

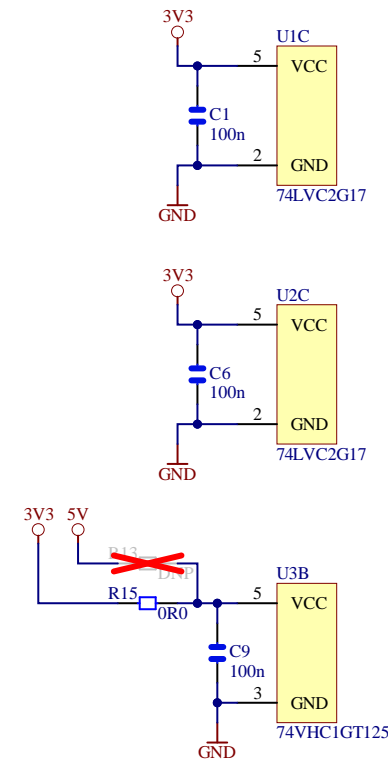
[illegible]

Note: many boards have the pins in the wrong order with a false numeration.

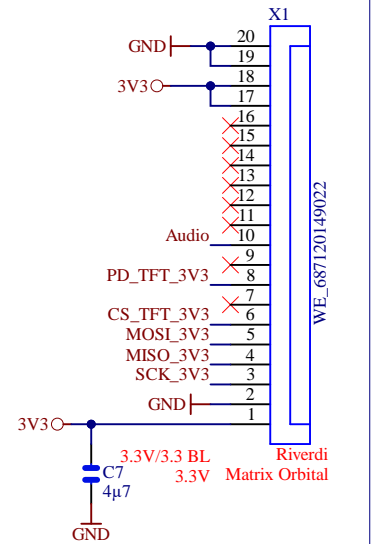
For example the CR-10/Ende3r-3/SKR mini E3 boards show VCC on pin 1 and GND on pin 2 while the connector is populated rotated by 180° and therefore actually having VCC on pin 10 and GND on pin 9.

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 Ende3r-3 board it really is the same.

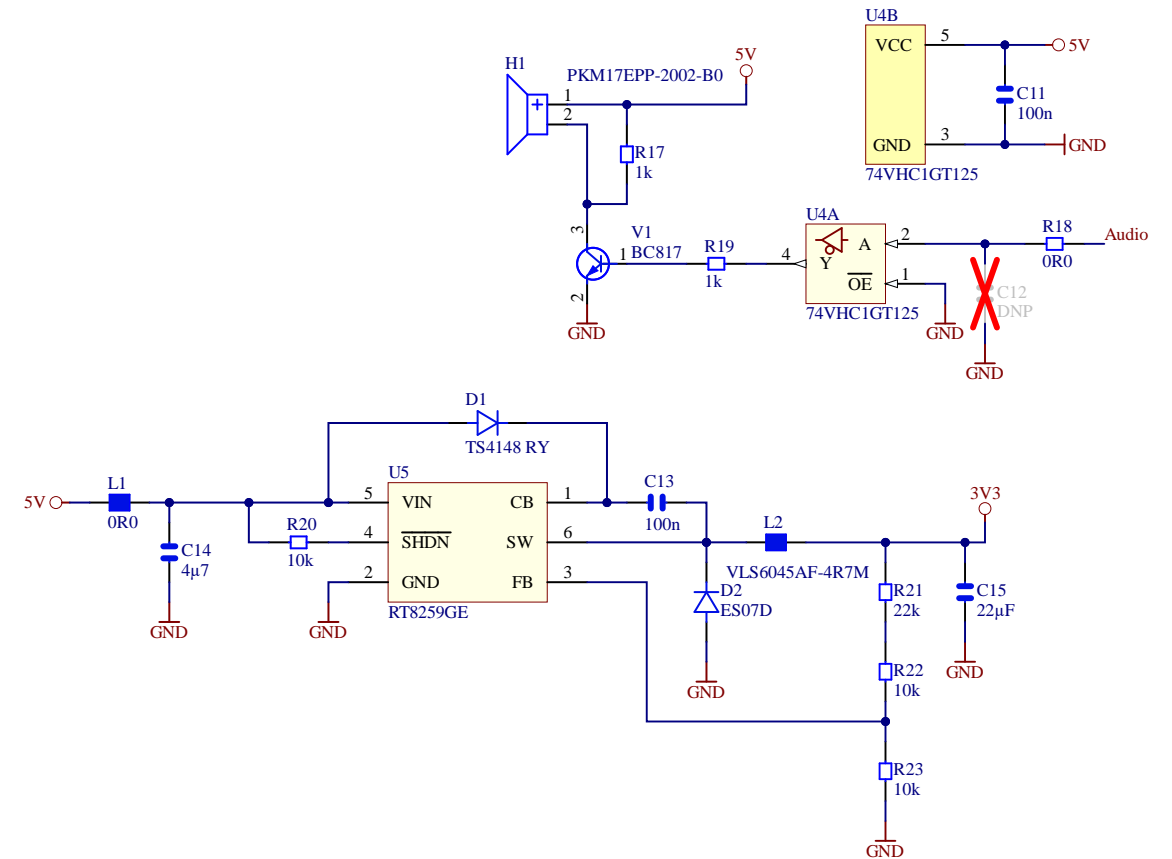
And others like the MKS Robin E3 have the connector rotated while keeping the correct numeration.



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



	Rumba32		ARMED		Fysetc Cheetah		Reprap GLCD		EXP1		Fysetc Cheetah		ARMED		Rumba32			
	PE8		PC9		PC9		Beeper		<div><div>12</div><div>34</div><div>56</div><div>78</div><div>910</div></div>		BTN_ENC	PC12		PC3		PE7		
	PE9		PE8		PC11		LCDE				LCD_RS	PB14 (SPI2_MISO)		PE9		PE10		
	PE12 (SPI4_SCK)		PB12 (SPI2_SS)		PC10		LCD4				LCD5	PB13 (SPI2_SCK)		PB13 (SPI2_SCK)		PE13 (SPI4_MISO)		
	PE14 (SPI4_MOSI)		PB14 (SPI2_MISO)		PB12 (SPI2_SS)		LCD6				LCD7	PB15 (SPI2_MOSI)		PB15 (SPI2_MOSI)		PE15		
	GND		GND		GND		GND				5V	5V		5V		5V		
REMRAM	Bigtreetech SKR V1.3 V1.4	Bigtreetech SKR E3 DIP	Bigtreetech SKR mini E3		Creatlity CR-10/Ender-3		Reprap GLCD		EXP1		Reprap GLCD		Creatlity 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		<div><div>12</div><div>34</div><div>56</div><div>78</div><div>910</div></div>		BTN_ENC	PC0		P0.28		PC7		
PD14	P1.18	TX1	PA9		PD3 (USART1_MOSI)		LCDE				LCD_RS	RESET		RESET		PD15		
PD13	P1.20 (SCK0)	PA9	PA10		PD2 (USART1_MISO)		LCD4				LCD5	PA1		P1.21 (SSEL0)		PD12		
PD11	P1.22	PB8	PB8		PA3		LCD6				LCD7	PC1		P1.23 (MISO0)		PD10		
GND	GND	GND	GND		GND		GND				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		<div><div>109</div><div>87</div><div>65</div><div>43</div><div>21</div></div>		PA8		PA13 (USART1_MOSI)		PC3			
			PA4 (SPI1_SS)		PA15		PC11 (SPI3.MISO)				PD2		PA12 (USART1_MISO)		PA5 (SPI1_SCK)			
			PA6 (SPI1_MISO)		PA0		PC10 (SPI3_SCK)				PC12 (SPI3_MOSI)		PA16 (USART1_SCK)		PA7 (SPI1_MOSI)			
			PC4		PA1		PD0				PD1		PC2		PC5			
			GND		GND		GND				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)		PC0		PH0 (UART2_MISO)		<div><div>109</div><div>87</div><div>65</div><div>43</div><div>21</div></div>		PC2		PH6		PA8		P1.30	
	P0.18 (MOSI)	PD11	PF7		PH0 (UART2_MISO)						PD5 (UART2_MOSI)		PD5 (UART1_SCK)		PD10		P0.16 (SSEL)	
	P0.15 (SCK)	PG2	PF5		PA1						PA3		PG4		PG3		NC	
	NC	PG6	PH7		PA5						PA7		PG3		PG7		NC	
	GND	GND	GND		GND						5V		5V		5V		5V	



Project: EVE Display-Adapter
Version, Revision: Matrix Orbital / Riverdi , 04
Date: 2020-05
Copyright: Rudolph Riedel
Licence: MIT

05019-01-04

EXP1

L1

C14

R20

C13

U5

D1

L2

R23

R21

R22

C15

R17

H1

C11

R19

U4

U1

R18

C12

MTG2

MTG1

X1

R1

R2

C4

R5

R12

R10

C10

R16

R3

C5

R8

R7

R13

C9

U1

C1

U3

U2

C6

R15

R6

C3

R14

C8

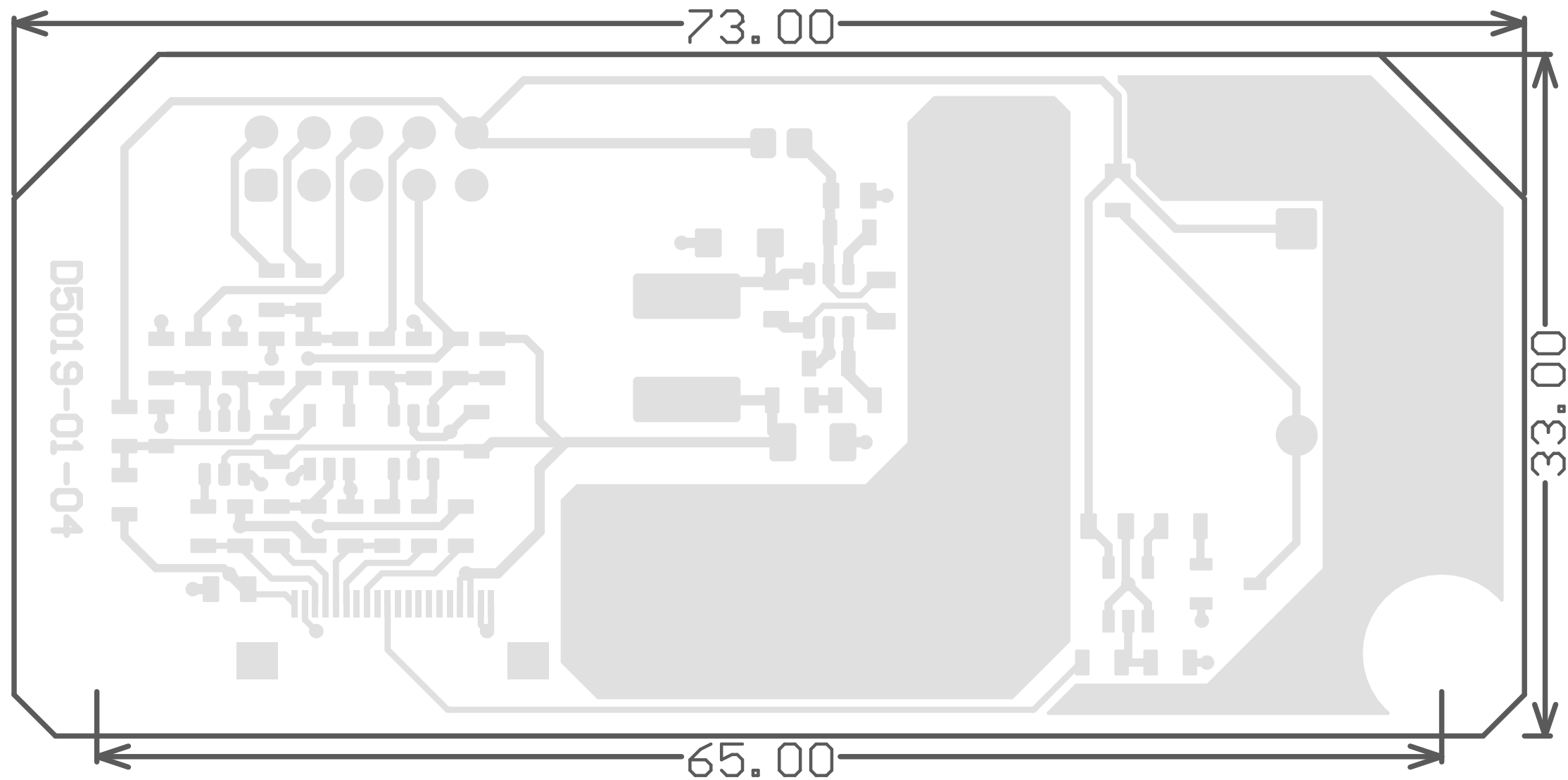
C2

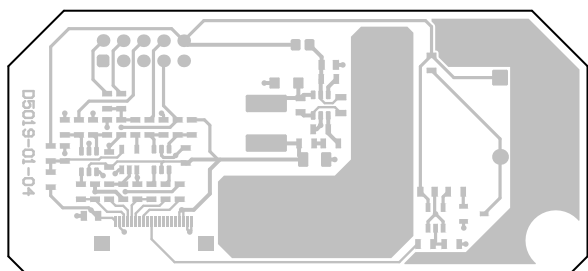
R4

R9

R11

C7





D5019-01-04

MTG1

MTG2

