GMZ100 Schematic

RS485, **5Volt Power**, **LED-Ansteuerung**, **Relaisansteuerung**, **Verbindung zur Prozessorplatte**, **BlinkLED bei Akkubetrieb**, **Display**, **Akku - Zustandsanzeige**, **Taster**

Title	GMZ100
Subtitle	Schematic
Size	A4
Number	
Revision	A
Date	17-09-2013
Sheet	1 of 12
File	GMZ100.SchDoc

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Comment	Description	Designator	Footprint	LibRef	Quantity
1µF	847342	C1, C4	1206	Kon_SMD_1206_X7R_10M_16V_10%	2
100nF	847366	C2, C3, C6, C19, C20, C21, C22, C23, C26	0805	Kon_SMD_0805_K8R_100N_50V_10%	9
1µF	847339	C7, C8, C9, C10, C11, C12, C13, C14, C15, C24, C25	0805	Kon_SMD_0805_X7R_1M_16V_10%	11
22pF	847368	C16, C17, C18	0805	Kon_SMD_0805_K8R_22P_50V_5%	3
MAX3082	845074	D1	SO8	IC_SMD_MAX 3082ECSA_SO8	1
74HC594	845153	D2, D3, D4, D5	SO16	IC_SMD_74HC594_SO16	4
LM3914		D6	PLCC20	LM3914	1
FPG4		F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12	Sicherung_steh	Sicherungshalter_stehend	12
PIC18F26K22	845183	IC1	SO28	IC_SMD_PIC18F26K22_SO28	1
CON25	Connector	J1, J2		CON25	2
Relais_24VDC_1W8A_AgSnO_MSR	848219	K1, K2, K3, K4, K5, K6, K7, K8, K9	Rel_V23061B	Relais_24VDC_1W8A_AgSnO_MSR	9
Ind_SMD_Drossel_2x51µH	848005	L1	Ind_WE-SL1	Ind_SMD_Drossel_2x51µH_0,3A	1
LED/gelb	832023	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9	LED_0805	Diod_SMD_LED_geb_0805	9
78M05	847965	N1	SOT252	IC_SMD_78M05_SOT252	1
11,0592MHz	845065	Q1	QUARZ_HC-49US_SMD	Quarz_SMD_11,0592MHZ_HC-49/US	1
25V	846707	R1	0805	Var_SMD_SIOV_CT1210K25G	1
330R	846945-37	R2, R3, R4, R5, R6, R7, R8	0805	Widst_SMD_0805_r_330R_0,1W_1%	7
1k	847000-300	R9, R17, R18, R19	0603	Widst_SMD_0603_r_1k00_0,06W_1%	4
3k9	846945-63	R10	0805	Widst_SMD_0805_r_3k9_0,1W_1%	1
470k	847000-565	R11, R12	0603	Widst_SMD_0603_r_470k_0,06W_1%	2
2k4	846945-58	R13	0805	Widst_SMD_0805_r_2k4_0,1W_1%	1
100k	847000-500	R14, R15, R16	0603	Widst_SMD_0603_r_100k_0,06W_1%	3
4k7	846945-65	R20, R21, R24, R25	0805	Widst_SMD_0805_r_4k7_0,1W_1%	4
120R	846938	R22	0805	Widst_SMD_MM_m_120R_0,25W_1%	1
10k	846945-73	R23	0805	Widst_SMD_0805_r_10k_0,1W_1%	1
1k2	846945-51	R26, R27	0805	Widst_SMD_0805_r_1k2_0,1W_1%	2
2k2	846945-57	R28, R29	0805	Widst_SMD_0805_r_2k2_0,1W_1%	2
2k	847000-329	R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54	0603	Widst_SMD_0603_r_2k0_0,06W_1%	24
Wartung	830064	S1	Schalt_s_Kipp_1W_ESD_m.Mittels	Schalt_s_schieb_2W_JSS-2209	1
S 1-0-1	848397	S2, S3, S4, S5, S6, S7, S8, S9	Schalt_s_Kipp_1W_ESD_m.Mittels	Schalt_s_Kipp_1W_ESD_m.Mittels	8
Taster	830015	T16	Schalt_t_KSM0613A_9,5mm	Schalt_t_KSM0613A_9,5mm	1
LCD_DISPLAY		U1		LCD_DISPLAY	1
3V3	847583	V1, V2, V3, V4	DMMELF	Diod_SMD_Z_0,5W_3V3_MINIMELF	4
BC856B	847852	V5	SOT23	Trans_SMD_SOT23_BC856B	1
BC846B	847857	V6, V7, V18, V19	SOT23	Trans_SMD_SOT23_BC846B	4
SM712	847608	V8	SOT23	Diod_SMD_SM712_SOT23	1
BAR43C	847549	V9	SOT23	Diod_SMD_BAR43C_SOT23	1
BAW56	847557	V10, V11, V12, V13, V14, V15, V16, V17	SOT23	Diod_SMD_DOPPE_BAW56_85V_SOT23	8
rt		V20, V21, V22, V28, V29	LED_Reverse	Diod_SMD_LED_rot_Reverse	5
gn		V23, V24, V25, V26, V27	LED_Reverse	Diod_SMD_LED_grün_Reverse	5
1N4148W		V30, V31	SOD123	1N4148W	2
SSB44	847527	V32, V33, V34	DO214AC	Diod_SMD_SS24-L_DO214AC	3
FQD7P20	847839	V35	SOT252	Trans_SMD_SOT252_FQD7P20	1
Stiftleiste_1x5pol_RM2.54		X1	Stiftleiste 5pol	AST12505	Stiftleiste_1x5pol_RM2.54	1
Stiftleiste_2x10pol	Header, 10-Pin, Dual row	X2	AST12505	Header 10X2	1
AST12505		X3, X4, X5, X6, X7, X8, X9, X12	AST12505	AST12505	8
AST12503		X10	AST12503	AST12503	1
AST12504		X11, X13	AST12504	AST12504	2
Stiftleiste_2x10pol	Header, 10-Pin, Dual row	X14	HDR2X10	Header 10X2	1
Litze braun	PAD	X15	PAD	PAD	1
Litze blau	PAD	X16, X19, X21	PAD	PAD	3
Litze grün/gelb	PAD	X17	PAD	PAD	1
Litze schwarz	PAD	X18, X20	PAD	PAD	2