Red Pitaya d.o.o.
Velika pot 22
5250 Solkan
Slovenia

www.redpitaya.com

Electrical schematics for:

name: Red Pitaya STEM 125-10
version: 1.0
variant: STEM B

Red Pitaya

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IDC 2.54mm 26 pin low profile

Analog Output 0
Analog Output 1
Analog Output 2
Analog Output 3

Ext com mode
GND

Analog Input 0
Analog Input 1
Analog Input 2
Analog Input 3

0~+7Vin
0~+1,8Vout

0,5V default range

4

Power supply voltage monitor
0,5Vadc@6,1Vin

I/O digital, I/O slow analog, Extension connectors

IDC 2.54mm 26 pin low profile

I2C SCL
I2C SDA

uart Rx
uart Tx

GND

Ext Adc CLK+
Ext Adc CLK-
All power supply voltages must be within tolerances to activate Power Good and Power-On Reset signal.

POW
DC power
+4.75–5.25Vin
1.5Amin
μ USB B type

BAT
3pin HEADER 2.54mm
Without battery = JUMPER 1-2

JTAG
6pin HEADER 2.54mm

LED, Power, JTAG, testpoints

Note: number next to port symbol indicates the sheet where the signal is connected