VBUS

R14 0

U1 TPS73601DBVR

FPC

ROW1	1	40	VCC5V
ROW2	2	39	MR
ROW3	3	38	OE
ROW4	4	37	RCK
ROW5	5	36	GND
COL1	6	35	SCLK
COL2	7	34	GND
COL3	8	33	MOSI
COL4	9	32	ROW6
COL5	10	31	VBUS
COL6	11	30	VBUS
COL7	12	29	VBUS
COL8	13	28	VBUS
COL9	14	27	BAT+
COL10	15	26	BAT+
COL11	16	25	BLE_SW_A
COL12	17	24	
COL13	18	23	GND
COL14	19	22	D-
GND	20	21	D+

FPC

R15 0 3V3

R11 10K
R12 10K
R13 10K

C4 102 C5 102 C6 102
GND

3V3
R8 10K
BOOT0
GND

VBUS
1 VIN   OUT 5   3V3
3 EN   FB 4
GND 2
C1 104
GND

R5 52.3k
C2 105 C7 104 C8 104 C9 104 C10 104
R4 30.1k

cstce8m
GND   Y

SWD
GND	1	RST
3V3	2	SWCLK
SDA	3	GND
SCL	4	SWDIO
SWD

U2
3V3	1	VBAT	VDD	64	3V3
	2	PC13/ANT1	VSS	63	GND
	3	PC14/OSC32	PB9/TIM4_CH4/SDIO_D5	62	COL9
	4	PC15/OSC32	PB8/TIM4_CH3/SDIO_D4	61	COL8
	5	PD0/OSCIN	BOOT0	60	BOOT0
	6	PD1/OSCOUT	PB7/I2C1_SDA/TIM4_CH2	59	COL7
RST	7	NRST	PB6/I2C1_SCL/TIM4_CH1	58	COL6
ROW1	8	PC0/ADC10	PB5/I2C1_SMBA/SPI3_MOSI/I2S3_SD	57	COL5
ROW2	9	PC1/ADC11	PB4/JNTRST/SPI3_MISO	56	COL4
ROW3	10	PC2/ADC12	PB3/JTDO/SPI3_SCK/I2S3_CK	55	COL3
ROW4	11	PC3/ADC13	PD2/TIM3_ETR/U5_RX/SDIO_CMD	54	
GND	12	VSSA	PC12/U5_TX/SDIO_CK	53	
3V3	13	VDDA	PC11/U4_RX/SDIO_D3	52	RX
	14	PA0/WKUP/ADC0/TIM2_CH1_ETR/TIM5_CH1/TIM8_ETR	PC10/U4_TX/SDIO_D2	51	TX
	15	PA1/ADC1/TIM2_CH2/TIM5_CH2	PA15/JTDI/SPI3_NSS/I2S3_WS	50	
F_CS	16	PA2/U2_TX/ADC2/TIM2_CH3/TIM5_CH3	PA14/JTCK/SWCLK	49	SWCLK
	17	PA3/U2_RX/ADC3/TIM2_CH4/TIM5_CH4	VDD	48	3V3
GND	18	VSS	VSS	47	GND
3V3	19	VDD	PA13/JTMS/SWDIO	46	SWDIO
	20		PA12/CAN_TX/USBDP/TIM1_ETR	45	
SPI1_SCK	21	PA4/SPI1_NSS/ADC4/DAC1	PA11/CAN_RX/USBDM/TIM1_CH4	44	
SPI1_MISO	22	PA5/SPI1_SCK/ADC5/DAC2	PA10/U1_RX/TIM1_CH3	43	GND
SPI1_MOSI	23	PA6/SPI1_MISO/ADC6/TIM3_CH1/TIM8_BKIN	PA9/U1_TX/TIM1_CH2	42	MR
ROW5	24	PA7/SPI1_MOSI/ADC7/TIM3_CH2/TIM8_CH1N	PA8/TIM1_CH1/MCO	41	OE
ROW6	25	PC4/ADC14	PC9/TIM8_CH4/SDIO_D1	40	
COL1	26	PC5/ADC15	PC8/TIM8_CH3/SDIO_D0	39	COL14
COL2	27	PB0/ADC8/TIM3_CH3/TIM8_CH2N	PC7/I2S3_MCK/TIM8_CH2/SDIO_D7	38	COL13
BOOT1	28	PB1/ADC9/TIM3_CH4/TIM8_CH3N	PC6/I2S2_MCK/TIM8_CH1/SDIO_D6	37	COL12
COL10	29	PB2/BOOT1	PB15/SPI2_MOSI/I2S2_SD/TIM1_CH3N	36	MOSI
COL11	30	PB10/I2C2_SCL/U3_TX	PB14/SPI2_MISO/TIM1_CH2N	35	
GND	31	PB11/I2C2_SDA/U3_RX	PB13/SPI2_SCK/I2S2_CK/TIM1_CH1N	34	SCLK
3V3	32	VSS	PB12/SPI2_NSS/I2S2_WS/I2C2_SMBAI/TIM1_BKIN	33	RCK

VDD
STM32F103RCT6
GND

3V3
R1 1.5K
R2 22R D+
R3 22R D-

UART
GND	1	
3V3	2	RX
SDA	3	GND
SCL	4	TX
UART

U3
F_CS	1	CS	VCC	8	3V3
SPI1_MISO	2	SO	HOLD	7	
3V3	3	WP#	CLK	6	SPI1_SCK
GND	4	GND	SI	5	SPI1_MOSI
W25Q64

Comment	Description	Designator	Footprint	LibRef	Quantity
104		C1, C7, C8, C9, C10	0603P	C	5
105		C2	0603P	C	1
102		C4, C5, C6	0603P	C	3
FPC		FPC	40pin_fpc	FPC	1
1.5K		R1	0603P	R	1
22R		R2, R3	0603P	R	2
30.1k		R4	0603P	R	1
52.3k		R5	0603P	R	1
10K		R8, R11, R12, R13	0603P	R	4
0		R14, R15	0603P	R	2
SWD		SWD	CONN4_/wTestPoint	Component_1_1	1
TPS73601DBVR		U1	SOT95P280X110-5N	TPS73601	1
STM32F103RCT6		U2	LQFP64	STM32F103RDT6	1
W25Q64	W25X16;SST25VF016;MX25L1605	U3	SOIC-8	W25X16	1
UART		UART	CONN4_/wTestPoint	Component_1_1	1
cstce8m		Y	cstce8m	cstce8m	1