

# Aufbau

## Downloads für den EMS-Gateway:



[EMS-Gateway V2.0](#)

[EMS-Gateway V2.1](#)

[Bestückung Oben V2.1](#)

[Bestückung Unten V2.1](#)

Es gibt noch Platinen aus der „Überproduktion“. Allerdings nur zum selber löten. Die Bauteile in der farbig hinterlegten Spalte habe ich noch übrig und werden bei einer Platine mitgeliefert.

# Bauteilliste

## Downloads für den EMS-Gateway:



[EMS-Gateway V2.0](#)

[EMS-Gateway V2.1](#)

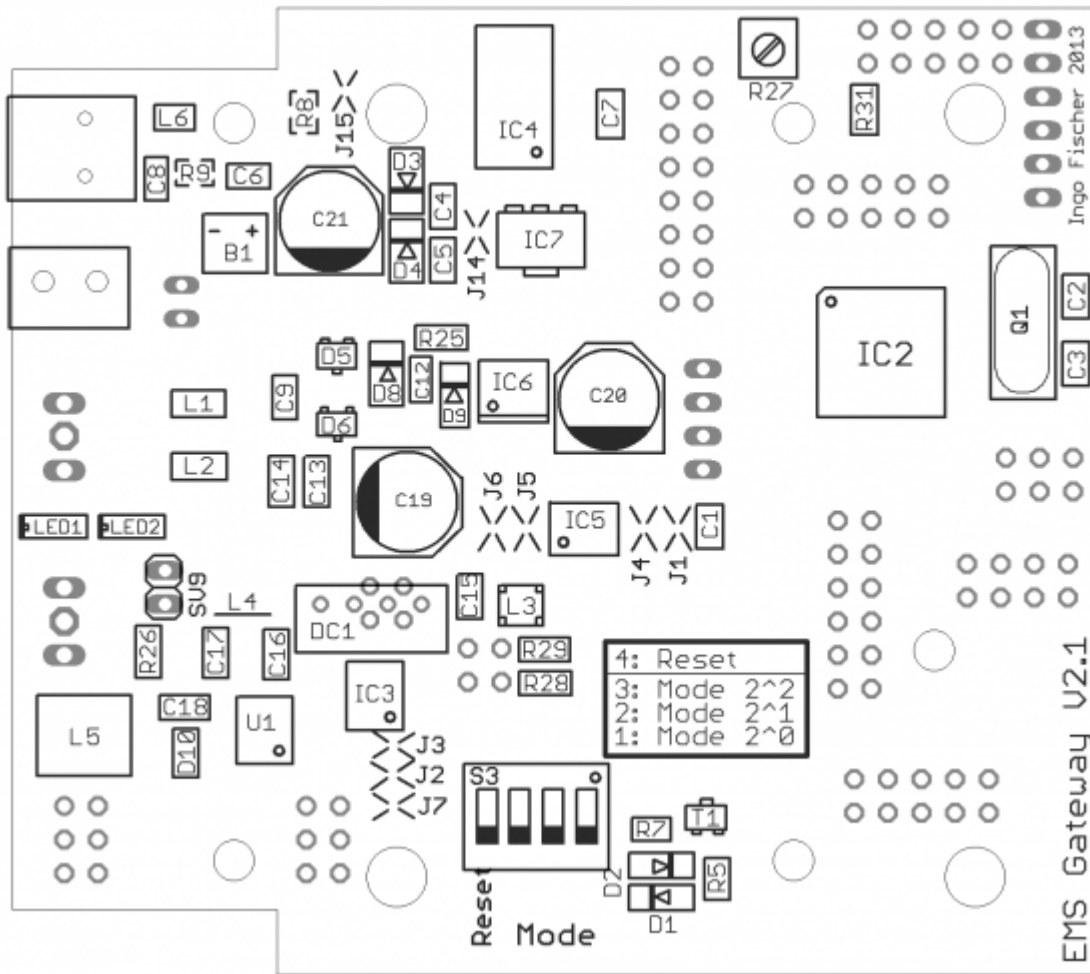
[Bestückung Oben V2.1](#)

[Bestückung Unten V2.1](#)

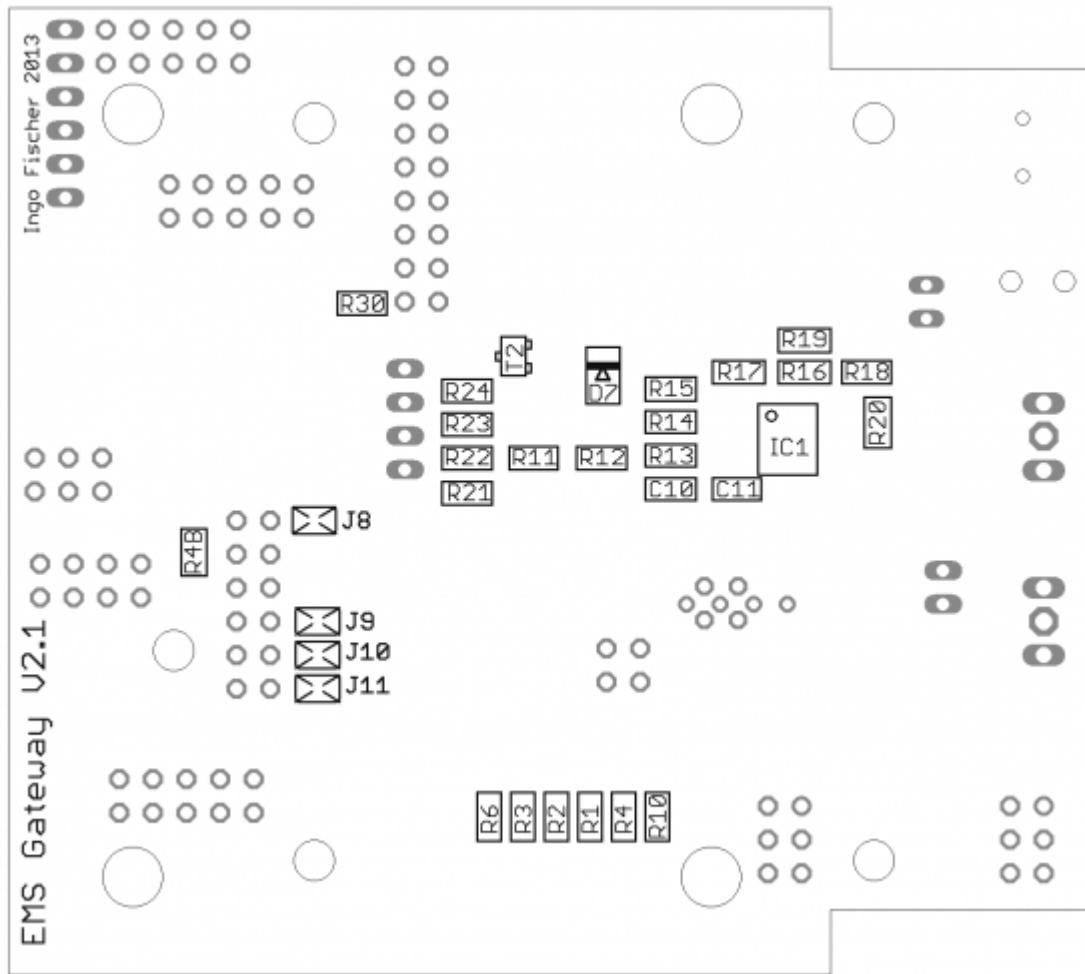
@#dddddd:Wert	@#dddddd:Bauform	@#dddddd:Bauteile
@#ddffbb:blau	@#ddffbb:c2	@#ddffbb:LED1
orange	c2	LED2
1n	C-EUC0805	C11
10µ	C-EUC0805	C10
10k	R-TRIMM3314J	R27
@#ddffbb:10MHz	@#ddffbb:CRYSTALSM49	@#ddffbb:Q1
68p	C-EUC0805	C9
78L05SMD	78L05SMD	IC6
LD1117	LD1117S50TR	IC7
100	R-EU_R0805	R30
100k	R-EU_R0805	R15
330	R-EU_R0805	R25
390	R-EU_R0805	R12
560	R-EU_R0805	R2
@#ddffbb:ADUM1201	@#ddffbb:ADUM1201	@#ddffbb:IC3, IC5
BAT46SMD	BAT46SMD	D8
BC847	BC847	T2
BC857ASMD	BC857ASMD	T1
BLM21PG221 SN1D	WE-KIHQ_0805	L6
@#ddffbb:DC-8S	@#ddffbb:DC-8S	@#ddffbb:X4
@#ddffbb:DCPP3	@#ddffbb:DCPP3	@#ddffbb:X4b
EMS-Bus	W237-02P	X2
@#ddffbb:FT245RL	@#ddffbb:FT245RL	@#ddffbb:IC4
@#ddffbb:LM393D	@#ddffbb:LM393D	@#ddffbb:IC1
MB4S	MB4S	B1
MINI-USB-B	Würth 65100516121	X3
@#ddffbb:CAN, EMS-Bus	@#ddffbb:W237-02P	@#ddffbb:X1, X2
@#ddffbb:Mode/Reset	@#ddffbb:SWS004	@#ddffbb:S3

PIC18F4580_TQFP	PIC18F4580_TQFP	IC2
1k	R-EU_R0805	R1, R5
4 $\mu$ 7	WE-CBF_1210	L1, L2
10n	C-EUC0805	C8, C13
22p	C-EUC0805	C2, C3
47k	R-EU_R0805	R7, R13
270	R-EU_R0805	R3, R6
330n	C-EUC0805	C4, C12
470	R-EU_R0805	R28, R29
BAT54S	BAT54S	D5, D6
47 $\mu$ / 50V	CPOL-EUE	C19, C20, C21
910	R-EU_R0805	R21, R22, R23, R24
@#ddffbb:100n	@#ddffbb:C-EUC0805	@#ddffbb:C1, C5, C6, C7, C14, C15, C16, C17, C18
@#ddffbb:1N4148SMD	@#ddffbb:1N4148SMD	@#ddffbb:D1, D2, D3, D4, D7, D9
4k7	R-EU_R0805	R8, R16, R17, R18, R19, R20
10k	R-EU_R0805	R4, R4B, R9, R10, R11, R14, R31
1 $\mu$ 2	WE-CBF_1210	L4
120	R-EU_R0805	R26
@#ddffbb:ACM3225	@#ddffbb:ACM3225	@#ddffbb:L3
@#ddffbb:MCP2551SN	@#ddffbb:MCP2551SN	@#ddffbb:U1
PSD2CAN	PSD2CAN	D10
Term.	PINHD-1x2	SV9
@#ddffbb:VA-0505S	@#ddffbb:VA-0505S	@#ddffbb:DC1
ZJYS81	ZJYS81	L5

# Bestückung Oberseite



# Bestückung Unterseite



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