

Stückliste M033-1

Ersteller: E-Werkstatt PI

(" n.b.) = Nicht Bestücken!

Pos.	Bauteilname	Anzahl	Gehäuseform	Wert	Lager Nr.	Bezeichnung	Beschreibung
1	BZ1	1	AI-1440-TWT-12V-R	3-16V; 7mA; 80dBA		AI-1440-TWT-12V-R	Buzzer/Summer Pui Audio
2	C1	1	CE-SMD-16MM	680uF/50V		865060663014	SMD Elko
3	C2, C13, C14, C16, C18, C19, C20, C21, C22, C23, C25, C28	28	0603SMD	100n	6802		SMD Keramik Kondensator
4	C3, C11, C51, C52, C60	5	0603SMD	10n	6797		SMD Keramik Kondensator
5	C4, C10	2	0603SMD	22n	6799		SMD Keramik Kondensator
6	C5	1	0805SMD	10u/35V		GRM21BR6Y106KE43L	SMD Keramik Kondensator
7	C6	1	0603SMD	1u0/35V		CGA3E1X7R1V105K080AC	SMD Keramik Kondensator
8	C7, C12, C15, C17, C28, C29, C31, C32, C33, C34, C35, C38	17	0603SMD	1u0/25V	6804		SMD Keramik Kondensator
9	C8	1	0805SMD	10u/25V	6831		SMD Keramik Kondensator
10	C9	1	0805SMD	22u/25V		GRM21BR61E22ME44L	SMD Keramik Kondensator
11	C24	1	CS-11 5MMX8.5MM_THT_RAD	0,1F/5,5V		NEXT10425.5V11.5X8.5F	Supercap Radial
12	C30, C57	2	CE-SMD-8MM	150uF/35V		865060553007	SMD Elko
13	C54, C55	2	0603SMD	?	?	?	SMD Keramik Kondensator
14	C58	1	CS-6.3MMX14MM_THT_RAD	0,47F/5,4V		SCMQ14D474PRB80	Supercap Radial
15	C59	1	0603SMD	100p	6775		SMD Keramik Kondensator
16	D1	1	TO-220_90+SK431	0,65Vf; 30A; 45V		MBR2545CTG	Diode doppelt, gem. Kathode
17	D2, D4	2	LED-0603SMD	3,2V,20mA;Green		1500606575000	SMD LED
18	D3	1	D-DO-214AB_SMC	24V/28,1V;1,5KW		824540241	SMD TVS-Schutzdiode
19	D5, D6, D10	3	LED-0603SMD	2V,20mA;Green	7155	150060V57000	SMD LED
20	D7, D8, D11	3	LED-0606SMD_BICOLOR_WE	2V,20mA;Red/Green		1500665V74000	SMD LED Bicolor (W · th)
21	D9	1	LED-0603SMD	2V,20mA;Red		150060R575000	SMD LED
22	D12	1	SOT23	1V/10mA; 140mA; 75V		BAW156VL	SMD Diode doppelt, gem. Anode
23	D13, D14, D15	3	D-DO-214AC_SMA	5V/6,7V;400W		824500500	SMD TVS-Schutzdiode
24	D16	1	LED-0603SMD	2V,20mA;Amber		150060A575000	SMD LED
25	D17	1	LED-1204SMD_90DEG	3,4V,20mA;Blue		155124B573200	SMD LED 90° (W · th)
26	D18	1	LED-1204SMD_90DEG	3,3V,20mA;Green		155124G573200	SMD LED 90° (W · th)
27	D19, D20	2	LED-0603SMD	3,2V,20mA;Blue		150060B575000	SMD LED
28	D21	1	SOT23	0,8V/100mA; 200mA; 30V		BAT54C-7-F	SMD Diode doppelt, gem. Kathode
29	D22	1	SOT23	0,8V/100mA; 200mA; 30V		BAT54A-7-F	SMD Diode doppelt, gem. Anode
30	D23, D24	2	D-SOD-323	Vr 300V; if 250mA; 1,1V/100mA	?	BAS211,115	SMD Diode
31	D51	1	LCD-20x4_Mono+BU-Fischer-BL5	20x4, Mono		HD44780 2004 AZ-Delivery	LCD Standard Display Monocolor
32	F1	1	F-OMNI-BLOK_154-Series_SMD	2A	5167	0154002.DRT	SMD Sicherung+Halter, Littlefuse Serie 154
33	J1, J2, J3, J8	4	BU-MSTBV_2,5/2-G-5,08_PXC-n1758018	2-Polig; 12A; 250V		1758018	Phoenix Contact Buchse RM5,08mm MSTB Serie gerade
34	J4, J24	2	ST-1X2_2.54MM	2- Polig, n.b.!			Stiftleiste
35	J5, J23	2	ST-1X4_2.54MM	4- Polig, n.b.!			Stiftleiste
36	J6	1	ST-1X5_2.54MM	5- Polig, n.b.!			Stiftleiste
37	J7	1	ST-1X8_2.54MM	8- Polig, n.b.!			Stiftleiste
38	J9, J18	2	BU-JST_B03B-XASK-1	3-Polig	6031	B03B-XASK-1(LF)(SK)	JST Buchse gerade
39	J10, J11, J14, J17, J20, J22	6	BU-JST_B04B-XASK-1	4-Polig	6032	B04B-XASK-1(LF)(SK)	JST Buchse gerade
40	J12, J16, J19	3	BU-JST_B05B-XASK-1	5-Polig		B05B-XASK-1(LF)(SN)	JST Buchse 90°-/gerade
41	J13, J15, J21, J25, J26, J27, J28	7	BU-JST_B02B-XASK-1	2-Polig		B02B-XASK-1(LF)(SN)	JST Buchse 90°-/gerade
42	JU1, JU2, JU3, JU4	4	ST-1X3_2.54MM	3-Polig	2084		Jumper mit 3 Kontakten
43	JU9, JU10	2	ST-1X2_2.54MM	open	2084		Jumper mit 2 Kontakten
44	Mod2	1	Module-UB232R	3Mbaud; USB-Mini		UB232R	FTDI USB2 zu UART Modul
45	MOD1	1	Arduino-Mega2560R3_Socket	AVR ATmega2560; 16MHz; 256KB Flash		A000067	Arduino Mega 2560 Board
46	PO1, PO2, PO3, PO4	4	PK-RO9K1130A70	10K;1 Gang;Lin		RK09K1130A70	Potentiometer ALPS RK09K Serie
47	PO5	1	PO-3296W	10K	2016	3296W-1-103	Potentiometer
48	R1, R3, R71, R72	4	R-0603SMD	4K3	5793		SMD Chipwiderstand
49	R2, R8, R41, R42, R44, R49, R50, R52, R55, R56, R57, R58	19	R-0603SMD	10K	5802		SMD Chipwiderstand
50	R4	1	R-0603SMD	62K	5821		SMD Chipwiderstand
51	R5, R6	2	R-0603SMD	39K	5816		SMD Chipwiderstand
52	R7	1	R-0603SMD	820R	5776		SMD Chipwiderstand
53	R9, R46, R73, R74, R96, R97	6	R-0603SMD	4K7	5794		SMD Chipwiderstand
54	R10, R13, R14	3	R-0603SMD	620R	5773		SMD Chipwiderstand
55	R11, R12, R15	3	R-0603SMD	160R	5759		SMD Chipwiderstand
56	R16, R79, R80, R81, R82, R87	6	R-0603SMD	1K	5778		SMD Chipwiderstand
57	R17, R98	2	R-0603SMD	33K	5814		SMD Chipwiderstand
58	R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29	19	R-0603SMD	22K	5785		SMD Chipwiderstand
59	R37, R38	2	R-0603SMD	16K9		ERJ-3EKF1692V	SMD Chipwiderstand
60	R39, R40	2	R-0603SMD	3K3	5790		SMD Chipwiderstand
61	R43	1	R-0603SMD	130R	5757		SMD Chipwiderstand
62	R45	1	R-0603SMD	5K1	5795		SMD Chipwiderstand
63	R47	1	R-0603SMD	1K2	5780		SMD Chipwiderstand
64	R48, R54	2	R-0603SMD	180R	5760		SMD Chipwiderstand
65	R51, R53, R60, R61, R63	5	R-0603SMD	22K	5810		SMD Chipwiderstand
66	R65, R66	2	R-0603SMD	330R	5766		SMD Chipwiderstand
67	R67, R83, R85, R86	4	R-0603SMD	1K/0,1%		ERA-3AEB102V	SMD Chipwiderstand
68	R68, R84	2	R-0603SMD	249K/0,1%		ERA-3AEB2493V	SMD Chipwiderstand
69	R75, R76	2	R-0603SMD	?			SMD Chipwiderstand
70	R77, R78	2	R-0603SMD	51R	5747		SMD Chipwiderstand
71	R89	1	R-0603SMD	30K	5813		SMD Chipwiderstand
72	R91, R94	2	R-0603SMD	27R	5740		SMD Chipwiderstand
73	R92, R93, R95	3	R-0603SMD	47K	5818		SMD Chipwiderstand
74	SW1	1	SW-FSMRA2JH_MIKROTASTER_90-	24V/50mA; SPST		FSMRA2JH / 1825027-5	Mikrotaster 90° abgewinkelt
75	SW2, SW4	2	TDSO-14+PP	2Ch.;24V;4A;62mR		BT60302ERAXUMA1	SMD dual High-Side Power Switch
76	SW3	1	WS-ENTV_MECH-ENCODER_WE	5V;10mA;15P/360;-30-Pos		482016514001	Mechanischer Rotary Encoder mit Taster WE
77	U1	1	SIP-3_Mag7C_WE	5V/1A In.b.!		173010578	Schaltregler Fest
78	U2	1	SO-8	20A; 5V; 1,2mR		ACS724LLCTR-20AU-T	SMD Hall Current Sensor
79	U3	1	TO-263-7EP	Adj.V/1A		171012401	SMD Schaltregler Variabel
80	U4	1	SO-16_WIDE	56Byte RAM		DS1338C-33	SMD Real Time Clock mit I2C
81	U5, U13, U17	3	SOT23	25V/0,68A		FDV303N	N-Channel MOSFET
82	U6	1	TSSOP-24	8-Ch.		TC9A548APWR	I2C Switch
83	U7, U8, U9, U10	2	SEN-HSC/SSC_DIP8_Honeywell	I2C		HSCDXXXXXXX[2-7]XX	Honeywell Drucksensor HSC/SSC Serie
84	U7, U8, U9, U10	2	SEN-HSC/SSC_DIP8_Honeywell	I2C		HSCDXXXXXXX[2-7]XX	Honeywell Drucksensor HSC/SSC Serie
85	U11, U15	2	SO-8	2Ch; 100uA		REF200	SMD Stromquelle doppelt
86	U12, U16	2	MSOP-8	1MHz; Rtr-I/O		AD8237ARMZ	SMD Instrumentenverstärker
87	U14	1	SO-8	2Ch; Rtr-I/O; 20MHz; +65/-100mA		LM7322MA	SMD Operationsverstärker 2-Fach
88	ZD1	1	D-SOD-123	3,3V at 50uA	7126	MMS24684T1G	SMD Zener-Diode
90							
91	Notaus	1					
92	Netzfilter 1A mit Kaltgerätestecker	1			5494	FN 9222-1/06	
93	Sicherungshalter	2			1443		
94	Netzschalter?	1			Lager		
95	12V Netzteil	2					
96	24V Netzteil	2					
97	Motor Option 1	1		3 Nm 3 A			Schrittmotor
98	Motor Option 2	1		5,5 Nm 5,9 A DS			Schrittmotor
99	Motor Option 3	1		8,2 Nm 6,4 A DS			Schrittmotor
100	Motor Option 4	1		11 Nm 5 A			Schrittmotor
101	Endschalter	1					
102	Positionssensor	1				AMS2255A18HBF1334	
103	Schrittmotor Treiber Shield	1		10A		X-NUCLEO-IHM03A1	Arduino Shield
104	Temperatursensor	2				TMP36	Temperatursensor
105	Temperatursensor	2				LMT87LPG	Temperatursensor
106	Einbaubuchse Temperatursensor Lötanschluss	2		5 polig	1004	KFV 50/6	
107	Kabelstecker Temperatursensor Lötanschluss	2		5 polig	1007	SV 50/6	
108	Heizfolie 12V	1					
109	Heizfolie 24V	1					
110	Drucktaster	2			1253		
111	Kippeschalter Beamtung Ein/Aus	1		2 polig Ein/Ein	1126		
112	Kippeschalter Moduswahl	1		1 polig Ein/Ein	1125		
113	Lichtleiter	3			7004		
114	Gegenstück für J1, J2, J3, J8	4					
115	JST Stecker 2-Pol XAP-02V-1	4		2 polig		XAP-02V-1	JST Wire-To-Board-Steckverbinder
116	JST Stecker 3-Pol XAP-03V-1	3		3 polig	6034	XAP-03V-1	JST Wire-To-Board-Steckverbinder
117	JST Stecker 4-Pol XAP-04V-1	4		4 polig	6035	XAP-04V-1	JST Wire-To-Board-Steckverbinder
118	JST Stecker 5-Pol XAP-05V-1	3		5 polig		XAP-05V-1	JST Wire-To-Board-Steckverbinder
119	JST Buchsenkontakt	48			6036	BXA-001T-P0.6	JST Buchsenkontakt
120	Schlauch für Drucksensoren						
121	Kühlkörper für Diode T220	1				SK 431 1	
122	Abstandshalter, Mutttern, Schrauben						
123	Abstandsbolzen, Innen-/Innen-, M3 M3, 9 mm						