

MrNostart - RFID Killswitch

Bill of Material

Author:	SEWA
Company:	Wellental e.U.
Date:	25.10.2021
Revision:	2.2

PCB Assembly

Quantity	Comment	Designator	Description	Footprint	LibRef	Source
1	MLT-7525	A1	Buzzer SMD 5V 7.5x7.5mm 2700Hz	MLT-7525	A_MLT-7525	LCSC, Generic
4	100n/50V	C1, C3, C5, C6	100n 50V 0603	C_0603_IPC_N	C_Generic 100n/50V	LCSC, Generic
2	100u/25V	C2, C4	100u 25V Al-Elektrolyt THT RM2.5 D=6.3 H=11 Low ESR	CPOL_RM2.5_6.3_11	CPOL_EEU-FC1E101S	LCSC, Generic
3	MBR130T3G	D1, D3, D4	Schottky 1A 30V SOD123 MBR130T3G	SOD-123	D_MBR130T3G	LCSC, Generic
1	SMBJ14CA	D2	TVS BIDIR 14.0V 600W - Littlefuse	DO214AA-SMB	D_SMBJ14CA	LCSC, Generic
1	1SMA4729A	D5	Zener Diode 3V6 5% 1W SMA	DO214AC-SMA	D_1SMA4729A	LCSC, Generic
1	CFS12V6TR50	F1	Fuse 0.5AT 1206	F_1206_IPC_N_FUSE	F_CFS12V6TR50	LCSC, Generic
1	DW-08-15-T-S-395	MEC_BOM1	8 pin RM2.54 SIL Header	8 Pin SIL Header	MEC_BOM_Generic Mechanical Part_1	LCSC, Generic
1	Arduino Nano R3	PCB1	Arduino Nano R3 Board	Arduino Nano	PCB_ArduinoNano	AZ-Delivery
1	RFID-RC522	PCB2	RFID-RC522 Reader Board	RFID-RC522 - 10mm Standoff	PCB_RFID-RC522	AZ-Delivery
3	MMBT3904	Q1, Q3, Q4	NPN 40V 200mA SOT-23	SOT23-3	Q_MMBT3904	LCSC, Generic
1	MMBT3906	Q2	PNP 40V 200mA SOT-23	SOT23-3	Q_MMBT3906	LCSC, Generic
1	56R	R1	Generic 0603 1%	R_0603_IPC_N	R_Generic R 0603 1%	LCSC, Generic
1	1k	R2	Generic 0603 1%	R_0603_IPC_N	R_Generic R 0603 1%	LCSC, Generic
1	2k7	R3	Generic 0603 1%	R_0603_IPC_N	R_Generic R 0603 1%	LCSC, Generic
1	3k3	R4	Generic 0603 1%	R_0603_IPC_N	R_Generic R 0603 1%	LCSC, Generic
1	100R	R5	Generic 0603 1%	R_0603_IPC_N	R_Generic R 0603 1%	LCSC, Generic
1	10k	R6	Generic 0603 1%	R_0603_IPC_N	R_Generic R 0603 1%	LCSC, Generic
1	56k	R7	Generic 0603 1%	R_0603_IPC_N	R_Generic R 0603 1%	LCSC, Generic
1	200k	R8	Generic 0603 1%	R_0603_IPC_N	R_Generic R 0603 1%	LCSC, Generic
1	HFD3/12	REL1	DPDT	HFD3/12	REL_HFD3/12	LCSC, Generic
1	Generic 6x6 Tactile Switch	SW1	6x6 Tactile Switch RM 6.5 / 4.5 / 12mm Höhe	6x6 Tactile_SW_h_12	SW_Generic Tactile_Switch_6x6	LCSC, Generic
4	3867b68	X1, X2, X3, X4	Steckzunge, Flachstecker, 6.3mm Winkel	3876B6-Flachstecker-Winkel	X_3867b68	Conrad

Gehäuse

Quantity	Item	Description	Source
1	Gehäuse, Hauptschale		3D Druck
1	Gehäuse, Deckel		3D Druck
4	Nylon Schrauben	M3, 8mm, Kreuz	LCSC, Generic
1	Stahl Schraube	M3, 23mm, Innensechskant	Generic
2	Nylon Hexmutter	M3, 10mm	LCSC, Generic