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Bill of Materials

Datum:	11. September 2020
Zeit:	21:43:18
Variant:	None
Bezeichnung:	M001 and I2C
Revision:	0.3

Quantity	Designator	Footprint	Bemerkung	Value	MFT	Order-Code	Lieferant	Second-source	shotech
1	BU1	IDC2.54-H26A	SEK-18 SV MA STD ANG29 RKZ 26P PL3	09185267913	Harting	09185267913		Reichelt - PSL 26W	
15	C1, C2, C3, C5, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18	CAP_Radial_5MM_4_2k5	Vielschichtkondensator MLCC – 50volts 0.033uF 10% X7R Radial	33nF	TDK	FG28X7R1H333KNT06	Mouser - 810-FG28X7R1H333KNT6	FK28X7R1H333K - shotech	001553
3	C4, C6, C19	CAP_Radial_5MM	100nF/50V/±10%/X7R/RM 5.08	100nF/50V	Vishay / BC Components	K104K15X7RF53H5	Mouser - 594-K104K15X7RF53H5	C322C104K5R5TA - shotech	001347
1	C7	CAPPA20.05-20x8 - duplicate	Alu-Elektrolytkondensatoren - verdrahtet 470uF 10 Volts 20%	470µF/10V	SUPERTECH ELECTRONIC	AXH471M1A0816B	Reichelt - AX 105 470/10		
1	D1	LED5MM	LED diffus grün 200mcd 25° 5mm	VQA23	Everlight / RFT	VQA23	shotech	EL1383SYGD/S53	001538
2	D2, D3	SOT95P260X130-3N	Low Cap. Diode Array For SNGL Line w/ESD	NUP1301ML3T1G	ON-Semiconductor	NUP1301ML3T1G	Mouser - 863-NUP1301ML3T1G		
24	D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27	SOT95P260X130-3N	Dioden (Allzweck, Leistung, Schaltung) Vr/75V Io/150mA T/R	BAV99-DL	Vishay Semiconductors	BAV99-DL	Mouser - 78-1N4448		
1	J1	AD-DIO-FS-06	6-pol. Mini-DIN-Buchse, violett, geschirmt	EB-DIOS M06V		EB-DIOS M06V	Reichelt - EB-DIOS M06V	MD-60SM - Mouser	
2	R1, R7	RES10-7.8X2.8	WIDERSTAND, 207, axial, 10k, 1%	620R					001517
3	R2, R3, R4	RES10-7.8X2.8 - 2k2	WIDERSTAND, 207, axial, 1%	2k2	frei	RMGK002.2			001238
1	R5	RES10-7.8X2.8	WIDERSTAND, 207, axial, 1%	240R					001515
3	R6, R8, R9	RES10-7.8X2.8	WIDERSTAND, 207, 1%	100R					001678
24	R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33	RES10-7.8X2.8 - 220R	WIDERSTAND, 207, axial, 1%	220R	frei	RMGE220			001239
1	R34	R0805_N	WIDERSTAND, 0805, 4.7KR, 1% 100ppm	4,7k					
1	R35	R0805	WIDERSTAND, 0805, 22R 5%, 0.125W	22R	PANASONIC	ERJ6GEYJ220V	Farnell - 2057672		
4	U1, U8, U11, U13	N014	Hex Inverter	DL004D	RFT	DL004D	shotech	SN74LS04N	001549
1	U2	PDIP40	CMOS Parallel I/O Controller	Z80-PIO	Zilog	Z84C2006PEG		Z80-PIO	000823
2	U3, U14	N014	AND-Gate, 2 Element	DL008D	RFT	DL008D	shotech	SN74LS08N	001547
2	U4, U16	N014	Quadruple 2-Input Positive-NAND Gate	DL000D	RFT	DL000D		SN74LS00N	001546
1	U5	N014	Dual 4-Input Positive-NAND Gate	DL020D	RFT	DL020D	shotech	74LS20N	001548
1	U6	N014	Triple 3-Input Positive-NAND Gate	DL010D	RFT	DL010D	shotech	74LS10N	001544
1	U7	N016	3-Line to 8-Line Decoder / Demultiplexer	DS8205D	RFT	DS8205D	shotech	SN74S138D	001540
1	U9	PDIP28	Z80-CTC 6MHz	Z80-CTC	Zilog	Z84C3006PEG	Future electronics	Z80-CTC	000824
1	U10	N014	Dual D-Type Positive-Edge-Triggered Flip-Flop with Preset and Clear	DL074D	RFT	DL074D	shotech	SN74LS74N	001545
1	U12	N014	Quadruple 2-Input Positive-NAND Buffer with Open-Collector Outputs	DL003D	RFT	DL003D	shotech	74LS03N	001543
1	U15	N0020A	I2C-Buscontroller	PCF8584	NXP	PCF8584P	free	PCF8584	001426
1	U17	SOIC127P1030X265-20N	I2C-Buscontroller	PCF8584T	NXP	PCF8584T	shotech	PCF8584T	001738
1	W1	JP2	Jumper 3pin	Jumper 3pin	frei	frei	frei		
1	W2	JP1	Jumper RM2,54, rot	JUMP-RT		JUMP-RT	Schukat		
1	W3	JP1	Jumper RM2,54, rot	JUMP-RT		JUMP-RT	Schukat		
1	X1	KC-MOD-2x29							
1	Y1	DIP-14-Crystal	Clock-Standardoszillatoren 6MHz 100ppm 14Pin DIP/STD	6MHz	Auris	AQO 14 6 MHZ	Reichelt - OSZI 6,000000		
105									