IC1

3.3V   5V
    1 VCCA   VCCB 6
DATA 3 A   B 4 DI_FIRST
3.3V 5 OE   GND 2
R1
10K
TXB0101DCKR   GND

DI_FIRST DI

LED1   5V   LED2   5V   LED3   5V   LED4   5V   LED5   5V   LED6   5V   LED7   5V   LED8   5V   LED9   5V   LED10   5V
VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD   VDD
DIDO   DO DI   DIDO   DO DI   DIDO   DO DI   DIDO   DO DI   DIDO   DO DI   DIDO   DO DI   DIDO   DO DI   DIDO   DO DI   DIDO   DO DI   DIDO   DO
GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND   GND
GND WS2812B-MINI WS2812B-MINI WS2812B-MINI WS2812B-MINI WS2812B-MINI WS2812B-MINI WS2812B-MINI WS2812B-MINI WS2812B-MINI WS2812B-MINI
     GND   GND   GND   GND   GND   GND   GND   GND   GND

LED11   5V   LED12   5V
DI   VDD VDD   VDD VDD
     DIDO DO DI   DIDO DO DO_LAST
GND GND GND   GND GND
GND WS2812B-MINI WS2812B-MINI
     GND   GND

5V   5V
C1   C2
10uF   10uF
GND   GND

GPIO21

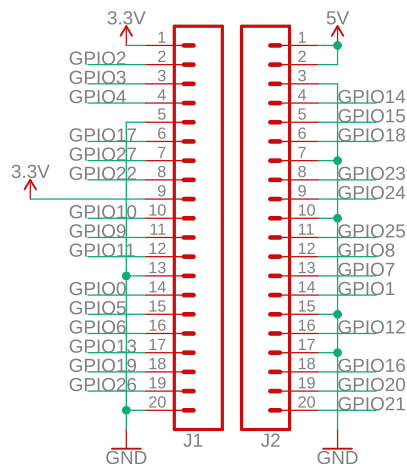DATA 2 SJ1 4 GPIO10
         1

GPIO18

Following configurations are supported:
- GPIO18 for PWM mode (connected by default)
- GPIO21 for PCM mode
- GPIO10 for SPI mode

Left connector
(outside mount)

3.3V   5V
       1   1
GPIO2 2   2
GPIO3 3   3
GPIO4 4   4 GPIO14
       5   5 GPIO15
GPIO17 6   6 GPIO18
GPIO27 7   7
GPIO22 8   8 GPIO23
3.3V   9   9 GPIO24
GPIO10 10   10
GPIO9 11   11 GPIO25
GPIO11 12   12 GPIO8
       13   13 GPIO7
GPIO0 14   14 GPIO1
GPIO5 15   15
GPIO6 16   16 GPIO12
GPIO13 17   17
GPIO19 18   18 GPIO16
GPIO26 19   19 GPIO20
       20   20 GPIO21
      J1   J2
GND   GND

MFDEC Logo

Mini LED-SHIM for Pi's 40-pin extension slot
(c) Andriy Golovnya

TITLE: LED-mini35-SHIM

Document Number:
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REV:
1.0

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