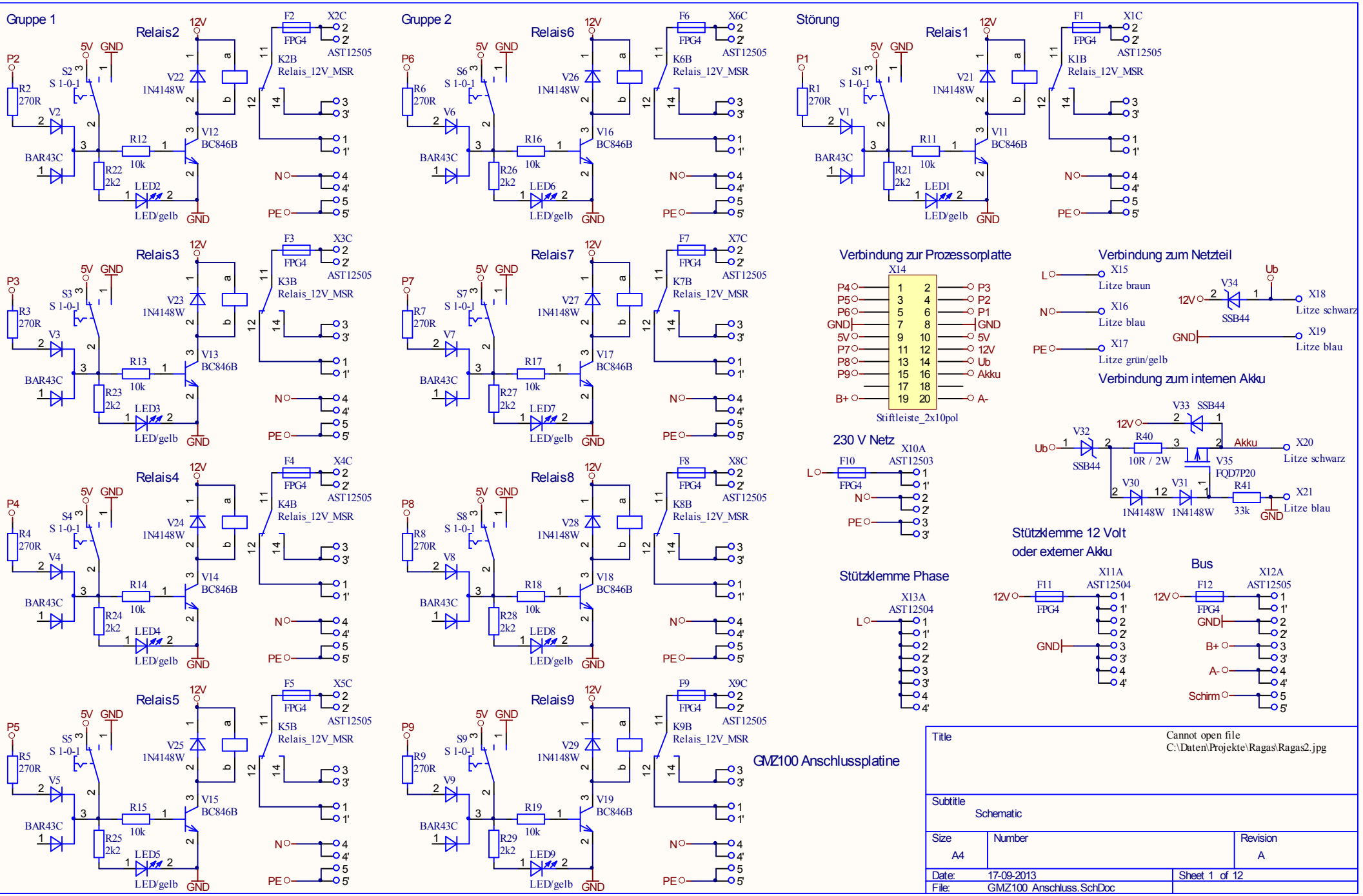
Gruppe 1
Relais2
P2
R2 270R
S2 S 1-0-1
V2 BAR43C
R12 10k
R22 2k2
V22 1N4148W
V12 BC846B
LED2 LED/gelb
F2 FPG4
X2C AST12505
K2B Relais_12V_MSR
Relais3
P3
R3 270R
S3 S 1-0-1
V3 BAR43C
R13 10k
R23 2k2
V23 1N4148W
V13 BC846B
LED3 LED/gelb
F3 FPG4
X3C AST12505
K3B Relais_12V_MSR
Relais4
P4
R4 270R
S4 S 1-0-1
V4 BAR43C
R14 10k
R24 2k2
V24 1N4148W
V14 BC846B
LED4 LED/gelb
F4 FPG4
X4C AST12505
K4B Relais_12V_MSR
Relais5
P5
R5 270R
S5 S 1-0-1
V5 BAR43C
R15 10k
R25 2k2
V25 1N4148W
V15 BC846B
LED5 LED/gelb
F5 FPG4
X5C AST12505
K5B Relais_12V_MSR
Gruppe 2
Relais6
P6
R6 270R
S6 S 1-0-1
V6 BAR43C
R16 10k
R26 2k2
V26 1N4148W
V16 BC846B
LED6 LED/gelb
F6 FPG4
X6C AST12505
K6B Relais_12V_MSR
Relais7
P7
R7 270R
S7 S 1-0-1
V7 BAR43C
R17 10k
R27 2k2
V27 1N4148W
V17 BC846B
LED7 LED/gelb
F7 FPG4
X7C AST12505
K7B Relais_12V_MSR
Relais8
P8
R8 270R
S8 S 1-0-1
V8 BAR43C
R18 10k
R28 2k2
V28 1N4148W
V18 BC846B
LED8 LED/gelb
F8 FPG4
X8C AST12505
K8B Relais_12V_MSR
Relais9
P9
R9 270R
S9 S 1-0-1
V9 BAR43C
R19 10k
R29 2k2
V29 1N4148W
V19 BC846B
LED9 LED/gelb
F9 FPG4
X9C AST12505
K9B Relais_12V_MSR
Störung
Relais1
P1
R1 270R
S1 S 1-0-1
V1 BAR43C
R11 10k
R21 2k2
V21 1N4148W
V11 BC846B
LED1 LED/gelb
F1 FPG4
X1C AST12505
K1B Relais_12V_MSR
5V
GND
12V
N
PE
Verbindung zur Prozessorplatte
X14
Stiftleiste_2x10pol
P4 P5 P6 GND 5V P7 P8 P9 B+
P3 P2 P1 GND 5V 12V Ub Akku A-
230 V Netz
X10A AST12503
F10 FPG4
L N PE
Stützklemme Phase
X13A AST12504
L
Verbindung zum Netzteil
X15 Litze braun
X16 Litze blau
X17 Litze grün/gelb
V34 SSB44
Ub
X18 Litze schwarz
X19 Litze blau
Verbindung zum internen Akku
V33 SSB44
V32 SSB44
R40 10R / 2W
V35 FQD7P20
Akku
X20 Litze schwarz
V30 1N4148W
V31 1N4148W
R41 33k
X21 Litze blau
Stützklemme 12 Volt
oder externer Akku
X11A AST12504
F11 FPG4
Bus
X12A AST12505
F12 FPG4
GND
B+
A-
Schirm
GMZ100 Anschlussplatine
Title
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Subtitle
Schematic
Size
A4
Number
Revision
A
Date: 17-09-2013
Sheet 1 of 12
File: GMZ100_Anschluss.SchDoc

Comment	Description	Designator	Footprint	LibRef	Quantity
10µF	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_KBR_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_KBR_22P_50V_5%	3
MAX3082	845074	D1	SO8	IC_SMD_MAX 3082 ECSA_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_stehend	Sicherungshalter_stehend	12
PIC18F26K22	845183	IC1	SO28	IC_SMD_PIC18F26K22_SO28	1
CON25	Connector	J1, J2		CON25	2
Relais_24VDC_1W_6A_AgSnO_MSR	848219	K1, K2, K3, K4, K5, K6, K7, K8, K9	Rel_V23061B	Relais_24VDC_1W_6A_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_gelb_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_CT210K25G	1
330R	846945-37	R2, R3, R4, R5, R6, R7, R8	0805	Widst_SMD_0805_t_330R_0,1W_1%	7
1k	847000-300	R9, R17, R18, R19	0603	Widst_SMD_0603_t_1k00_0,06W_1%	4
3k9	846945-63	R10	0805	Widst_SMD_0805_t_3k9_0,1W_1%	1
470k	847000-565	R11, R12	0603	Widst_SMD_0603_t_470k_0,06W_1%	2
2k4	846945-58	R13	0805	Widst_SMD_0805_t_2k4_0,1W_1%	1
100k	847000-500	R14, R15, R16	0603	Widst_SMD_0603_t_100k_0,06W_1%	3
4k7	846945-65	R20, R21, R24, R25	0805	Widst_SMD_0805_t_4k7_0,1W_1%	4
120R	846938	R22	0805	Widst_SMD_MM_t_120R_0,25W_1%	1
10k	846945-73	R23	0805	Widst_SMD_0805_t_10k_0,1W_1%	1
1k2	846945-51	R26, R27	0805	Widst_SMD_0805_t_1k2_0,1W_1%	2
2k2	846945-57	R28, R29	0805	Widst_SMD_0805_t_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_t_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_DOPPEL_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	Stiftleiste 5pol	X1	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