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Bill of Materials

Datum:	31. März 2025
Zeit:	13:06:38
Variante:	Variant of P8052AH-
Bezeichnung:	BASIC_EEPROM-KIT2
Revision:	8052AH-BASIC Board EEPROM
Description:	0.1 PCB

Quantity	Designator	Footprint	Bemerkung	Value	MFT	Order-Code	Second-source	shotech
1	BU1	IDC2.54-H40A - duplicate	SEK-18 SV MA STD ANG29 RKZ 40P PL3	09 18 540 7903	Harting	09 18 540 7903	PSL-40W	
1	BU2	IDC2.54-H20A	SEK-18 SV MA STD ANG29 RKZ 20P PL3	PSL 20W	Harting	09 18 520 7913	Reichelt - PSL 20W	
7	C19	CAP_Radial_5MM	100nF/50V/±10%/X7R/RM 5.08	100nF/50V	Vishay / BC Components	K104K15X7RF53H5	C322C104K5R5TA - shotech	1347
2	C3, C4	CAPPA6.3mm x 13mm	Elko axial 100µF 16V 6.3x13mm +85°C	10µF/35V	SUNTAN	TS13AE1V100MSB000R		
2	C5, C6	CAP_Radial_5MM	Ker-Ko 22pF 50V RM5,00 5% NPO/COG	22pF	TDK	FG28C0G1H220JNT06	FG28C0G1H220JNT00	2387
1	C7	CAP_Radial_5MM	COG +/-5% LS=5mm	330pF	TDK	FG26C0G2J331JNT06	3D06B331KL52N : Richwell	2396
1	C8	CAP_Radial_5MM	Vs-Kond 470nF 63V Z5U RM5	470nF	KEMET	C322C474M5U5TA	KEMET	1751
2	C9, C10	CAP_Radial_5MM	CAP CER 1uF 50V X7R RADIAL	1uF	KEMET	C330C105M5R5CA7303		1414
1	C11	CAPPA6.3mm x 13mm	Elko axial 100µF 16V 6.3x13mm +85°C	100µF/16V	SUNTAN	TS13AE1C101MSB000R		
3	CS1, CS2, CS3		Circuit socket DIP28-LC	Circuit socket DIP28-LC	ASS	A 28-LC-TT		1521
1	CS4		Circuit socket DIP40	Circuit socket DIP40	ASS	A 40-LC-TT		1582
1	CS7		Circuit socket DIP14 präzision	Circuit socket DIP14	PRECIDIP	110-87-314-41-001101		2065
1	CS8		Circuit socket DIP16 präzision	Circuit socket DIP16	ASS	AR16-HZL-TT		2066
1	CS9		Circuit socket DIP20 präzision	Circuit socket DIP20	ASS	AR 20 HZL-TT		2067
1	CS10		Ribbon cable yellow 28	Ribbon cable yellow 28	shotech			2398
1	CS11		Circuit IDC socket 40 pin.	pin.	free	PFL 40		
1	CS12		Circuit IDC socket 20 pin.	pin.	free	PFL 20		
1	D3	LED3MM	LED diffus grün 50mcd 60° 3mm	LED_3mm_GREEN	Everlight	204-10SYGD/S530-E2		1323
1	D4	DO41	Schottky Dioden & Gleichrichter 1.0A 40V	1N5819	Taiwan Semiconductor	1N5819 R0		1568
1	J1	CON-A-USBSB	USB-Buchse B print 90°	USB-B	Assmann WSW	A-USBSB		1618
1	KL1		Circuit board	Circuit board	frei			2397
1	LH4		LED 3mm Abstandshalter 4mm	MAH 304	Fischer Elektronik	MAH 304		2366
1	Q4	HC49/4H_SMX	Quarze +/-30ppm, 20pF, 40Ohm, 11,059200MHZ FUNDAMENTAL	11_059200MHz	HKC Europe	9SM1105920E20F3Z000		1320
3	R8, R10, R15	RES10-7.8X2.8	WIDERSTAND, 207, 1%	100R				1678
1	R9	RES10-7.8X2.8	Metallsch. 0207 1/4W 1% 1K5 lose	8,2k		RMK001.5		
2	R11, R12	RES10-7.8X2.8 - 1k	Metallsch. 0207 1/4W 1%	1k	frei	RMGK001		1235
1	R13	RES10-7.8X2.8	WIDERSTAND, 207, 1%	1M				1668
1	R14	RES10-7.8X2.8 - 330R	WIDERSTAND, 207, axial, 1%	330R				1588
1	R17	RES6.5-3.4X1.9	Metallsch. 0204 1/4W 1%	OR	frei	frei		
1	RN1	SIP240W50P254L2276H508Q9P	Widerstandnetzwerke u. -Arrays 9pins 10Kohms Bussed	RN10k	Bourns	4609X-101-103LF		
1	SW1	SW-DTS-644	Mini-Taster print stehend 1N	DTS-644N-V	Diptronics	DTS-644N-V		2455
1	U1	N014	Quadruple 2-Input Positive-NAND Gate	SN74HCT00N	Texas Instruments	SN74HCT00N		
1	U4	N016	3-Line to 8-Line Decoder / Demultiplexer	SN74HCT138N	TI	SN74HCT138N		
1	U5	SOT129-1	8052 mit BASIC ROM 8KB, DIP40, 5V	8052AH-BASIC	Intel	8052AH-BASIC	+	2403
1	U6	PDIP28	SRAM LLPow as 5V 32kx8 55ns DIP28	AS6C62256-55PCN	Alliance	AS6C62256-55PCN		
1	U7	N0020A	Octal D-Type Latch, 3-State, 4.5 ... 5.5 V, DIL-20	SN74HCT573CN	TI	SN74HCT573CN		
2	U8, U11	PDIP28	EEPROM 64K 8K x 8 150 ns 4.5V-5.5V	AT28C64-15PU	Microchip Technology / Atmel	AT28C64-15PU		
1	U9	DIP-14	USB 2.0 to I2C/UART Protocol Converter with GPIO , PDIP-14	MCP2221A	Microchip	MCP2221A-I/P		1596
1	U10	R-78K	DC/DC Conv SIP3 6.5-36V 5V 1A	R-78K5.0-1.0	Recom	R-78K5.0-1.0		
1	W5	JP2	Jumper 3pin	Jumper 3pin	frei	frei		1564
1	X1	AK500/2	AR-Klemmen 250V 2pol grau	ARK500/2	PTR-Messtechnik	AK500/2DS-5,0-V/GRAU		1576
1	X3	1X4						