LEDs

IC5
IC6
IC7
IC8

74HC595N

GND
+5V
+12V

function select

bank select

ROTABVC

GND

RESET

XTAL2

XTAL1

VCC

GND

IC3

(AD7)PA7
(AD6)PA6
(AD5)PA5
(AD4)PA4
(AD3)PA3
(AD2)PA2
(AD1)PA1
(AD0)PA0

(SCK)PB7
(MISO)PB6
(MOSI)PB5
(SS)PB4
(TXD1)PB3
(RXD1)PB2
(T1)PB1
(T0)PB0

(A15)PC7
(A14)PC6
(A13)PC5
(A12)PC4
(A11)PC3
(A10)PC2
(A9)PC1
(A8)PC0

(RD)PD7
(WR)PD6
(TOSC2)PD5
(TOSC1)PD4
(INT1)PD3
(INT0)PD2

LED_LATCH
ROTARYCOM3
ROTARY1
ROTARY2
ROTARY4
ROTARY3
TEMPO_SW_A
TEMPO_SW_B

SPI_CLK
SPI_OUT
SPI_IN
USB_TX
USBRX
SWITCH_LATCH

SLIDE,ACCENT,NOTE[0..5]

DINSYNC1
DINSYNC3
DINSYNC5
DINSYNC6

MIDI_OUT

+5V

GND

IC1D
74126N

IC1B
74126N

IC1A
74126N

IC1C
74126N

IC18P

IC18

VCC
GND

IC2
AT25P
VCC   HOLD
CS1
SCK
WP1
GND   SO
SI

SWITCH_LATCH
SPI_CLK
SPI_OUT
SPI_IN

USBRX
USB_TX
MIDI_IN
MIDI_OUT
DINSYNC4

TEMPO_SW

SWITCH_LATCH

SPI_OUT
SPI_CLK
SWITCH_LATCH

GND

tempo

Rotary Encoders

SWITCH LATCH

SWITCH LATCH

IC17   74HC165N

IC16   74HC165N

Tact Switches