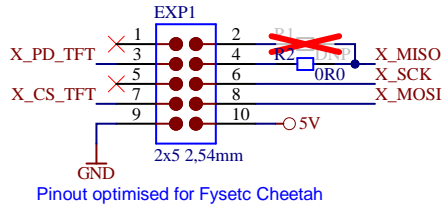


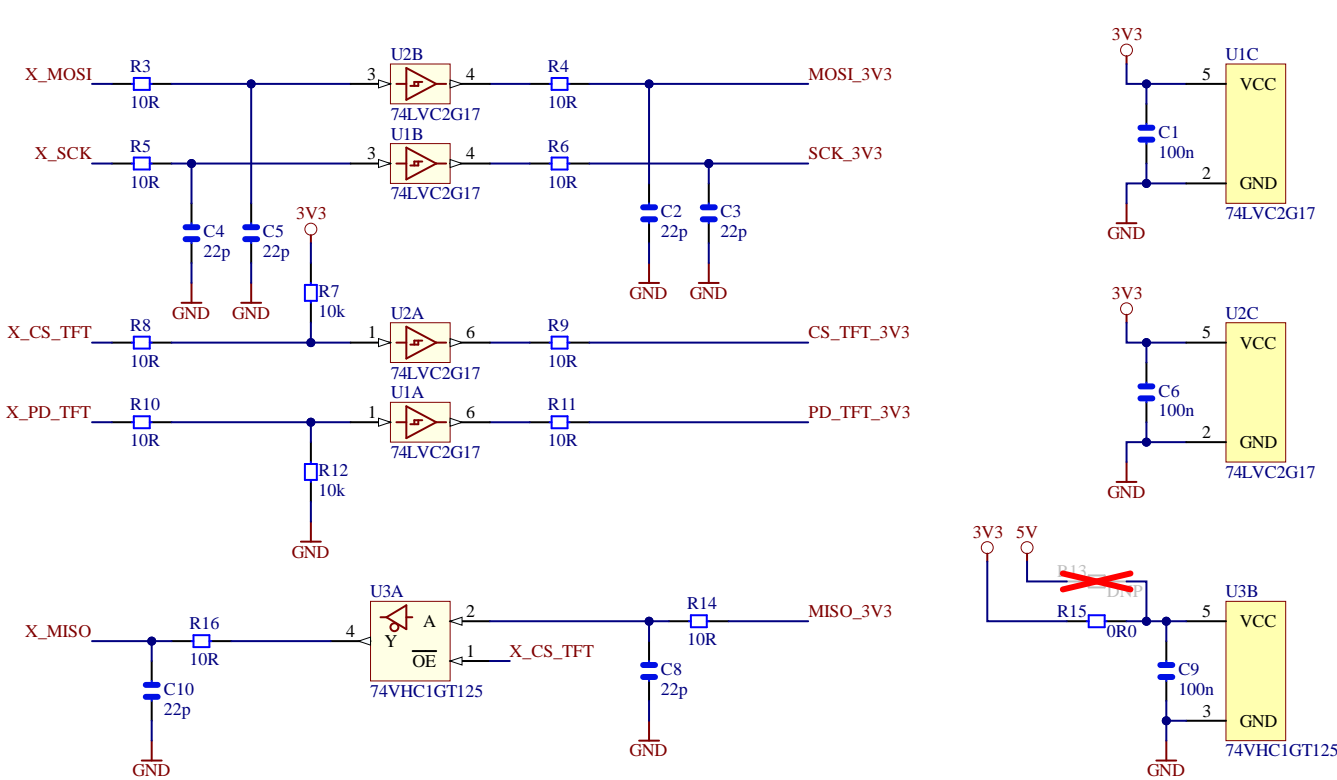
Connector to Printer



For the stock CR-10/Ender-3 board, remove R2 and populate R1

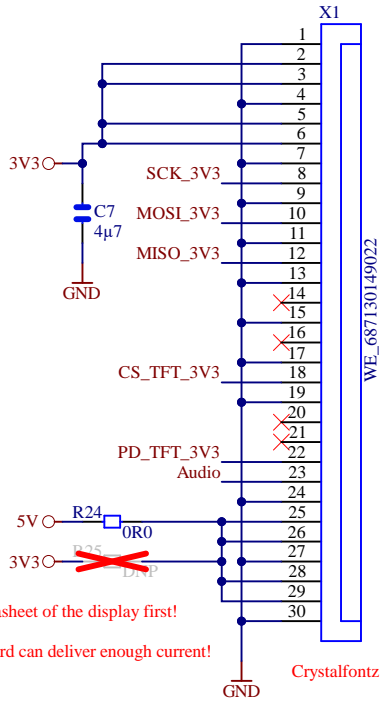
Note: many boards have the pins in the wrong order with a false numeration. For example the CR-10/Ender-3/SKR mini E3 boards show VCC on pin 1 and GND on pin 2 while the connector is populated rotated by 180° and therefore actually having VCC on pin 10 and GND on pin 9. Others like the Fysetc Cheetah use the correct numeration and while on a quick glance it appears that they use a different pinout for the EXP1 header than the stock Ender-3 board it really is the same. And others like the MKS Robin E3 have the connector rotated while keeping the correct numeration.

Level-Shifter 5V or 3,3V I/O from printer-controller to 3,3V I/O for the display



Display-Connector

not mirrored  
-> for use with FCC cable with connections on opposite sides



Check the datasheet of the display first!

Make sure the Printer-Controller-Board can deliver enough current!

Crystallfontz

Rumab32	ARMED	Fysetc Cheetah	Reprap GLCD	EXP1	Reprap GLCD	Fysetc Cheetah	ARMED	Rumab32
PE8	PC9	PC9	Beeper	1 2	BTN_ENC	PC12	PC3	PE7
PE9	PE8	PC11	LCDE	3 4	LCD_RS	PB14 (SPI2_MISO)	PE9	PE10
PE12 (SPI4_SCK)	PB12 (SPI2_SS)	PC10	LCD4	5 6	LCD5	PB13 (SPI2_SCK)	PB13 (SPI2_SCK)	PE13 (SPI4_MISO)
PE14 (SPI4_MOSI)	PB14 (SPI2_MISO)	PB12 (SPI2_SS)	LCD6	7 8	LCD7	PB15 (SPI2_MOSI)	PB15 (SPI2_MOSI)	PE15
GND	GND	GND	GND	9 10	5V	5V	5V	5V

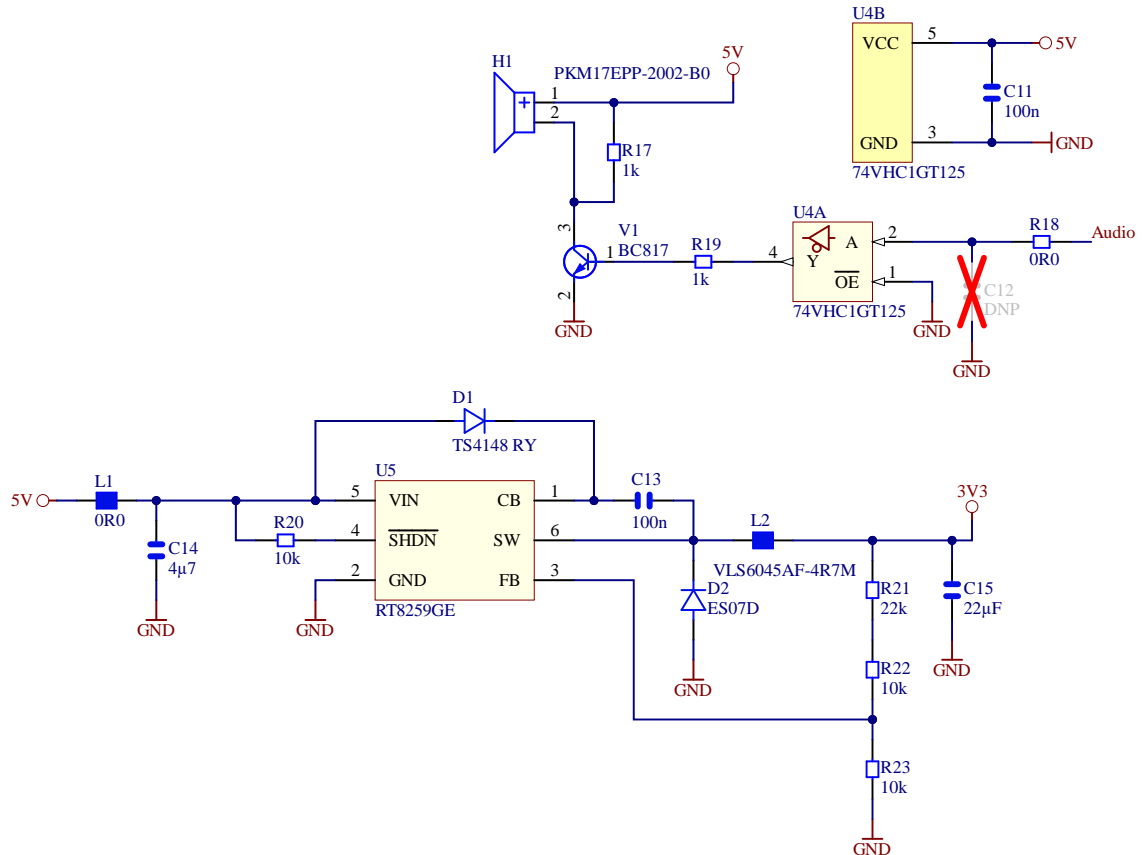
REMRAM	Bigtreetech SKR V1.3 V1.4	Bigtreetech SKR E3 DIP	Bigtreetech SKR mini E3	Crealty CR-10/Ender-3	Reprap GLCD	EXP1	Reprap GLCD	Crealty CR-10/Ender-3	Bigtreetech SKR mini E3 SKR E3 DIP	Bigtreetech SKR V1.3 V1.4	REMRAM
PC6	P1.30	PA15	PB5 (SPI3.MOSI)	PA4	Beeper	1 2	BTN_ENC	PC0	P0.28	PC7	PC7
PD14	P1.18	TX1	PA9	PD3 (USART1_MOSI)	LCDE	3 4	LCD_RS	RESET	P1.19	PD15	PD15
PD13	P1.20 (SCK0)	PA9	PA10	PD2 (USART1_MISO)	LCD4	5 6	LCD5	RESET	P1.21 (SSEL0)	PD12	PD12
PD11	P1.22	PB8	PB8	PA3	LCD6	7 8	LCD7	RESET	P1.23 (MISO0)	PD10	PD10
GND	GND	GND	GND	GND	GND	9 10	5V	5V	5V	5V	5V

MKS Robin E3 Robin Lite3	Ultimachine Archim2.2b	Fysetc S6	EXP1	Fysetc S6	Ultimachine Archim2.2b	MKS Robin E3 Robin Lite3
PC1	PA14	PC9	10 9	PA8	PA13 (USART1_MOSI)	PC3
PA4 (SPI1_SS)	PA15	PC11 (SPI3.MISO)	8 7	PD2	PA12 (USART1_MISO)	PA5 (SPI1_SCK)
PA6 (SPI1_MISO)	PA0	PC10 (SPI3_SCK)	6 5	PC12 (SPI3_MOSI)	PA16 (USART1_SCK)	PA7 (SPI1_MOSI)
PC4	PA1	PD0	4 3	PD1	PC2	PC5
GND	GND	GND	2 1	5V	5V	5V

MKS SBASE V1.3	Bigtreetech SKR PRO	Einsy Rambo	EXP1	Fysetc F6	Einsy Rambo	Bigtreetech SKR PRO	MKS SBASE V1.3
P1.31 (SCK)	PG4	PH2 (UART2_SCK)	10 9	PC2	PH6 (UART1_SCK)	PA8	P1.30
P0.18 (MOSI)	PD11	PF7	8 7	PH1 (UART2_MOSI)	PD5 (UART1_SCK)	PD10	P0.16 (SSEL)
P0.15 (SCK)	PG2	PF5	6 5	PA3	PG4	PG3	NC
NC	PG6	PH7	4 3	PA7	PG3	PG7	NC
GND	GND	GND	2 1	5V	5V	5V	5V



Project: EVE Display-Adapter  
Version, Revision: Crystallfontz , 02  
Date: 2020-05  
Copyright: Rudolph Riedel  
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05019-05-02

MTG1

X1

MTG2

EXP1

L2

H1

L1

C14

R20

C13

U5

D1

R23

R21

R22

C15

R17

C11

R19

U4

U1

R18

C12

R1

R2

C4

R5

R12

R10

C10

R16

R3

C5

R8

R7

R13

C9

U1

C1

U3

U2

C6

R25

R24

R15

R6

C3

R4

C2

R14

C8

R9

R11

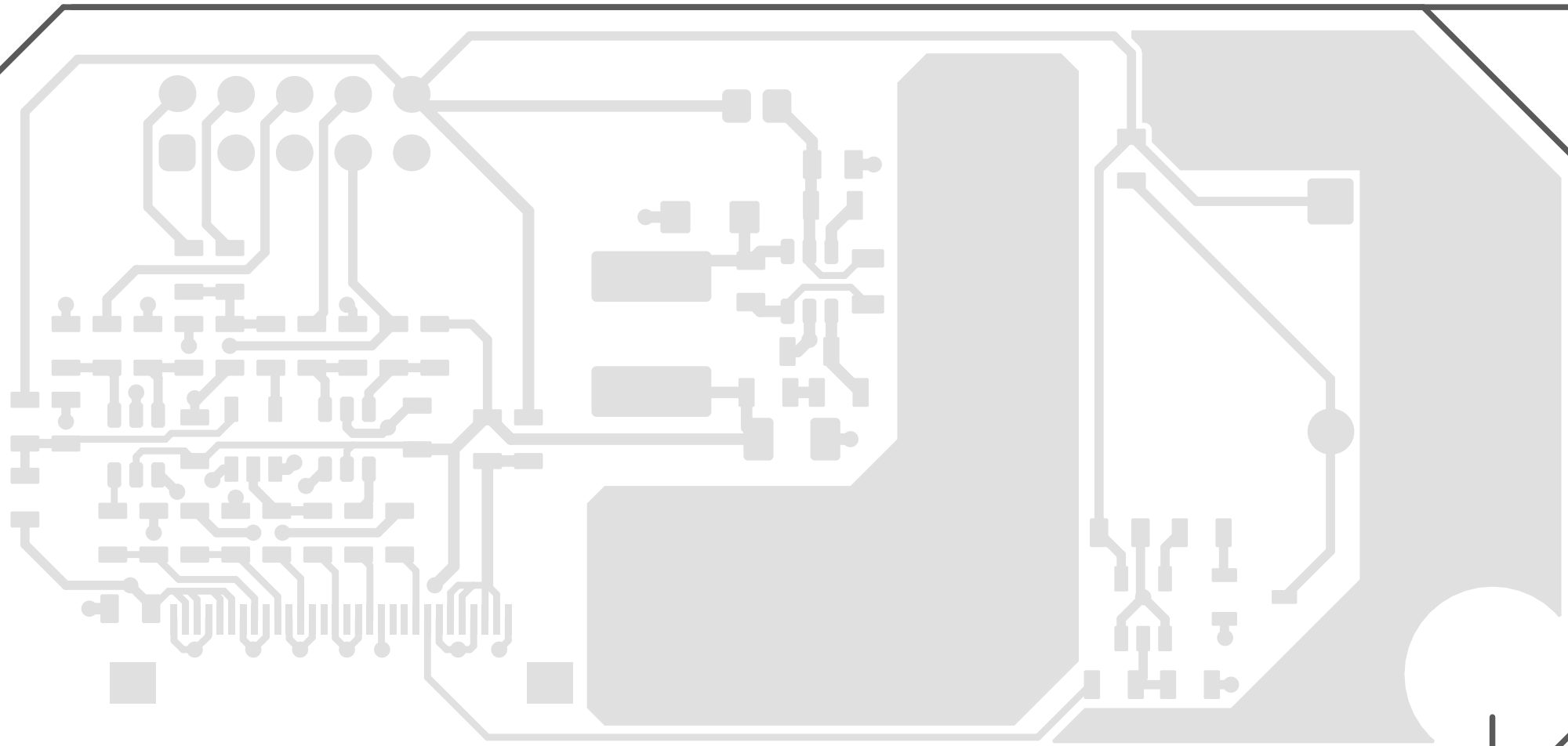
C7

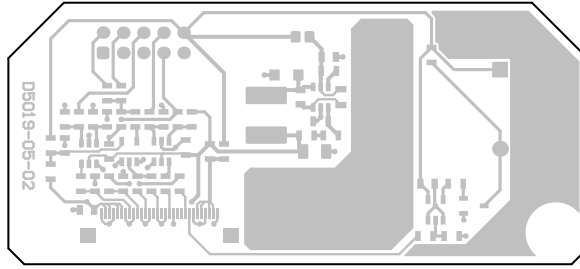
D5019-05-02

73.00

65.00

33.00





D5019-05-02

MTG1

MTG2

