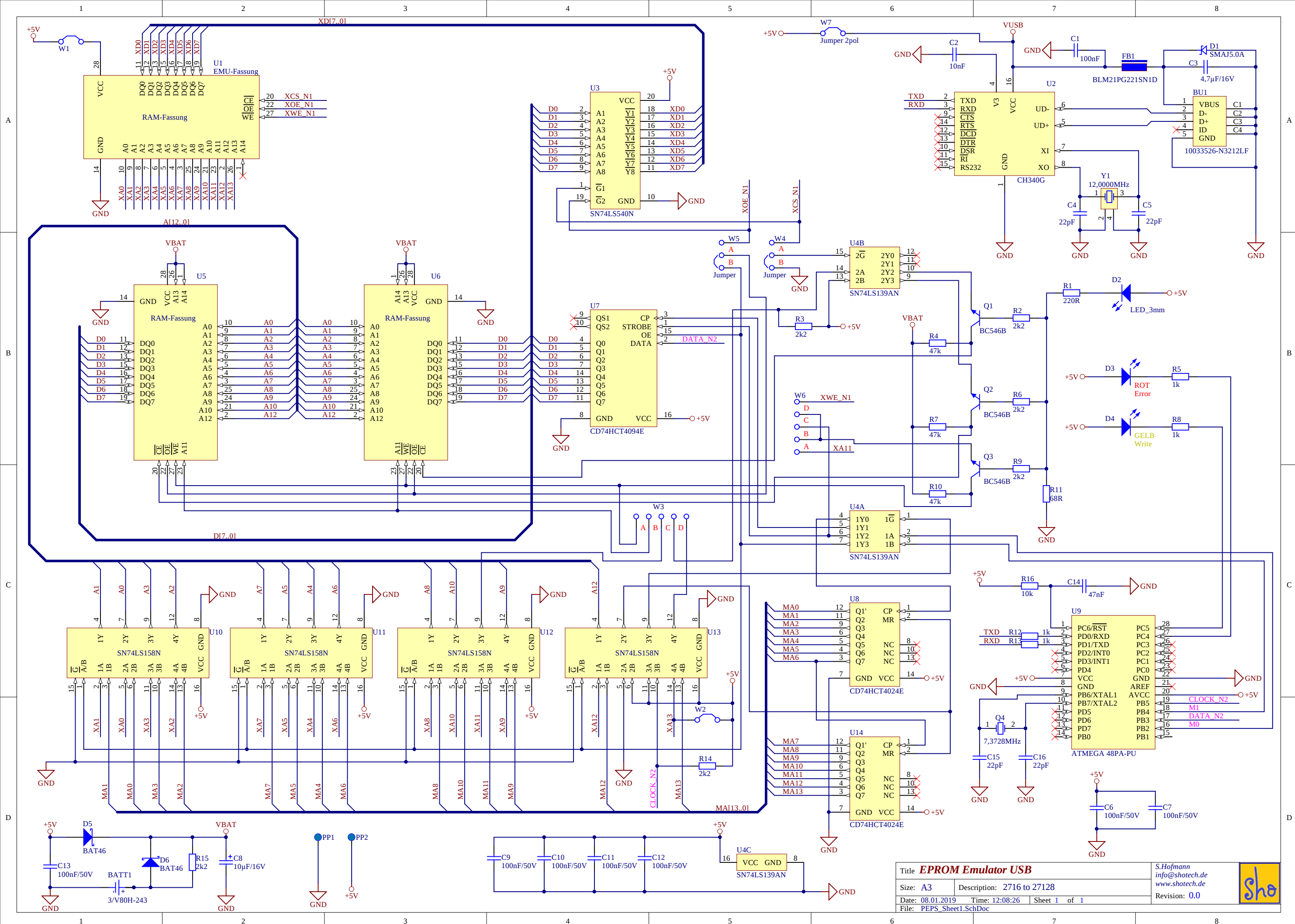
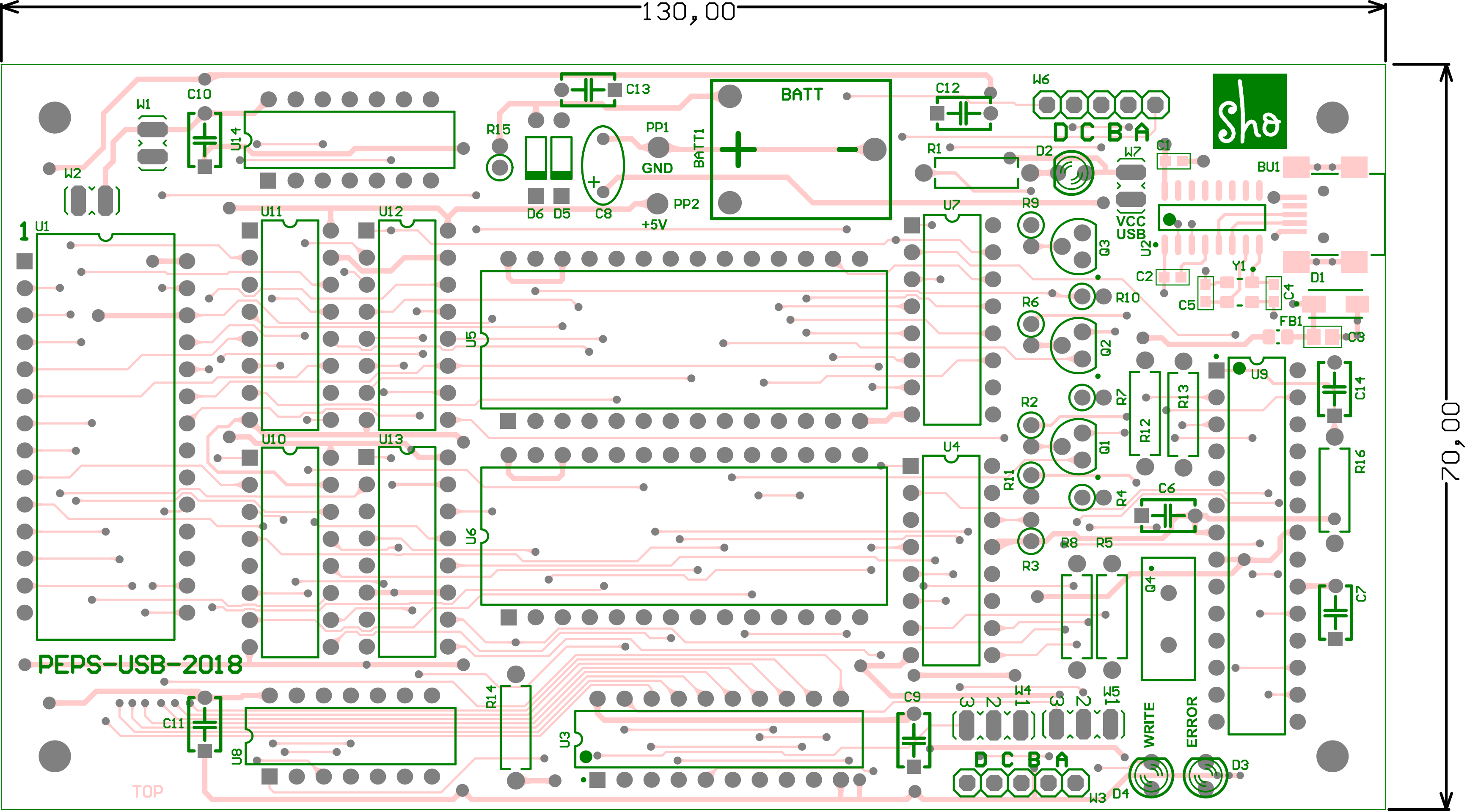








Bearbeiter: S. Hofmann
Tel: 040 /
Fax: 040 / 76906856
Email: shop@shotech.de

Bill of Materials

Datum:	8. Januar 2019
Zeit:	12:08:30
Variant:	None
Bezeichnung:	EPROM Emulator USB
Revision:	0.0

Quantity	Designator	Footprint	Bemerkung	Value	MFT	Order-Code	shotech
1	BU1	USB_10033526_N3212LF	05P MINI USB B RECPTACLE	10033526-N3212LF	FCI	10033526-N3212LF	000354
1	C1	C0603_N	SMD-Vs-Kond 100nF 16V 10% X7R 0603	100nF	DARFON	CVNF100K0603	
1	C2	C0603_N	SMD-Vs-Kond 10nF 16V 10% X7R 0603	10nF	YAGEO (PHYCOMP)	CC0603KRX7R8BB103	
1	C3	C0805_N	KONDENSATOR,0805,X7R,16V,4.7UF	4,7µF/16V	Murata	GRM21BR71C475KA73L	
2	C4, C5	C0603_N	KONDENSATOR, 0603, NP0, 50V, 22PF, 5%	22pF	TDK Corporation	C1608C0G1H220J080AA	
2	C15, C16	C0805_N	CAPACITOR, 0805, NPO, 22pF, 100V	22pF	AVX	08051A220JAT2A	
1	D1	DIOM5126X223N	SMD-TVS-Diode bip 400W 5V SMA	SMAJ5.0A	TAIWAN SEMICONDUCTOR (TSC)	SMAJ5.0A	000372
1	FB1	I0805_NC		BLM21PG221SN1D	Murata	BLM21PG221SN1D	
1	U2	SOP127P600X175-16N	USB-RS232-Bridge TTL , SO16	CH340G	WCH	CH340G	000849
1	Y1	OSCCC320X250X70N	Quarz -SMD 12.000MHz 3.2x2.5mm, 20pF, 30R, 10ppm	12,0000MHz	China	627870671 - X32FG20QSA12000	000850
12							



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Tel: 040 /
Fax: 040 / 76906856
Email: shop@shotech.de

Bill of Materials

Datum:	8. Januar 2019
Zeit:	12:08:44
Variant:	None
Bezeichnung:	EPROM Emulator USB
Revision:	0.0

Quantity	Designator	Footprint	Bemerkung	Value	MFT	Order-Code	shotech
1	BATT1	3-V80H	NiMH-Akku 2,4V 80mAh 3 Lötflächen	3/V80H-243	Varta	3/V80H-243	
7	C6, C7, C9, C10, C11, C12, C13	CAP_Radial_5MM	Keramik-Vielschichtkondensator MLCC – bedrahtet 0.1uF 50volts 10% X7R 5mm LS	100nF/50V	Vishay / BC Components	K104K15X7RF53H5	
1	C8	CAPNTO5.08-7.37x3.94	Tantalkondensator 10 µF, 16 V, Baureihe 489D, ± 20%, Radial bedrahtet	10µF/16V	VISHAY	489D106X0016C6VE3	
1	C14	CAP_Radial_5MM	Keramik-Vielschichtkondensator MLCC – 100volts 0.047uF 10% X7R Radial	47nF	TDK	FA24X7R2A473KNU00	
3	D2, D3, D4	LED3MM		LED_3mm, ROT, GELB	frei		
2	D5, D6	DO-35	Schottky 100V 0,15A DO35	BAT46	ST-Microelectronic	BAT46	
2	PP1, PP2	VERO_Testpoint_Blue	Prüfpunkt				
3	Q1, Q2, Q3	TO-92A	NPN 65V 0,1A 0,5W B:200-450 TO92	BC546B	Continental Device India	BC546B-GURT	
1	Q4	HC49/4H_SMX	Quarze +/-20ppm 7.3728MHZ FUNDAMENTAL	7.3728MHz	ABRACON	ABL-7.3728MHZ-B2	
1	R1	RES10-7.8X2.8	WIDERSTAND, 207, axial, 1%	220R	frei	RMGE220	
5	R2, R3, R6, R9, R14	RESADV200W55L630D240P	WIDERSTAND, 207, axial, 1%	2k2	frei	RMGK002.2	
3	R4, R7, R10	RESADV200W55L630D240P	WIDERSTAND, 207, axial, 1%	47k	frei	RMGK047	
4	R5, R8, R12, R13	RES10-7.8X2.8	Metallsch. 0207 1/4W 1% 1K5 lose	1k		RMK001.5	
1	R11	RESADV200W55L630D240P	WIDERSTAND, 207, axial, 1%	68R	frei	RMGE068	
1	R15	RES10-7.8X2.8	WIDERSTAND, 207, axial, 1%	2k2	frei	RMGK002.2	
1	R16	RES10-7.8X2.8	WIDERSTAND, 207, axial, 1%	10k	frei	RMGK010	
3	U1, U5, U6	PDIP28	RAM Fassung				
1	U3	N0020A	Tri-St. Inv Oct Buff DIP20	SN74LS540N	Texas Instruments	SN74HCT540N	
1	U4	N016	2x 2 to 4 Decoder/Demux DIP16	SN74LS139AN	Texas Instruments	LS139N	
1	U7	N016		CD74HCT4094E	Texas Instruments	CD4094BE	001058
2	U8, U14	N014		CD74HCT4024E	Texas Instruments	CD4024BE	
1	U9	28P3		ATmega328P	Atmel		
4	U10, U11, U12, U13	N016			frei	SN74LS158N	
3	W1, W2, W7	JP1	Jumper RM2,54, rot	JUMP-RT		JUMP-RT	
2	W3, W6	1X5	Jumper 3pin	Jumper 5pin	frei	frei	
2	W4, W5	JP2					
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