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Bill of Materials

Datum:	13. September 2020
Zeit:	2:16:50
Variant:	Variant of PEPS2 Reset
Bezeichnung:	EPROM Emulator2 SHOMU2
Revision:	0.0

Quantity	Designator	Footprint	Bemerkung	Value	MFT	Order-Code	Second-source	shotech
1	BATT1	Gold-Cap EECSHD	Gold Cap-Elko 0,33F 5,5V RM5,0 V	EECS0HD334V	Panasonic	EECS0HD334V	KR-5R5V334-R / Eaton Electric GmbH	001749
9	C6, C7, C9, C10, C11, C12, C13, C17, C19	CAP_Radial_5MM	Keramik-Vielschichtkondensator MLCC – bedrahtet 0.1uF 50volts 10% X7R 5mm LS	100nF/50V	Vishay / BC Components	K104K15X7RF53H5		001347
1	C8	CAPNT02.54-7.37x3.94	Tantalkond 10uF 16V RM2,54, ± 20%, Radial bedrahtet	10uF/16V	KEMET	T350E106M016AT		
2	C14, C18	CAPPR2-5x11 - RM2.5	10uF/50V/20%/RM2.5/105 °C /2000h	10uF/50V	Chang	RL1H100MC110B25CEH		001339
1	C20	CAP_Radial_5MM	Vs-Kond 470nF 63V Z5U RM5	470nF	KEMET	C322C474M5U5TA	MKT - R82DC3470AA60K / KEMET	001751
1	C24	CAPPR2-5x11 - RM2.5	22uF/63V/20%/2000h/RM2.5/85 °C	22uF/63V	Samwha	SD1J226M05011PC359		001338
2	D2, D3	LED3MM - spacer - red		RED	frei			001321
1	D4	LED3MM - spacer - yellow		YELLOW	frei			001322
1	D5	DO-35	Schottky 100V 0,15A DO35	BAT46	ST-Microelectronic	BAT46		001240
5	D6, D7, D8, D9, D10	DO-35	Dioden (Allzweck, Leistung, Schaltung) Vr/75V Io/150mA T/R	1N4148	On Semiconductors	1N4148TR		001594
5	K1, K2, K3, K4, K5	Relais_SIP	Relais 5V	SIP-1A05	PAN CHANG	SIP-1A05	EDR101A0500Z / ECE Excel Cell	001624
4	PP1, PP2, PP3, PP4	VERO_Testpoint_Blue	Prüfpunkt					
2	Q3, Q5	SC_TO-92	TRANSISTOR PNP 45V 0.1A TO-92	BC557B	Diotec	BC557BBK		001622
1	Q4	HC49/4H_SMX	Quarze +/-30ppm, 20pF, 40Ohm, 11,059200MHZ FUNDAMENTAL	11,059200MHz	HKC Europe	9SM1105920E20F3F2000		001320
1	Q6	SC_TO-92	NPN 45V 0.1A 0.5W B:200-450 TO92	BC237B	frei	BC237B	BC548B	001069
1	R1	RES10-7.8x2.8	WIDERSTAND, 207, axial, 10k, 1%	470R	free			001748
4	R5, R8, R12, R13	RESADV200W55L630D240P	Metallsch. 0207 1/4W 1%	1k	frei	RMGK001		001235
1	R6	RES10-7.8x2.8	WIDERSTAND, 207, axial, 1%	4k7				001587
3	R9, R10, R11	RES10-7.8x2.8 - 100k	WIDERSTAND, 207, axial, 1%	100k				001610
1	R15	RES10-7.8x2.8 - 47k	WIDERSTAND, 207, axial, 1%	47k	frei	RMGK047		001237
2	R16, R17	RES10-7.8x2.8 - 10k	WIDERSTAND, 207, axial, 1%	10k	frei	RMGK010		001233
1	U1	PDIP28	RAM Fassung					001328
1	U3	N020	Bustransceiver Octal Bus	SN74LS245N	Texas Instruments	SN74LS245N	SN74HCT245N	001527
1	U5	PDIP32	SRAM 1Mb, 2.7V-5.5V, 55ns 128K x 8 Asynch SRAM	AS6C1008-55PCN	Alliance Memory	AS6C1008-55PCN	AMIC LP621024D-70LLF	001487
1	U6	P008	SUPPLY VOLTAGE SUPERVISORS	TL7705A	Texas Instruments	TL7705A		001283
1	U9	28P3	MCU-32KB	ATMEGA328P-PU	Microchip	ATMEGA328P-PU	ATMEGA 168PA-PU	001319
4	U10, U11, U12, U13	N016	Quadruple 2-Line To 1-Line Data Selectors/Multiplexers	SN74LS158N	frei	SN74LS158N		001317
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