

sae_flipper (Bill Of Materials)

Ref Name	Qty	Component	Package	RS Part Number	Description
D4	1	1N4001	DIOD05		
D1;D2;D3	3	1N4148	DSC		
C3	1	1uF	DSC		
R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R14,R15,R16,R17,R18,R19,R20,R21,R22,R25,R26,R28	24	4k7	DSC		
C1,C2	1	22uF_polaris	DSC		
U8	1	74HC14	DIL		HEX_SchINV
C4,C5	1	220nF	DSC		
R29,R30,R31,R32	3	220_Ohm	DSC		
U2	1	TSR 0.5-2450 (TRACO POWER)	DSC		Voltage Regulator 5V
Q3,Q4,Q5	3	BS170	DSC		N-channel MOSFET
CONN2,15,16,17,18,19,20,21,22,23	10	con bornier 02Pts-Wago256-402	USER	115-0948	Bornier a levier 2Pts
CONN1,3,4,5,6,7,8,9,10,11,12	11	con bornier 03Pts-Wago256-403	USER	115-0948	Bornier a levier 3Pts
SV3	1	CON HE14 5P droit	MA05-1		vers afficheur MAX7219
SV1,SV2	2	CON GROVE droit	S04P		GROVE CONNECTOR I2C
U1	1	FRDM-KL25Z-ALL	DSC		FRDM KL 25Z
U4,U5,U6,U7	4	G3VM-61A1	DIL		relais statique
SV4	1	jumper A	MA03-1		PIN HEADER
U3	1	MAX3443EESA	SM		RS485 Fault protect transeiver
REL1	3	relais -5PIN-G2R-1	REL-5PIN	366-243	RELAY
OK1,2,3,4,5	5	TIL196	DIL16		TEXAS INSTRUMENTS OPTO COUPLER
Q1,Q2,Q6	1	TN2106N3	DSC		transistor NMOS VTH<2V