revD

SW4	1	SW_SPST	Slider button switch
U1,	1	EP4CE6E22C8N	QFP-144
U2,	1	CY62167EV30 (ELL)	TSOP-I-48_18.4x12mm_P0.5mm
U3, U3"1	2	W25Q16 M25P16	SOIC-8_5.23x5.23mm_P1.27mm
U4,	1	EPM3128ATC100	LQFP-100_14x14mm_P0.5mm
U5,	1	ATMEGA328-AU	TQFP-32_7x7mm_P0.8mm
U6,	1	MB8877A	DIP-40_W15.24mm
U7, U8,	2	TXB0104PW	TSSOP-14_4.4x5mm_P0.65mm
U9,	1	DS1307Z+	SOIC-8_3.9x4.9mm_P1.27mm
U10,	1	ESP-12E	ESP-12E
U11,	1	TDA1543	DIP-8_W7.62mm
U12,	1	AMS1117-3.3	SOT-223-3
U13,	1	AMS1117-2.5	SOT-223-3
U14,	1	AMS1117-1.2	SOT-223-3
U15,	1	LM2596S-5.0	TO-263-5
U17,	1	74LS06	DIP-14_W7.62mm
U18,	1	74LS38	DIP-14_W7.62mm
X1,	1	50MHz	SG8002CA-4Pin_7.0x5.0mm
Y1,	1	32768Hz	AT310_D3.0mm_L10.0mm
Y2,	1	16MHz	HC49-S