

Company: <a href="mailto:mc_sho@gmx.de">mc_sho@gmx.de</a>		©2008 by Steffen Hofmann	
Title: Stromversorgung und Levelshifter		File: ADP-OLED-CMEL-V2	
Size: A4	Projekt: OLED-Adapter CMEL	Painter: S.Hofmann	Rev: 0.3
Date: 20.04.09 17:36	Sheet: 1 / 3	Scale: 107,49%	

Sheet 3

$I_{max} = 3,06A$  bei 2A Ausgangsstrom

VCC-IN  
+3.3 V

T1a  
IRF 7555PbF

T1b  
IRF 7555PbF

T3  
SI11012R-T1

IC6  
LTC1871

SAT(min.) 3,68A

+4,6V / 2A

POWER-ON/OFF  
Drahtbrücke!  
zu einem freien PIN verbinden.

C30 47p NPO  
C31 6n8 NPO  
R9 22k  
R10 33k2  
R11 12k1  
R12 47k  
500KHz

C25 22µF X7R/X5R  
C26 22µF X7R/X5R

L1 2, 2µH  
D2 DFLS240L-7  
Vf max. 0.45V

T2 SI4888DY  
RDS(on) max. 0.026Ohm  
TMCR-E-1C-107-MTRF  
NTC-L107K16TRDF  
C28 100µF  
C29 10µF X7R/X5R

IC7  
LTC3704

SAT(min.) 2,34A

-4,4V / 1,2A

R15 14k7  
C37 4n7 NPO  
R16 31k  
R17 12k1  
R18 24k9  
650KHz

C33 22µF X7R/X5R  
C34 22µF X7R/X5R

L2 4, 7µH  
D3 DFLS240L-7  
Vf max. 0.45V

T4 SI4888DY  
RDS(on) max. 0.037Ohm  
TMCR-E-1C-107-MTRF  
NTC-L107K16TRDF  
C36 100µF

IC8  
TPS76428DBV

+2,8V

C39 1µF/16V X7R/X5R  
C40 1nF NPO  
C41 4, 7µF/6, 3V X7R/X5R

Company:  
mc\_sho@gmx.de

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Titel:  
Stromversorgung

File:  
ADP-OLED-CMEL-V2

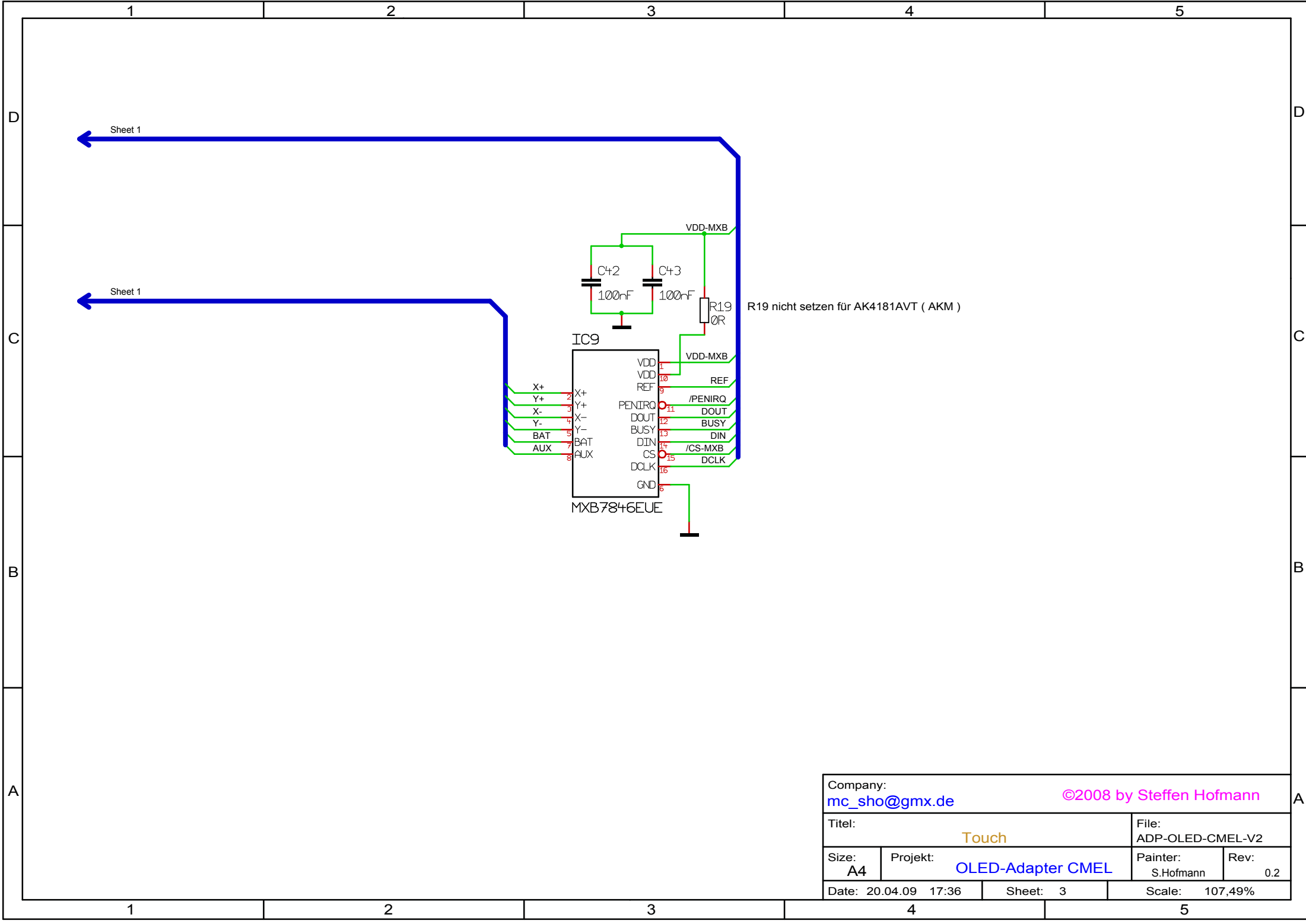
Size: A4  
Projekt: OLED-Adapter CMEL

Painter: S.Hofmann  
Rev: 0.4

Date: 20.04.09 17:36

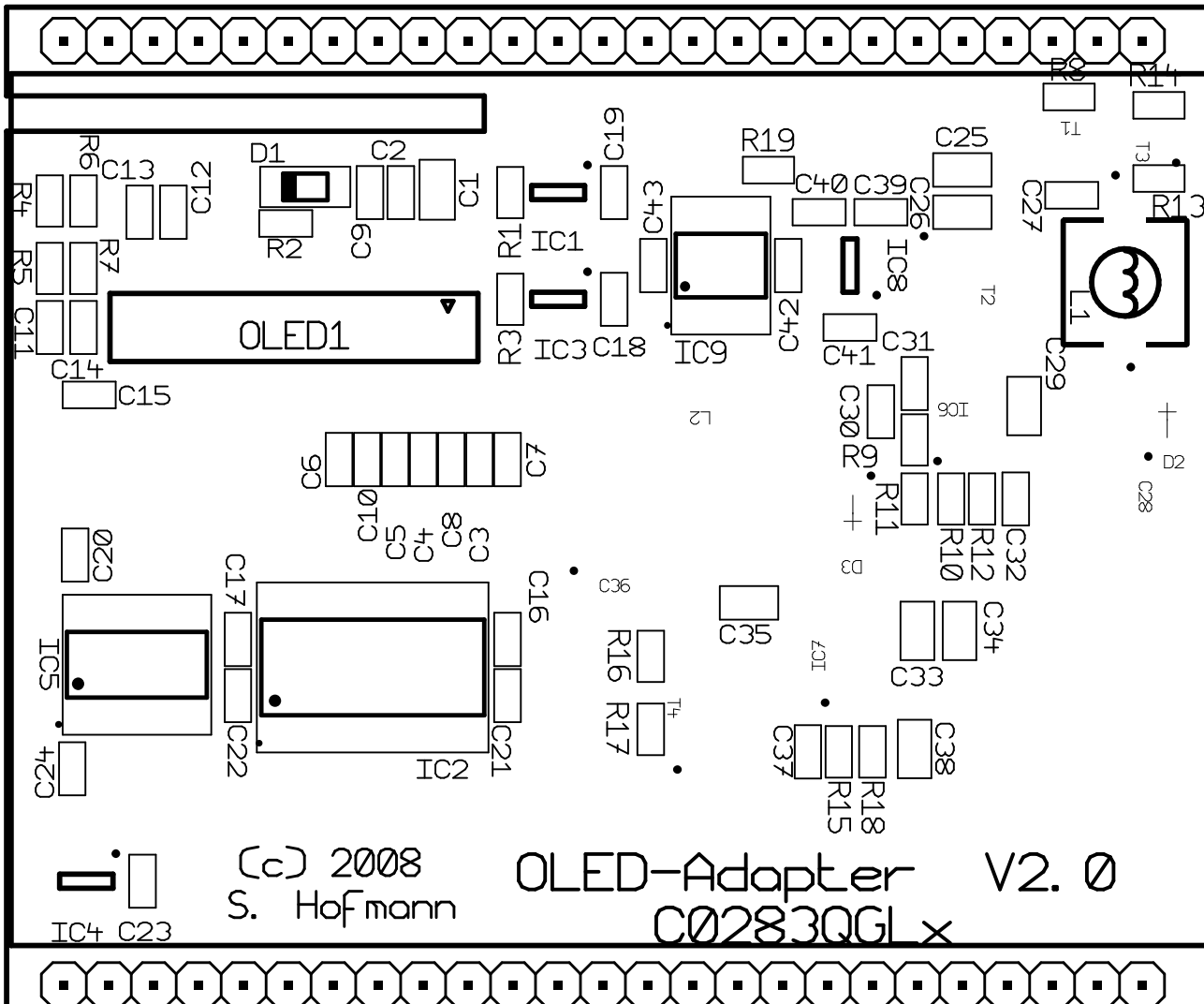
Sheet: 2

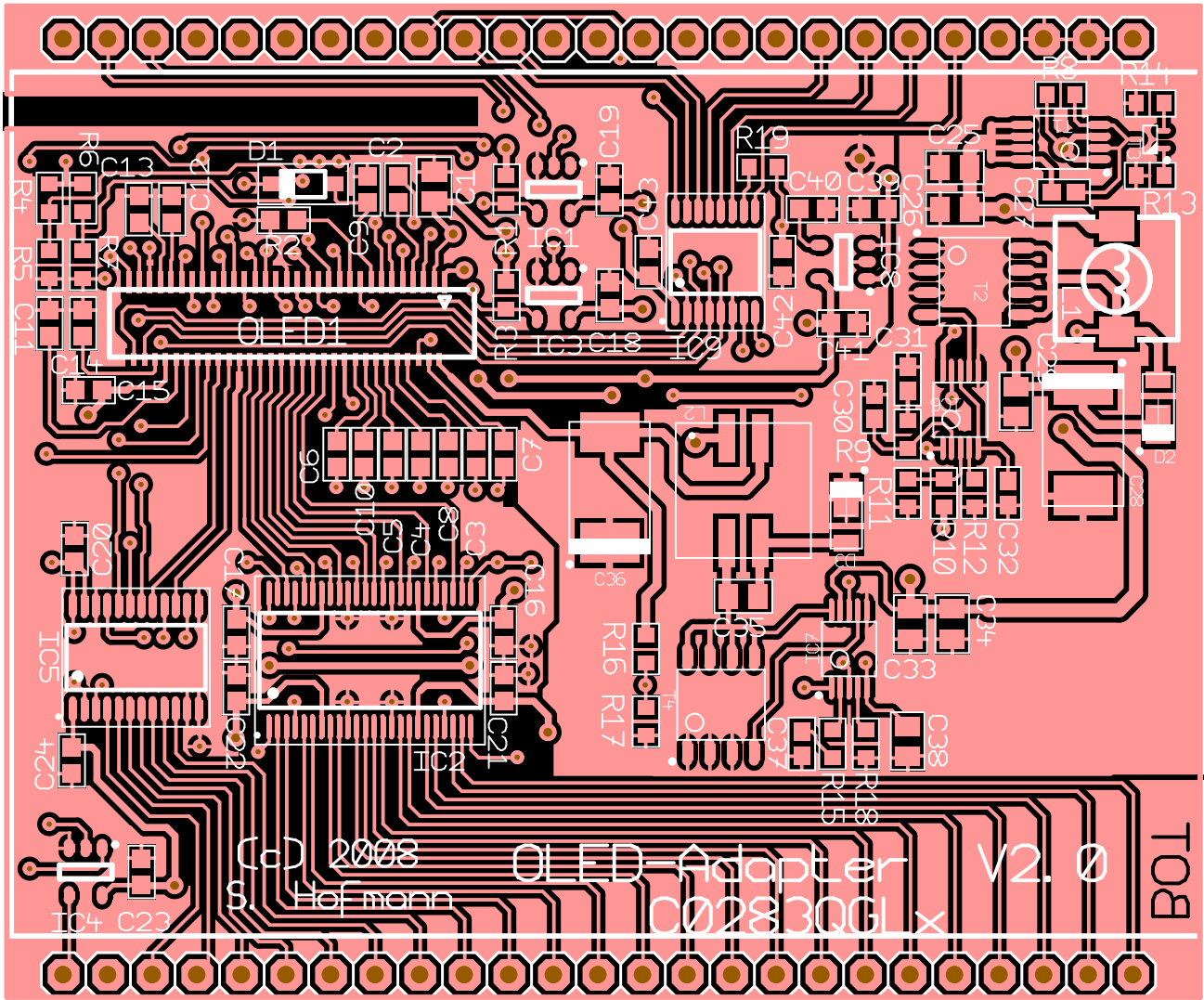
Scale: 107,49%



R19 nicht setzen für AK4181AVT (AKM)

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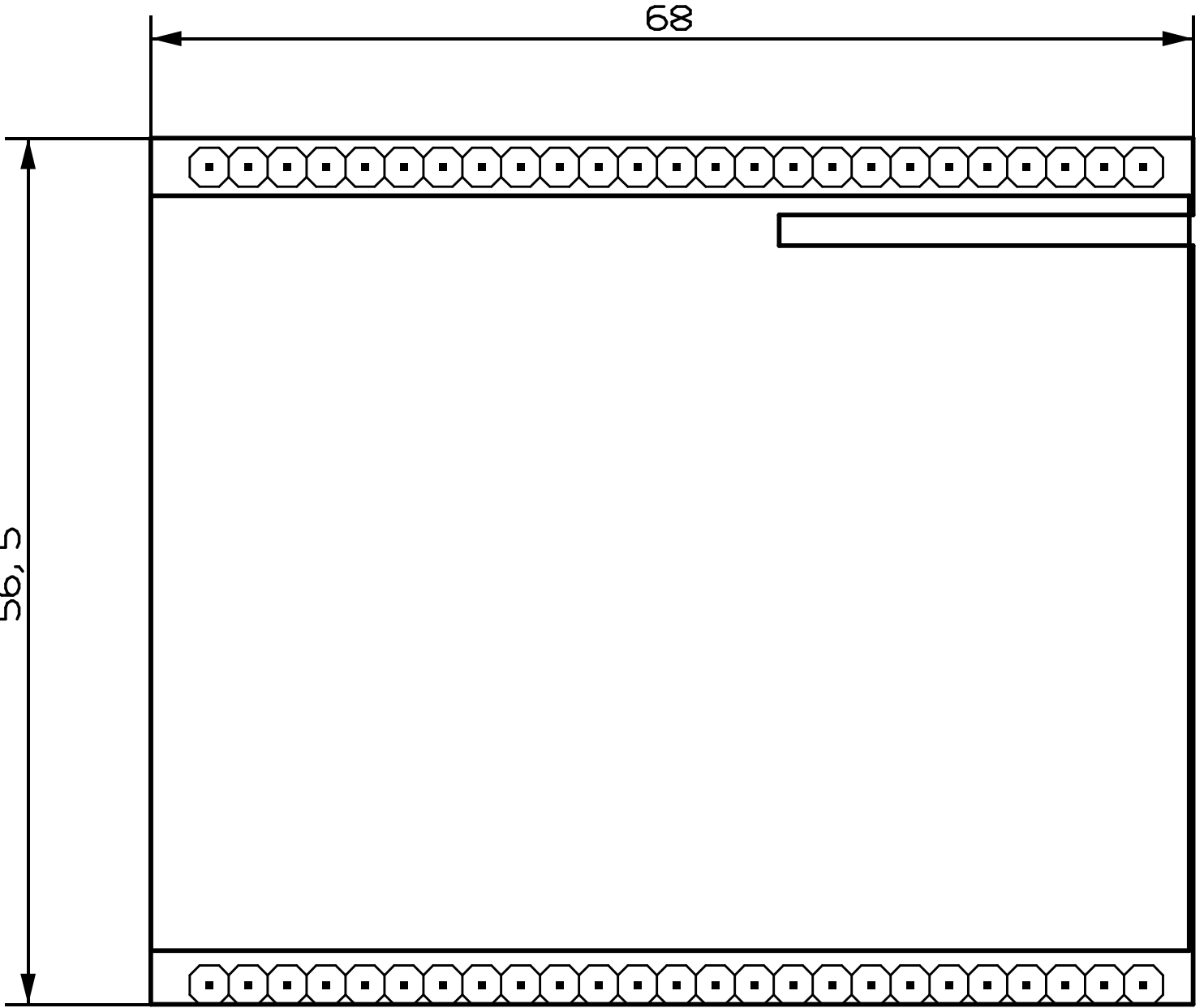




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S. Hofmann

OLED Adapter V2.0  
C02830G1 x

B01



MXB7846EUE

MXB7846EUE

VCC-IN

GND

GND

+2, 8V

REF

PENIRQ

DOUT

BUSY

AUX

BAT

Y-

X-

Y+

X+

DIN

/CS-MXB

DCLK

VDD-MXB

/CS

DIR

/OE

RESET



# OLED



D15

D14

D13

D12

D11

D10

D9

D8

D7

D6

D5

D4

D3

D2

D1

D0

VSYNC

HSYNC

DOTCLK

ENABLE

/RD

RS

/WR-SCL

MOSI

MISO

SPI-Mode:

D0 ... D15 = GND

VSYNC,HSYNC,DOTCLK, ENABLE = GND

WR-SCL = SCK

MISO = MISO

MOSI = MOSI

/CS = /CS-AMOLED