







karabas-pro-revA

Ref	Q-ty	Value	Footprint
BT1,	1	3V	Battery
C10, 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,	35	100n	C0805
C1, C2	2	10uF	C0805
C3,	1	1uF	C0805
C4, C5,	2	22p	C0805
C6, C7, C8, C9,	4	10uF	Tantalum D
C45,	1	470uF	CP_D12.5mm_P7.50mm
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
D1,	1	LED1	L0805
D2,	1	LED2	L0805
J1,	1	Floppy	IDC-Header_2x17
J2,	1	FPGA JTAG	IDC-Header_2x05
J3,	1	Floppy 5V	PinHeader_1x04
J4,	1	uBus	PinHeader_2x04
J5,	1	AVR JTAG	IDC-Header_2x03
J6,	1	AVR UART	PinHeader_1x04
R1, R2, R3,	3	2k4	R0805
R4,	1	27	R0805
R5, R9, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39,	12	10k	R0805
R6, R11, R14, R17,	4	1k	R0805
R7, R8, R21, R22, R23, R24,	6	4k7	R0805
R10, R13, R16,	3	1k8	R0805
R12, R15, R18, R28, R29,	5	470	R0805
R19, R20,	2	75	R0805
R25,	1	820	R0805
R26, R27,	2	750	R0805
SW1, SW2,	2	SW_Push	SPST_Angled_PTS645Vx58-2LFS
U1,	1	EP4CE6E22C8N	QFP-144
U2,	1	CY62167EV30	TSOP-I-48_18.4x12mm_P0.5mm
U3,	1	EPSC16 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

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U14,	1	AMS1117-1.2	SOT-223-3
U17,	1	74LS06	DIP-14_W7.62mm
U18,	1	74LS38	DIP-14_W7.62mm
X1,	1	SG-7050CAN	SG8002CA-4Pin_7.0x5.0mm
Y1,	1	32768Hz	AT310_D3.0mm_L10.0mm
Y2,	1	16MHz	HC49-S