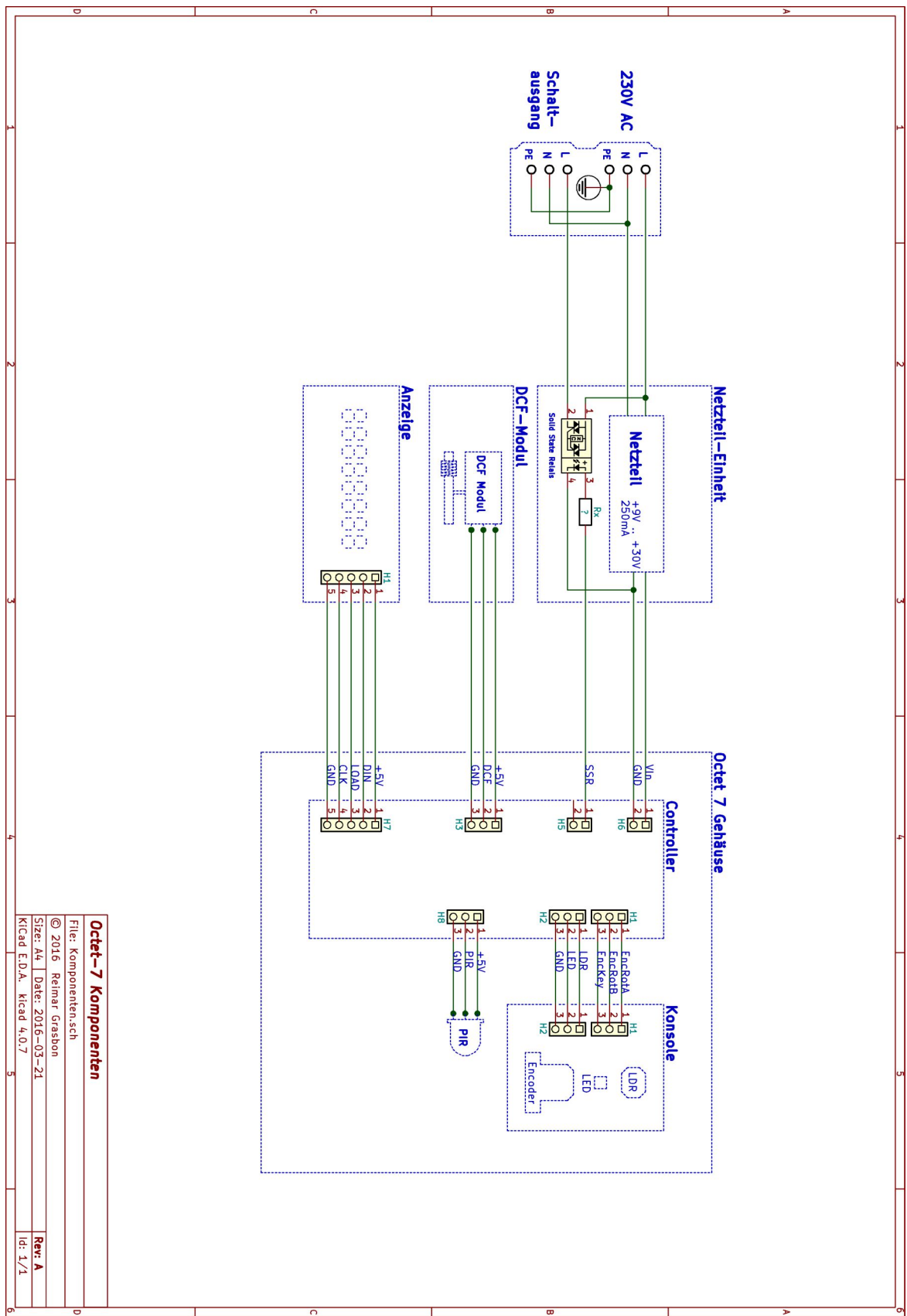
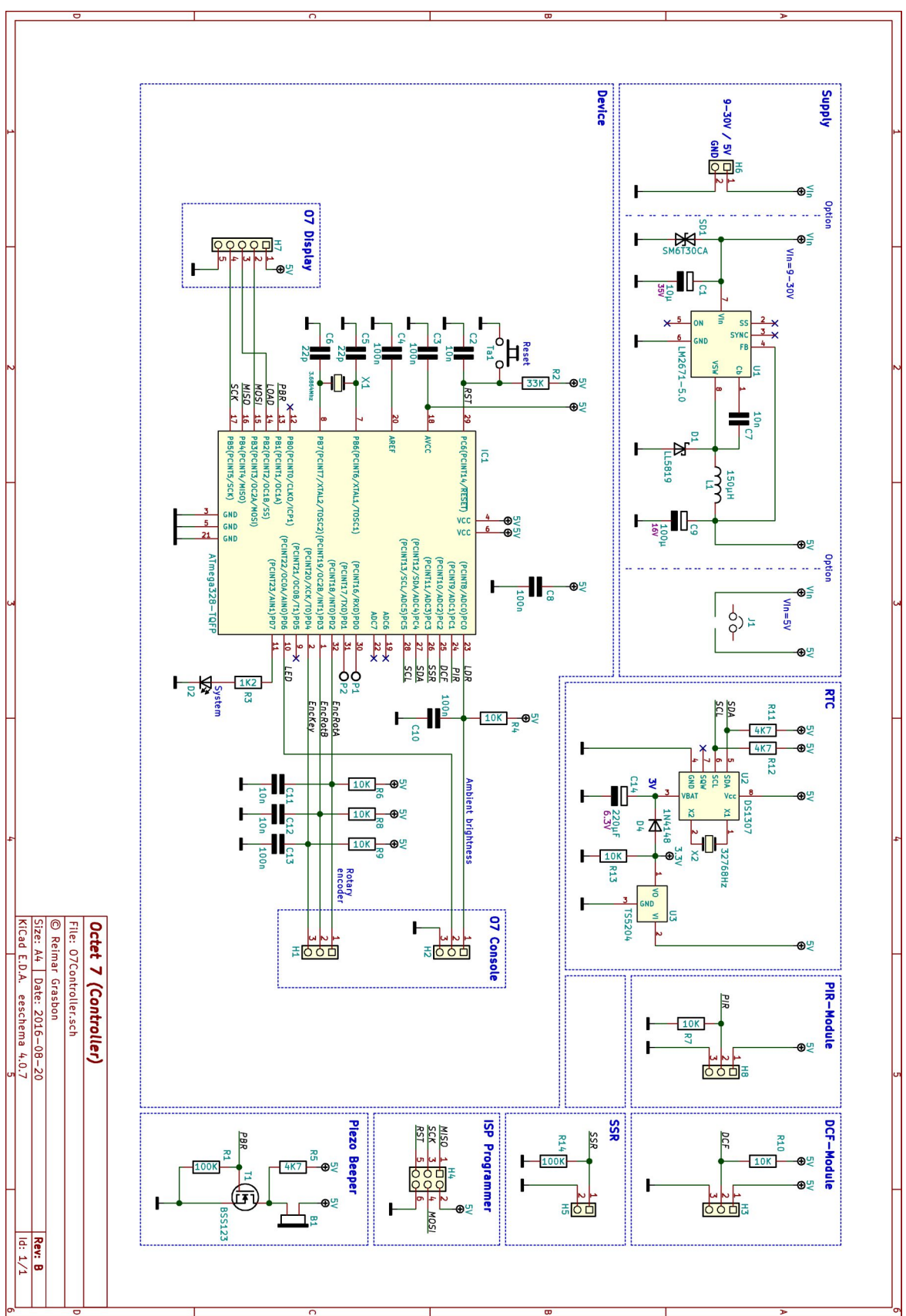


Octet-7 Komponenten



Octet-7 Komponenten			
File: Komponenten.sch			
© 2016 Reimar Grasbon			
Size: A4 Date: 2016-03-21			
Kicad E.D.A. Kicad 4.0.7			
Rev: A			
Id: 1/1			

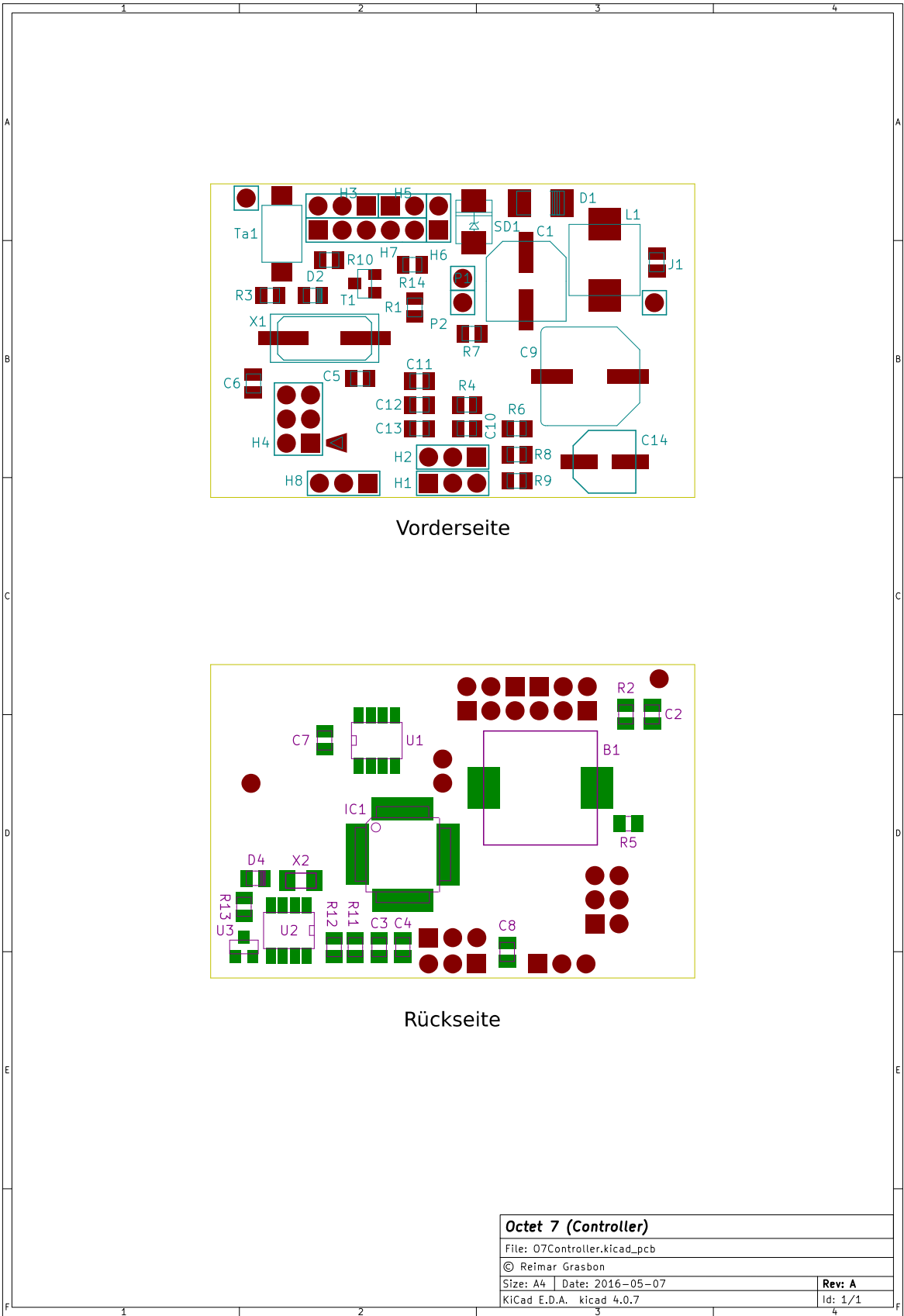
Octet-7 Controller: Schaltplan

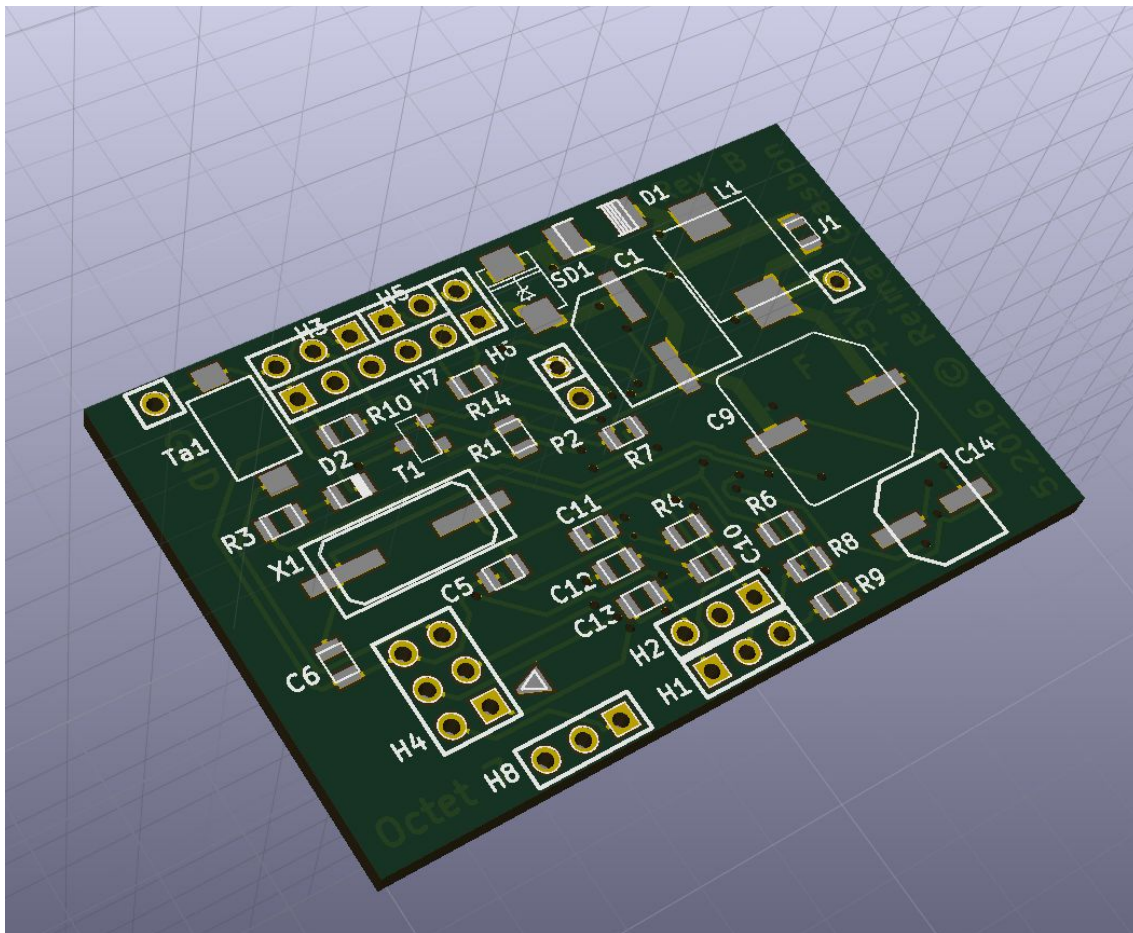


Octet 7 (Controller)

File: 07Controller.sch	
© Retmar Grässon	
Size: A4 Date: 2016-08-20	Rev: B
KiCad E.D.A. eeschema 4.0.7	Id: 1/1

Octet-7 Controller: Leiterplatte (200%) Bestückung



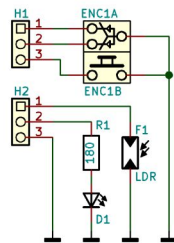


Octet-7 Controller: Stückliste

Ref	Wert	Bauform
B1	Ekulit P12A03	SMD-P16
C1	10μ	SMD Elko 83x83mm
C2	10n	SMD 0805
C3	100n	SMD 0805
C4	100n	SMD 0805
C5	22p	SMD 0805
C6	22p	SMD 0805
C7	10n	SMD 0805
C8	100n	SMD 0805
C9	100μ	SMD Elko-103x103mm
C10	100n	SMD 0805
C11	10n	SMD 0805
C12	10n	SMD 0805
C13	100n	SMD 0805
C14	220μF	SMD Elko-66x66mm
D1	LL5819	SMD Diode-50X25MM
D2	LED	SMD Pol-0805
D4	1N4148	SMD Pol-0805
H1	Pin_03	THT Pin-03x1

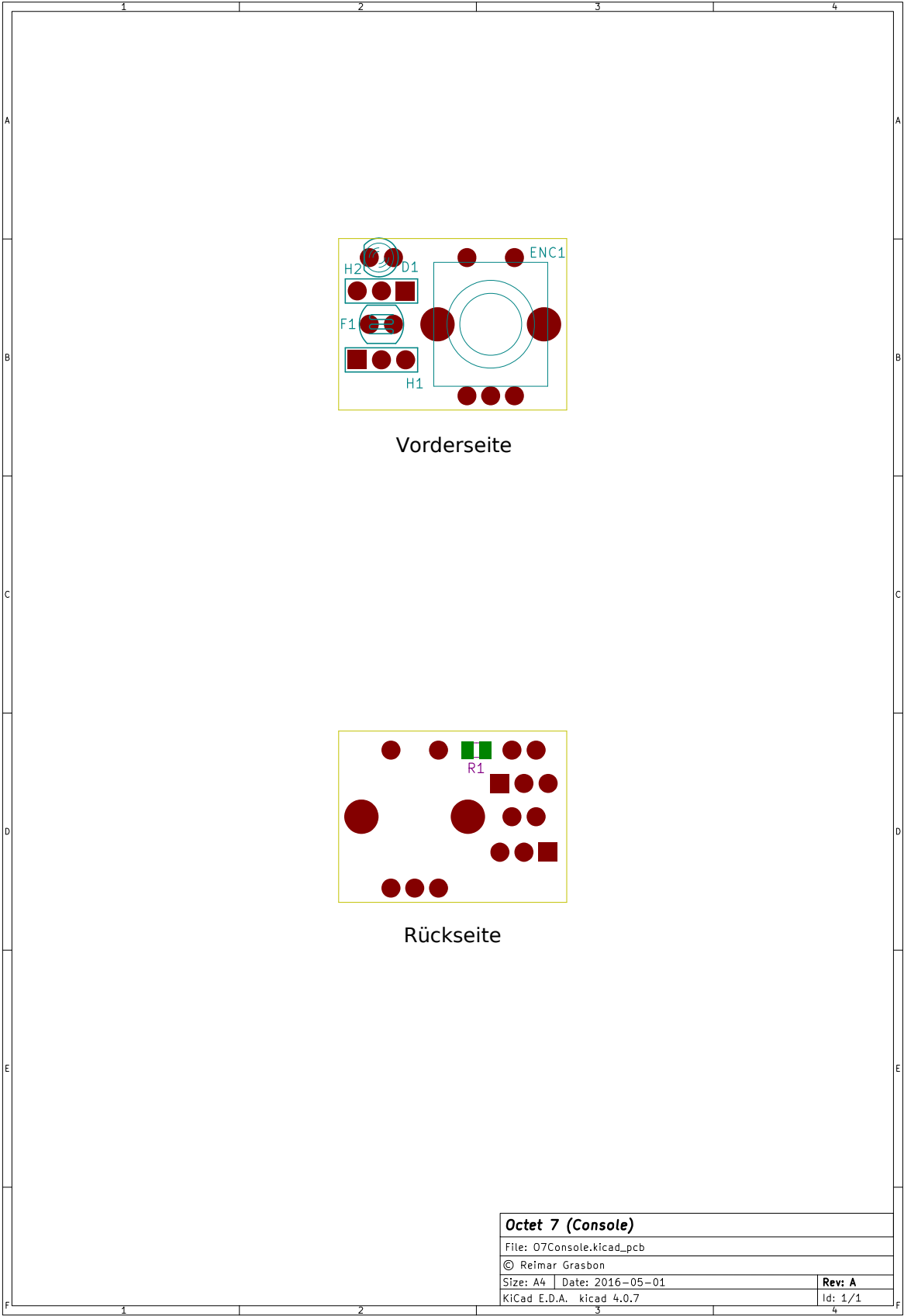
H2	Pin_03	THT Pin-03x1
H3	Pin_03	THT Pin-03x1
H4	Pin_03x2	THT Pin-03x2
H5	Pin_02	THT Pin-02x1
H6	Pin_02	THT Pin-02x1
H7	Pin_05	THT Pin-05x1
H8	Pin_03	THT Pin-03x1
IC1	ATmega328	SMD TQFP32
J1	Jumper	SMD 0805
L1	150µH	SMD Induk-73x73mm
P1	Pad_1	THT Pin-01
P2	Pad_1	THT Pin-01
R1	100K	SMD 0805
R2	33K	SMD 0805
R3	1K2	SMD 0805
R4	10K	SMD 0805
R5	4K7	SMD 0805
R6	10K	SMD 0805
R7	10K	SMD 0805
R8	10K	SMD 0805
R9	10K	SMD 0805
R10	10K	SMD 0805
R11	4K7	SMD 0805
R12	4K7	SMD 0805
R13	10K	SMD 0805
R14	100K	SMD 0805
SD1	SM6T30CA	SMD Diode-DO-214AA
T1	BSS123	SMD SOT23
Ta1	Taster	SMD Taster-60x42mm
U1	LM2671-5.0	SMD SO8E
U2	DS1307	SMD SO8E
U3	TS5204	SMD SOT23
X1	3.6864Mhz	SMD Quarz-HC49
X2	32768Hz	SMD Quarz-32x15

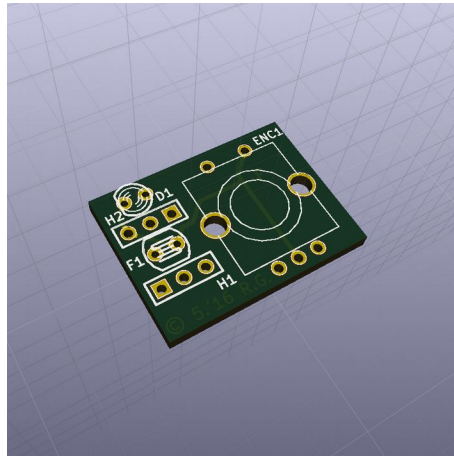
Octet-7 Console: Schaltplan



Octet 7 (Console)	
File: 07Console.sch	
© Reimar Grasbon	
Size: A4	Date: 2016-05-01
KiCad E.D.A.	eeschema 4.0.7
	Rev: A
	Id: 1/1

Octet-7 Console: Leiterplatte (200%) Bestückung

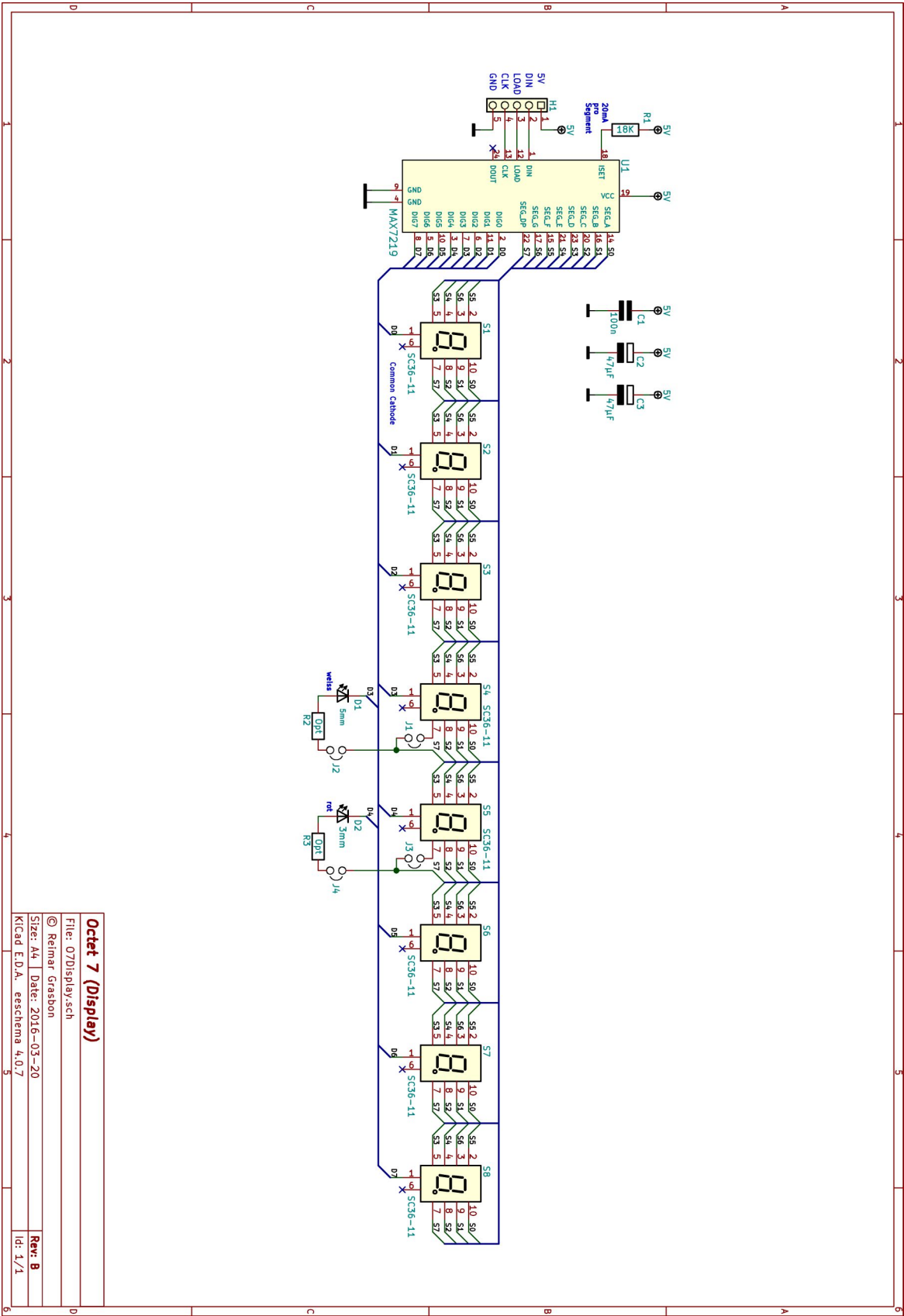




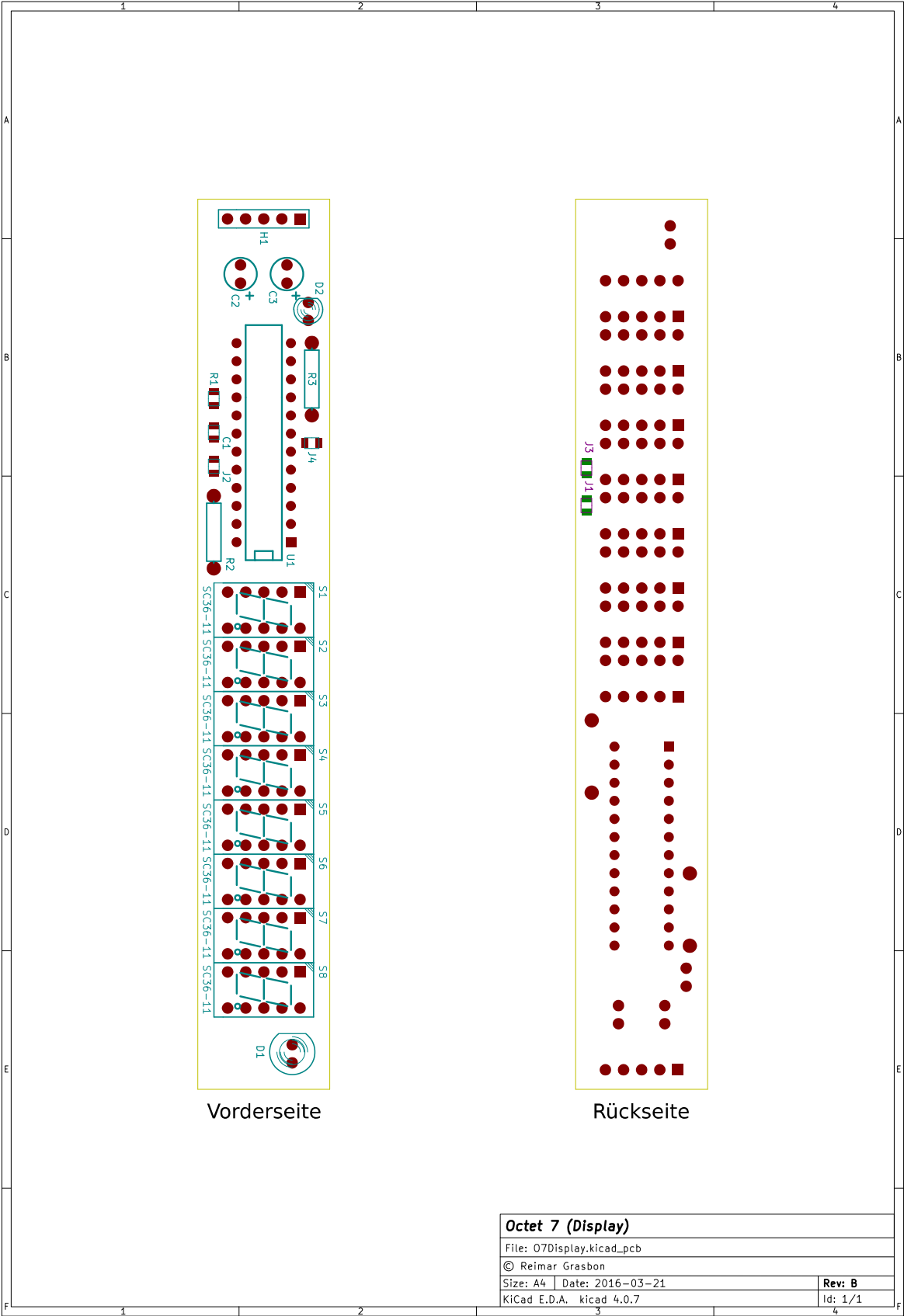
Octet-7 Console: Stückliste

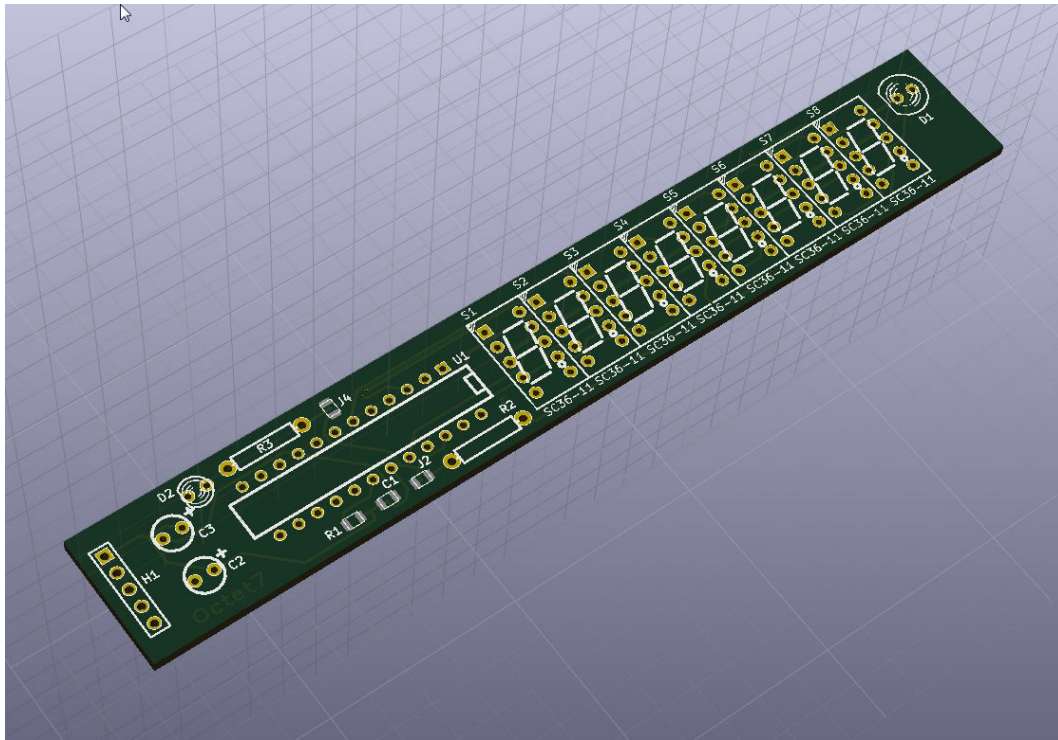
Ref	Wert	Bauform
D1	LED	THT LED 3mm
ENC1	Drehinkrementalgeber	THT Drehinkrgeber stehend
F1	LDR	THT LDR
H1	Pin_03	THT Pin-03x1
H2	Pin_03	THT Pin-03x1
R1	180	SMD 0805

Octet-7 Display Schaltplan



Octet-7 Display Leiterplatte (150%) Bestückung

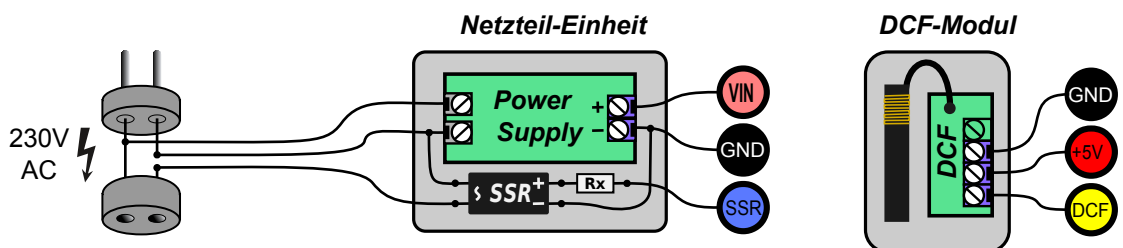
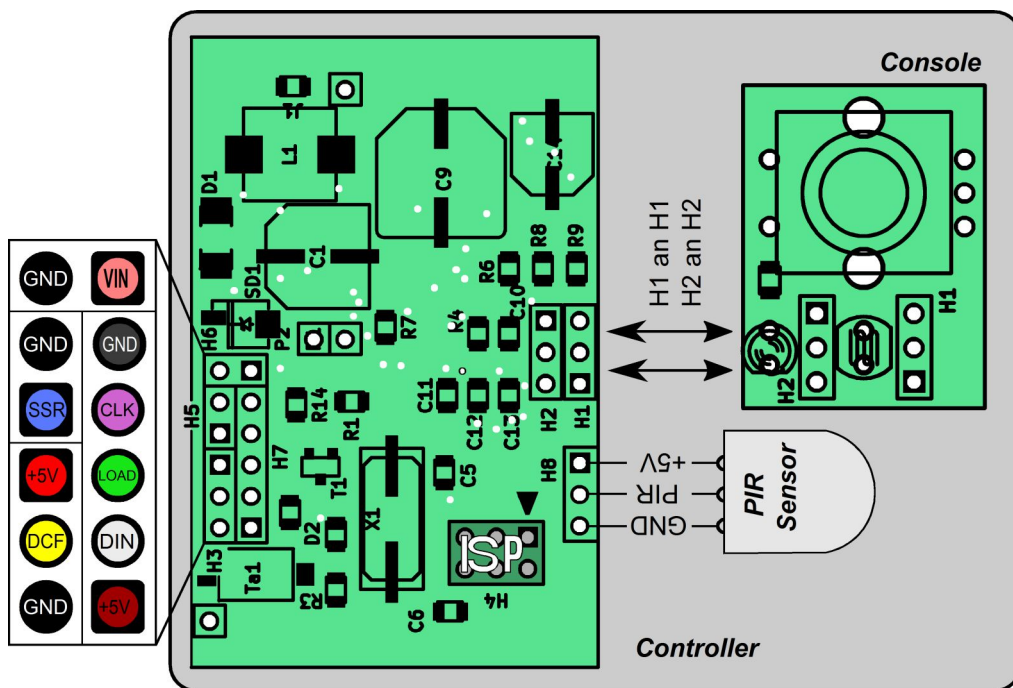
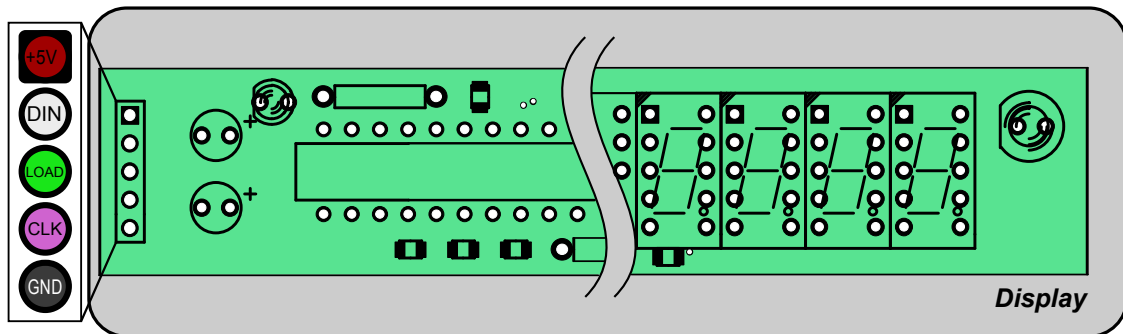




Octet-7 Display Stückliste

Ref	Wert	Bauform
C1	100n	SMD 0805
C2	47µF	THT Elko-S-RM-1-5mm
C3	47µF	THT Elko-S-RM-1-5mm
D1	5mm	THT LED-5mm
D2	3mm	THT LED-3mm
H1	Pin_05	THT Pin-05x1
J1	Jumper	SMD 0805
J2	Jumper	SMD 0805
J3	Jumper	SMD 0805
J4	Jumper	SMD 0805
R1	18K	THT Wider-RM-4
R2	Opt	THT Wider-RM-4
R3	Opt	THT Wider-RM-4
S1	SC36-11	THT 7SEGM_9mm
S2	SC36-11	THT 7SEGM_9mm
S3	SC36-11	THT 7SEGM_9mm
S4	SC36-11	THT 7SEGM_9mm
S5	SC36-11	THT 7SEGM_9mm
S6	SC36-11	THT 7SEGM_9mm
S7	SC36-11	THT 7SEGM_9mm
S8	SC36-11	THT 7SEGM_9mm
U1	MAX7219	THT DIP-24

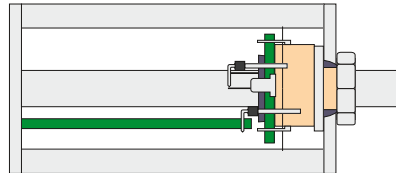
Octet-7 Anschlussbelegung



Octet-7 Bauraumkonzept

Gehäuse Typ AKG 55 24 50

Seite



Vorn ohne Frontblende

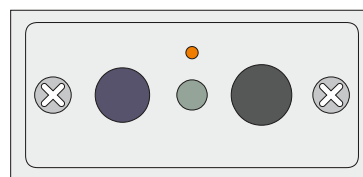
LED

PIR

- Drehinkrementgeber

LDR

Vorn mit Frontblende



Bemaßungen der Frontblende in mm

