





Bill of Materials

Kontroler ventilatora

Source Data From:	DE-250624.PrjPcb
Project:	DE-250624.PrjPcb
Variant:	None

Creation Date:	23. 7. 2024.	10:11:01
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Footprint	Comment	Value	Designator	Description	Quantity
0603	C0603	100nF, 100nF, 100nF, 1uF, 100nF, 100nF, 100pF, 100nF, 100nF, 100nF	C1, C3, C4, C5, C6, C7, C13, C19, C22, C23	Ceramic Chip Capacitor - 25V	10
0805	C0805	10uF, 22uF, 22uF, 22uF, 22uF, 22uF, 22uF, 10uF, 22uF, 22uF, 22uF, 22uF	C2, C10, C11, C12, C15, C16, C17, C18, C20, C24, C25, C26, C27, C28, C29, C30	Ceramic Chip Capacitor - 25V, Ceramic Chip Capacitor - 35V, Ceramic Chip Capacitor - 35V, Ceramic Chip Capacitor - 25V, Ceramic Chip Capacitor - 25V, Ceramic Chip Capacitor - 25V, Ceramic Chip Capacitor - 25V, Ceramic Chip Capacitor - 35V, Ceramic Chip Capacitor - 35V, Ceramic Chip Capacitor - 35V, Ceramic Chip Capacitor - 35V, Ceramic Chip Capacitor - 35V, Tantalum Chip Capacitor: 22uF 25VDC	16
0603 E (8.2 x 4.3 mm)	100nF	22uF	C8, C9 C14, C21		2
LED sa rurom	LED_ON_OFF		D1	Avago HSMW-C265	1
LED sa rurom	LED_HREC		D2	Avago HSML-C265	1
LED sa rurom	LED_VENT		D3	Avago HSMR-C265	1
LED sa rurom	LED_SPEED_4		D4	Avago HSMW-C265	1
LED sa rurom	LED_SPEED_3		D5	Avago HSMW-C265	1
LED sa rurom	LED_SPEED_2		D6	Avago HSMW-C265	1
LED sa rurom	LED_SPEED_1		D7	Avago HSMW-C265	1
PIN1W2/E2-8 ASP1-4Q30S	Q2RG0120FF1E ASP1-4Q30S-100M-T		F1 L1, L2	30 VDC 2 A Resettable Fuse - PPTC Wire Wound Magnetically Shielded SMD Power Inductor	1 2
HDR1X3 TERMINAL BLOK 3	ICSP VENT		P1 P2	Header, 3-Pin 3 pinski terminal blok konektor	1 1
TERMINAL BLOK 2 SOT23, N	DC_IN		P3	Terminal blok konektor 3,5 mm	1
Z0MN3B14F			Q1, Q2	N-channel Enhancement Mode Vertical D-MOSFET	2
ERA-0603	470R		R1, R3, R4, R7, R8, R9, R13	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	7
ERA-0603	10K		R2, R6, R10, R11, R12, R18	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	6
ERA-0603	10R		R5	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	22K		R14, R16	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0603	120K		R15	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	1K2		R17	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	330K		R19	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
SENSOR_P AD	SENS_SPEED_1		S1		1
SENSOR_P AD	SENS_SPEED_2		S2		1
SENSOR_P AD	SENS_SPEED_3		S3		1
SENSOR_P AD	SENS_SPEED_4		S4		1
SENSOR_P AD	SENS_GUARD		S5		1
SENSOR_P AD	SENS_ON_OFF		S6		1
SENSOR_P AD	SENS_MODE		S7		1
STM-TSSOP20_N	STM32F030FP46		U1	ARM Cortex-M0 32-bit MCU, 16 KB Flash, 4 KB Internal RAM, 15 VOs, 20-pin TSSOP, -40 to 85 deg.C, Tube	1
SOIC14 SC70-LT5_N	CAP1298 24AA01T-VLT		U2 U3	8 channel capacitive sensor IC 1Kbit, 400kHz, 2.5V, I2C Serial EEPROM, 5-Pin SC70, Industrial Temperature, Tape and Reel	1 1
TSOT-26	AP63200		U4	2A synchronous buck converter	1
TSOT-26	AP63203		U5	2A synchronous buck converter	1

Approved	Notes