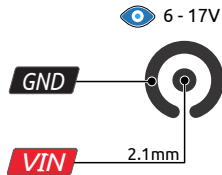
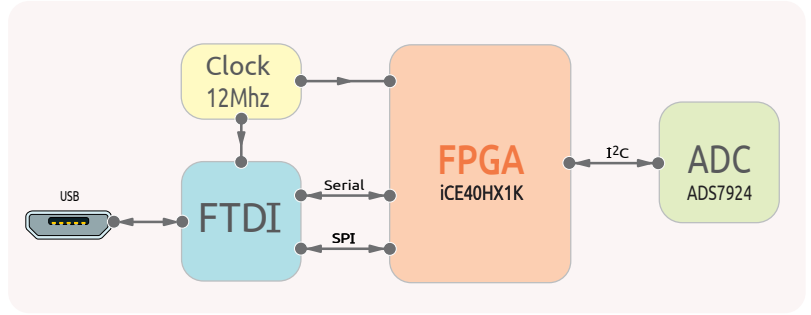


ICEZUM

Alhambra

- Power
- GND
- Serial Pin
- Analog Pin
- Control
- Physical Pin
- Icestudio name



FPGA GPIO (5V)
 Input pins: at least +/- 2mA driving strength required
 Output pins impedance:
 4K (steady state)
 40R (Transitions)

FPGA Direct GPIO (3V3)
 Absolute Max per pin 8mA
 Recommended 6 mA

95	1_62	LED0
96	1_63	LED1
97	1_64	LED2
98	1_65	LED3
99	1_66	LED4
101	1_67	LED5
102	1_68	LED6
104	1_69	LED7

10	3_4B	SW1
11	3_5A	SW2

87	1_56	DD5 SCL
88	1_57	DD4 SDA

144	0_96	D13
143	0_95	D12
142	0_94	D11
141	0_93	D10
139	0_92	D9
138	0_91	D8
112	0_73	D7
113	0_74	D6
114	0_75	D5
115	0_76	D4
116	0_77	D3
117	0_78	D2
118	0_79	D1
119	0_80	D0

External Analog Reference

6-17V

5V Pins

5V Pins

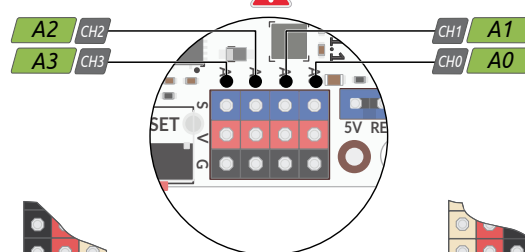
Clock 12Mhz 21 3_7A

ADC I2C
 Interrupt 93 1_60
 SDA 90 1_58
 SCL 91 1_59

FTDI
 SCK 70 2_46
 SDI 68 2_45
 SDO 67 2_44
 SS 71 2_47
 DONE 65 CDONE
 REST 66 CREST

FTDI
 RX 9 3_4A
 TX 8 3_3B
 RTS 7 3_3A
 CTS 4 3_2B
 DTR 3 3_2A
 DSR 2 3_1B
 DCD 1 3_1A

Connected to ADS7924 via I2C



Analog Reference
 AREF >= 3V3