

## PicATU20B

References	Value	Footprint	Quantity	Provider	
<b>LC-Platine</b> <b>Die Induktivitäten sollten nachgemessen werden</b>					
C8, C9, C10, C11, C12, C17	100p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	6	D	SMD 500V
C1, C2, C3	1,6p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	3	D	SMD 500V
C13, C14	150p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	2	D	SMD 500V
C4	3,3p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	1	D	SMD 500V
C5	6,2p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	1	D	SMD 500V
C6	12p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	1	D	SMD 500V
C7	24p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	1	D	SMD 500V
C15	330p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	1	D	SMD 500V
C16	470p	C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	1	D	SMD 500V
L1	10,4uH	L_Toroid_Vertical_L14.0mm_W6.3mm_P4.57mm_Pulse_A	1	R	T-80-2 rot, 40Wdg/0,5mm
L2	5,2uH	L_Toroid_Vertical_L14.0mm_W6.3mm_P4.57mm_Pulse_A	1	R	T-80-2 rot, 30Wdg/0,8mm
L3	2,6uH	L_Toroid_Vertical_L14.0mm_W6.3mm_P4.57mm_Pulse_A	1	R	T-68-2 rot, 20Wdg/0,8mm
L4	1,3uH	L_Toroid_Vertical_L14.0mm_W6.3mm_P4.57mm_Pulse_A	1	R	T-68-6 gelb, 15Wdg/0,8mm
L5	0,65uH	L_Toroid_Vertical_L14.0mm_W6.3mm_P4.57mm_Pulse_A	1	R	T-50-6 gelb, 12Wdg/0,8mm
L6	0,32uH	L_Toroid_Vertical_L14.0mm_W6.3mm_P4.57mm_Pulse_A	1	R	T-50-6 gelb, 8Wdg/0,8mm
L7	0,16uH	L_Toroid_Vertical_L14.0mm_W6.3mm_P4.57mm_Pulse_A	1	R	T-44-6 gelb, 5Wdg/0,8mm oder T-50-6 gelb, 5Wdg/0,8mm
L8	0,08uH	L_Toroid_Vertical_L14.0mm_W6.3mm_P4.57mm_Pulse_A	1	R	Luftspule D8mm, 4Wdg
KC1, KC2, KC3, KC4, KC5, KC6, KC7, KC8, KC9, KC10, KC11, KL1, KL2, KL3, KL4, KL5, KL6, KL7, KL8, KLC1, KLC2, KLC3, KLC4	TQ2-L-5V	Relay_DPDT_FRT5	23		TQ2-L-5V vom günstigsten Anbieter im Internet suchen
J1, J6	Conn_01x05_Pin	PinSocket_1x05_P2.54mm_Vertical	2	R	BKL 10120536 Präzisions-Stiftleiste 20 polig, 2,54mm
J2, J5	Conn_01x08_Pin	PinSocket_1x08_P2.54mm_Vertical	2	R	
J3	Antenne	PSS-254-2W	1	R	

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References	Value	Footprint	Quantity	Provider	
J4	SymBa	PSS-254-2W	1	R	
<b>Passend zu Printstecker PSS 254, PSK-KONTAKTE, PSK 254 Kupplungs-Leergehäuse</b>					R
<b>Grundplatine</b>					
C3, C4, C5, C6, C7, C8, C10, C11, C12, C13, C14, C15, C17, C18, C19, C20, C21, C22, C24, C25, C26, C27, C28, C29, C30, C31	10n	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	26	R	
C1, C2, C9, C16, C23	100n	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	5	R	
R1, R2	2,7k	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	2	R	
R4, R5	150	R_2512_6332Metric_Pad1.40x3.35mm_HandSolder	2	R	
R3	1k	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	R	
R6	39	R_2512_6332Metric_Pad1.40x3.35mm_HandSolder	1	R	
U1, U2	MCP23S17_SP	DIP-28_W7.62mm	2	R	Artikel-Nr.: MCP 23S17-E/SP
K1	TQ2-L-5V	Relay_DPDT_FRT5	1		TQ2-L-5V vom günstigsten Anbieter im Internet suchen
MOD1	Messplatine_AD8307	ATU_SWR_MESS	1		Das ist die Messplatine
T1	N30, D11mm	RK_SWR_FT37	1	R	Artikel-Nr.: RIK 10 Ringkern aus Ferroxcube, N30
T2	2xN30, D11mm	RK_SWR_FT37_2X	2	R	
J2, J6	Conn_01x05_Pin	PinHeader_1x05_P2.54mm_Vertical	2	R	Artikel-Nr.: BKL 10120990 Präzisionsbuchsenleiste 2,54mm 1x36
J3, J5	Conn_01x08_Pin	PinHeader_1x08_P2.54mm_Vertical	2	R	
J1	Conn_01x02_Pin	PSS-254-2W	1	R	
J4	Conn_01x05_Pin	PSS-254-5W	1	R	
J7	HFinput	PSS-254-2G	1	R	

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References	Value	Footprint	Quantity	Provider	
J8	HFout	PSS-254-2G	1	R	
J9	BRvor	PinHeader_1x04_P2.54mm_Vertical	1	R	Artikel-Nr.: W+P 153PF-036-1
J10	BRrueck	PinHeader_1x04_P2.54mm_Vertical	1	R	
J11	SWRmess	PSS-254-5G	1	R	
<b>Passend zu Printstecker PSS 254, PSK-KONTAKTE, PSK 254 Kupplungs-Leergehäuse</b>				R	
<b>mc_platine</b>					
C1, C2, C3, C4, C5, C9, C10, C12, C13, C18, C19, C20, C21	100n	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	13	R	
C14, C15, C16, C17	1n	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	4	R	
C6, C7	27p	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	2	R	
C8, C11	10u	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	2	R	
R4, R10, R11, R19	1k	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	4	R	
R5, R6, R8, R9	100	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	4	R	
R15, R16, R17, R18	470	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	4	R	
R12, R13, R14	4,7k	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	3	R	
R1, R2	220	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	2	R	
R3	10	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	R	
R7	2,7k	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	R	
L1, L2, L3	100uH	L_1210_3225Metric	3	R	LQH3C 100µ
D1, D2, D3, D4, D5, D6	1N4148W	D_SOD-123	6	R	1N4148W HOT
U1	PIC18F26K22-xSP	DIP-28_W7.62mm	1	D	PIC18F26K22-I/SP-ND
		Präzisionsfassung DIP-28	1	R	Artikel-Nr.: GS 28P-S
U2	24LC512	DIP-8_W7.62mm	1	R	Artikel-Nr.: 24LC512-I/P
U3	MCP1754	SOT-89-3	1	R	MCP 1754-5002MB
				D	MCP1754ST-5002E/MB
Y1	18,432 MHz	Crystal_HC49-4H_Vertical	1	R	18,4320-HC49U-S
Q1, Q3, Q4	BSS123	SOT-23	3	R	Artikel-Nr.: BSS 123 SMD

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References	Value	Footprint	Quantity	Provider	
DS1	WC1602A	WC1602A	1	A	LCD 2x16
	<a href="https://www.az-delivery.de/en/products/16x2lcddisplay">https://www.az-delivery.de/en/products/16x2lcddisplay</a>		1	A	LCD 2x16
Q2	NDT2955	SOT-223-3_TabPin2	1	R	Artikel-Nr.: IRFL9014PBF
				D	NDT2955TR-ND
Q5	IRLML2803	SOT-23	1	R	IRLML 2803
RV1	5k	Potentiometer_Piher_PT-6-H_Horizontal	1	R	PT 6-S 5,0K
J1	Conn_01x05_Pin	PSS-254-5W	1	R	
J2	Programmer	PSS-254-5G	1	R	
J3	SV	PSS-254-3G	1	R	
J4	Messkopf	PSS-254-5G	1	R	
J5	SVmcp	PSS-254-2G	1	R	
J6	DATAmcp	PSS-254-5G	1	R	
J7	RS232_Remote	PSS-254-3G	1	R	
J8	RS232 TRX 3	PSS-254-5G	1	R	
J9	RS232 TRX 2	PSS-254-5G	1	R	
J10	RS232 TRX1	PSS-254-5G	1	R	
J11	Bruecke	PinHeader_1x02_P2.54mm_Vertical	1	R	eventuell Drahtbrücke
<b>Passend zu Printstecker PSS 254, PSK-KONTAKTE, PSK 254 Kupplungs-Leergehäuse</b>				R	
<b>mess_platine</b>					
C2, C5, C6, C7, C10, C12, C15	100n	C_0805_2012Metric	7	R	
C3, C4, C8, C11	1n	C_0805_2012Metric	4	R	
C1, C9	10p	C_0805_2012Metric	2	R	
C13, C14	10u	C_0805_2012Metric	2	R	
R1, R2, R10, R12	100	R_1206_3216Metric	4	R	
R3, R13	120	R_1206_3216Metric	2	R	
R4, R14	39	R_0805_2012Metric	2	R	

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R5, R11	68	R_0805_2012Metric	2	R	
R6, R16	47	R_0805_2012Metric	2	R	
R7, R9	3,3	R_0805_2012Metric	2	R	
R8, R15	33	R_0805_2012Metric	2	R	
R17, R18	100	R_0805_2012Metric	2	R	
L1, L2	100u	L_1812_4532Metric	2	R	LQH3C 100μ
U1, U2	AD8307	SOIC-8_3.9x4.9mm_P1.27mm	2	E	billig bei Ebay, etwas suchen
U3	LM6482	SOIC-8_3.9x4.9mm_P1.27mm	1	R	LMC 6482 IMX
				D	LMC6482IMX/NOPBTR-ND
U4	MCP1754S-5002xMB	SOT-89-3	1	R	MCP 1754-5002MB
				D	MCP1754ST-5002E/MB
J3, J4	HFgnd	PIN_1,75OV	2	R	Artikel-Nr.: W+P 946-12-036
J1	HFrueck	PIN_1,75OV	1	R	
J2	HFvor	PIN_1,75OV	1	R	
J5	Urueck	PIN_1,75OV	1	R	
J6	Uvor	PIN_1,75OV	1	R	
J7	10V	PIN_1,75OV	1	R	
<b>rs232_modul</b>					
C1, C2, C3, C4	4,7u	C_0805_2012Metric	4	R	
U1	MAX 232 CWE	SOIC-16W_7.5x10.3mm_P1.27mm	1	R	Artikel-Nr.: MAX 232 CWE
J1	DE9_Plug	DSUB-9_Female_EdgeMount_P2.77mm	1	R	Artikel-Nr.: D-SUB ST 09P oder Artikel-Nr.: D-SUB BU 09P
J2	Conn_01x04_Pin	PinHeader_1x04_P2.54mm_Vertical	1		Litze 0,14mm fest anlöten

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References	Value	Footprint	Quantity	Provider	
<b>usb_modul</b>					
C1, C2	100n	C_0805_2012Metric	2	R	
R1	4,7k	R_0805_2012Metric	1	R	
R2	10k	R_0805_2012Metric	1	R	
U1	FT232RL	SSOP-28_5.3x10.2mm_P0.65mm	1	R	Artikel-Nr.: FT232RNL RS232-Interface-Brücke, USB zu UART, SSOP-28
J1	USB_B	USB_B_Lumberg_2411_02_Horizontal	1	R	Artikel-Nr.: USB BW USB-Einbaubuchse, Serie B, gew., Printmontage
J2	Conn_01x05_Pin	PSS-254-5G	1		Litze 0,14mm fest anlöten
<b>bedienteil_platine</b>					
SW1	SW_Push	Taste-MTG	1	R	TASTER 1082.7 (Kappe sw) Oder TASTER 1082.8 (Kappe ws)
SW2	RotaryEncoder_S witch	RotaryEncoder_Alps_EC12E-Switch_Vertical_H20mm	1	R	STEC12E08
H1, H2	MountingHole	MountingHole_3.2mm_M3	2		
J1	Conn_01x05_Pin	PinHeader_1x05_P2.54mm_Vertical	1		Litze 0,14mm anlöten
<b>SymBA QRP</b>					

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References	Value	Footprint	Quantity	Provider	
	Ringkerne N30, Aussen 26mm		2	B	Bürklin, Bestellnr.: 84D220
	Koaxkabel RG174			R	Artikel-Nr.: RG 174-10
	Litze 0,5mm, 10m			C	1564662 – NA
	<b>Passend zu Printstecker PSS 254, PSK-KONTAKTE, PSK 254 Kupplungs-Leergehäuse</b>				
		R: Reichelt			
		D:Digikey			
		E:Ebay			
		A:AZ-Delivery			
		R: Reichelt			
		B: Bürklin			
		C: Conrad			