+3.3V_TGT

+3.3V_TGT

Pin	Left		Right	Pin	
1	GND		GND	40	
2	3V3		TGT_CTS	39	
3	5V-USB		TGT_RTS	38	
4	SWDIO	TGT_SWDIO	GP8	37	
5	SWCLK	TGT_SWCLK	GP7/LCDCS	36	GPIOH
6	NRESET	TGT_NRESET	GP6/LCD-RESET	35	GPIOJ
7	TGT_TX	TGT_TX	GP5/LCD-A0	34	GPIOK
8	TGT_RX	TGT_RX	GP4	33	
9	TX1		TX2	32	GPIO3
10	RX1		RX2	31	GPIO4
11	SDA1	SDA	SDA2	30	
12	SCL1	SCL	SCL2	29	
13	MOSI1/LCD/SD	MOSI	MOSI2	28	PB15
14	MISO1/LCD/SD	MISO	MISO2	27	PB14
15	SCK1/LCD/SD	SCK	SCK2	26	PB13
16	GP0/BUTTON	GPIOG	GP3/GROVE	25	GPIO2
17	GP1	GPIOB	GP2/SDCARD-CS/GROVE	24	GPIOA
18	AIN0/POT	ADC0	PWM2/BLUE-LED	23	GPIOD
19	AIN1/GROVE	GPIO0	PWM1/GREEN-LED	22	GPIOE
20	AIN2/GROVE	GPIO1	PWM0/RED-LED	21	

+3.3V_TGT

TP1

LED1
RED

R8
1k

TP2

SWD-10

Pin			Pin	
1	VCC	SWDIO	2	TGT_SWDIO
3	GND	SWCLK	4	TGT_SWCLK
5	GND	SWO	6	TGT_SWO
7	TGT_TX	TGT_RX	8	TGT_RX
9	GND	NRESET	10	TGT_NRESET

TGT_TX

CON1

mbed-HDK

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ATECC608A

+3.3V_TGT

IC4
ATECC608A

1	NC1	VCC	8
2	NC2	NC7	7
3	NC3	SCL	6
4	GND	SDA	5

SCL
SDA

+3.3V_TGT

C8
100nF

+3.3V_TGT

3V BAT1

ISM43340-M4G-L44-XXX

2*2	VCC	GPIO0	23	GPIO0
15	VBAT	GPIO1	24	GPIO1
1*14	GND	GPIO2	25	GPIO2
		GPIO3	26	GPIO3
34	TGT_NRESET	GPIO4	27	GPIO4
4	SWDIO/TMS			
5	SWCLK/TCK	RES/PB13	32	PB13
7	SWO/TDO	RES/PB14	31	PB14
8	TDRSTN	RES/PB15	30	PB15
6	TDI			
21	TGT_RX	GPIOA/PA2	45	GPIOA
22	TGT_TX	GPIOB/PA1	46	GPIOB
		GPIOC/PB10	47	SCL
		GPIOD/PC3	48	GPIOD
19	USB-DM	GPIOE/PB11	49	GPIOE
18	USB-DP	GPIOF/PB12	50	SDA
		GPIOG/PE11	51	GPIOG
		GPIOH/PE12	52	GPIOH
		GPIOJ/PE13	53	GPIOJ
		GPIOK/PE14	54	GPIOK
33	BOOT0	ADC4/SPI_MOSI	9	MOSI
16	WAKEUP	ADC3/SPI_MISO	10	MISO
		ADC2/SPI_SCK	11	SCK
		ADC1/SPI_SSN	12	FLASH_CS
		ADC0/DATARDY	13	ADC0

TGT_NRESET
TGT_SWDIO
TGT_SWCLK
TGT_SWO

TGT_RX
TGT_TX

USB
GND
VBUS
D-
D+
CON2

MOD1
ISM43340-M4G-L44-XXX

+3.3V_TGT   +3.3V_TGT

C2 100nF   C5 10uF
C3 100nF   C4 10uF

+3.3V_TGT

IC2

MOSI	SI	SO	MISO
SCK	SCK	GND	
	RESET	VCC	
FLASH_CS	CS	WP	

MX25R3235FM1IH0

+3.3V_TGT

+3.3V_TGT

C1
100nF

mbed-HDK

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