PIN	NAME	DEFAULT		
1	PE2	TRACECK/ FSMC_A23	STEPPER	X-STEP
2	PE3	TRACED0/FSMC_A19	STEPPER	X-EN
3	PE4	TRACED1/FSMC_A20	ENDSTOP	Z-MAX
4	PE5	TRACED2/FSMC_A21	ENDSTOP	Z-MIN
5	PE6	TRACED3/FSMC_A22	ENDSTOP	Y-MAX
14	NRST	NRST	RESET	BUTTON SWD
15	PC0	ADC123_IN10	ENDSTOP	Y-MIN
16	PC1	ADC123_IN11	ENDSTOP	X-MAX
17	PC2	ADC123_IN12	ENDSTOP	X-MIN
18	PC3	ADC123_IN13	STEPPER	E1-DIR
23	PA0-WKUP	WKUP/USART2_CTS/ ADC123_IN0 /TIM2_CH1_ETR /TIM5_CH1/TIM8_ETR	STEPPER	E1-STEP
24	PA1	USART2_RTS/ ADC123_IN1/ TIM5_CH2/TIM2_CH2	STEPPER	E1-EN
25	PA2	USART2_TX/TIM5_CH3 /ADC123_IN2/ TIM2_CH3	STEPPER	E2-DIR
26	PA3	USART2_RX/TIM5_CH4 /ADC123_IN3/TIM2_CH4	STEPPER	E2-STEP
29	PA4	SPI1_NSS/ USART2_CK /DAC_OUT1/ADC12_IN4	STEPPER	E2-EN
30	PA5	SPI1_SCK/ DAC_OUT2/ ADC12_IN5	H/T	PWM-ADD0
31	PA6	SPI1_MISO /TIM8_BKIN/ADC12_IN6 /TIM3_CH1	H/T	PWM-HEAT1
32	PA7	SPI1_MOSI/ TIM8_CH1N/ADC12_IN7 /TIM3_CH2	H/T	PWM-HEAT0
33	PC4	ADC12_IN14	H/T	T2
34	PC5	ADC12_IN15	H/T	T1
35	PB0	ADC12_IN8/TIM3_CH3 /TIM8_CH2N	H/T	T0
36	PB1	ADC12_IN9/TIM3_CH4/ TIM8_CH3N	ADD	PWM-BED
38	PE7	FSMC_D4	LCD	LCD-D0
39	PE8	FSMC_D5	LCD	LCD-D1
40	PE9	FSMC_D6	LCD	LCD-D2
41	PE10	FSMC_D7	LCD	LCD-D3
42	PE11	FSMC_D8	LCD	LCD-D4
43	PE12	FSMC_D9	LCD	LCD-D5
44	PE13	FSMC_D10	LCD	LCD-D6
45	PE14	FSMC_D11	LCD	LCD-D7
46	PE15	FSMC_D12	LCD	LCD-CS
47	PB10	I2C2_SCL/USART3_TX	LCD	LCD-CD

LCD Compat

48	PB11	I2C2_SDA/USART3_RX	LCD	LCD-WR
51	PB12	SPI2_NSS/I2S2_WS/ I2C2_SMBA/ USART3_CK/ TIM1_BKIN	SPI	SPI-CS1
52	PB13	SPI2_SCK/I2S2_CK /USART3_CTS/ TIM1_CH1N	SPI	SPI-SCK
53	PB14	SPI2_MISO/TIM1_CH2N/ USART3_RTS	SPI	SPI-MISO
54	PB15	SPI2_MOSI/I2S2_SD /TIM1_CH3N	SPI	SPI-MOSI
55	PD8	FSMC_D13	SPI	SPI-CS2
56	PD9	FSMC_D14	LCD	LCD-RD
57	PD10	FSMC_D15	SERVO	SERVO1
58	PD11	FSMC_A16	SERVO	SERVO2
59	PD12	FSMC_A17	SERVO	SERVO3
60	PD13	FSMC_A18	SERVO	SERVO4
61	PD14	FSMC_D0	EXTRA	EXTRA0
62	PD15	FSMC_D1	EXTRA	EXTRA1
63	PC6	I2S2_MCK/ TIM8_CH1/SDIO_D6	ADD	PWM-ADD3
64	PC7	I2S3_MCK/ TIM8_CH2/SDIO_D7	ADD	PWM-ADD2
65	PC8	TIM8_CH3/SDIO_D0	ADD	PWM-ADD1
66	PC9	TIM8_CH4/SDIO_D1	EXTRA	EXTRA2
67	PA8	USART1_CK/ TIM1_CH1/MCO	EXTRA	EXTRA3
68	PA9	USART1_TX/ TIM1_CH2	UART	UART1
69	PA10	USART1_RX/ TIM1_CH3	UART	UART1
70	PA11	USART1_CTS/USBDM CAN_RX/TIM1_CH4	USB	USB-DM
71	PA12	USART1_RTS/USBDP/ CAN_TX/TIM1_ETR	USB	USB-DP
72	PA13	JTMS-SWDIO	SWD	SWDIO
76	PA14	JTCK-SWCLK	SWD	SWDCLK
78	PC10	UART4_TX/SDIO_D2	EXTRA	EXTRA4
79	PC11	UART4_RX/SDIO_D3	EXTRA	EXTRA5
80	PC12	UART5_TX/SDIO_CK	BL	UART5-TX
83	PD2	TIM3_ETR/UART5_RX /SDIO_CMD	BL	UART5-RX
84	PD3	FSMC_CLK	STEPPER	Z-DIR
85	PD4	FSMC_NOE	STEPPER	Z-STEP
86	PD5	FSMC_NWE	STEPPER	Z-EN
87	PD6	FSMC_NWAIT	STEPPER	E0-DIR
88	PD7	FSMC_NE1/FSMC_NCE2	STEPPER	E0-STEP

91 PB5	I2C1_SMBA/ SPI3_MOSI/ I2S3_SD	STEPPER	E0-EN
92 PB6	I2C1_SCL/ TIM4_CH1	I2C	I2C-SCL
93 PB7	I2C1_SDA / FSMC_NADV / TIM4_CH2	I2C	I2C_SDA
95 PB8	TIM4_CH3/SDIO_D4	STEPPER	Y-DIR
96 PB9	TIM4_CH4/SDIO_D5	STEPPER	Y-STEP
97 PE0	TIM4_ETR / FSMC_NBL0	STEPPER	Y-EN
98 PE1	FSMC_NBL1	STEPPER	X-DIR

tible with ADAFRUIT 2.8" 8080 Breakout