

Summary

The USB Evaluation Board is a circuit board for evaluating USB products from Firmware Factory. In any given evaluation, only a small proportion of the components will be fitted. For this reason it is supplied unpopulated and uses through-hole components for easy manual construction.

Compatible USB Products

The evaluation board is compatible with the following USB products from Firmware Factory:

- USB-232 asynchronous serial interface
- TEAleaf-USB security and authentication dongle
- expandIO-USB I/O expander
- USB-SPI synchronous serial interface
- USB-I2C synchronous serial interface
- USB-TakeOff managed power take-off, wakeup and charge controller
- USB-DAQ data logger
- USB-FileSys configuration and diagnostic module

To use the evaluation board with each of these products, please refer to each product's individual data sheet.

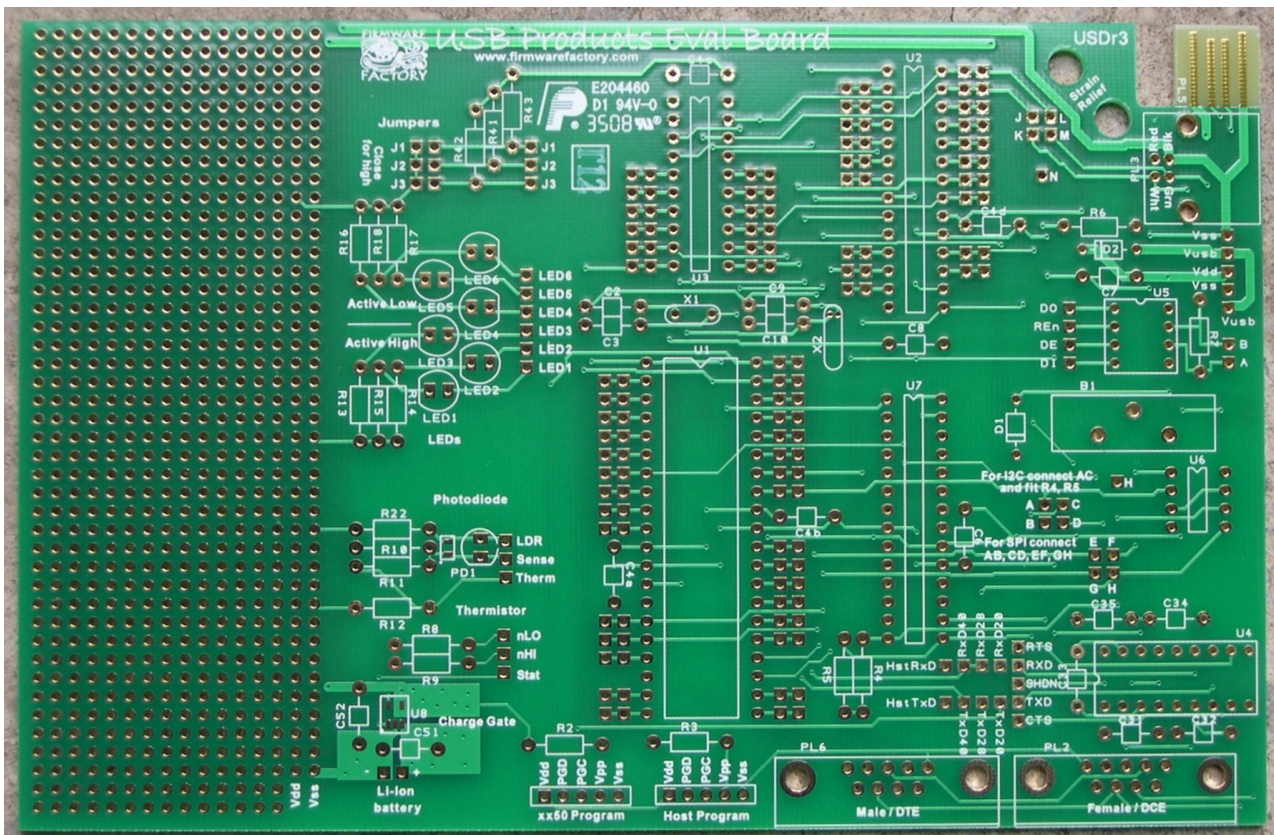
Features

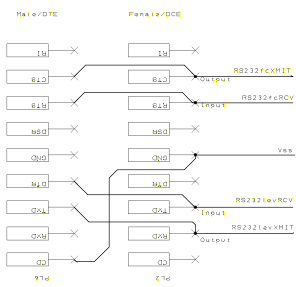
The board provides for:

- 20-pin, 28-pin and 40-pin DIL devices
- Type B socket, suitable for standard USB cables
- Type A plug, suitable for USB extension cables
- 12MHz and 32kHz crystal oscillators
- RS232 line driver, 9-pin sockets in DTE and DCE configurations
- RS485 line driver
- Coin cell battery
- SPI serial memory
- 28-pin DIL host processor
- 3 active low LEDs
- 3 active high LEDs
- 3 jumpers
- Photodiode
- Thermistor
- Li-Ion charge controller
- Prototyping area

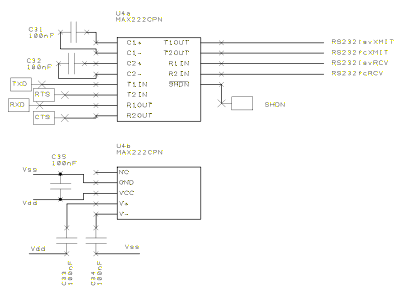


Firmware Factory Ltd
2 Marshall St, 3rd Floor
London W1F 9BB, UK
sales@firmwarefactory.com
support@firmwarefactory.com

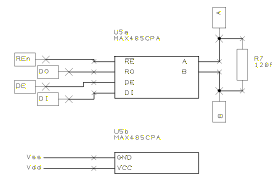




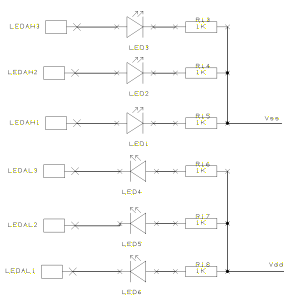
RS232 connectors



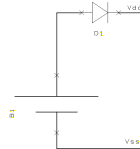
RS232 driver



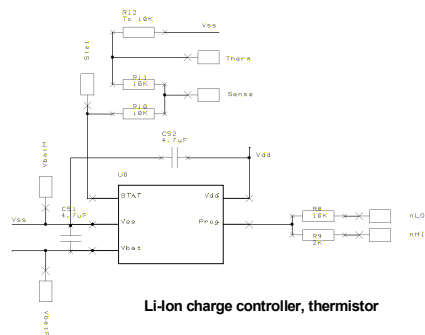
MAX485 driver



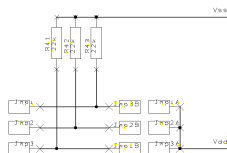
LEDs



Coin cell

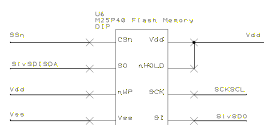
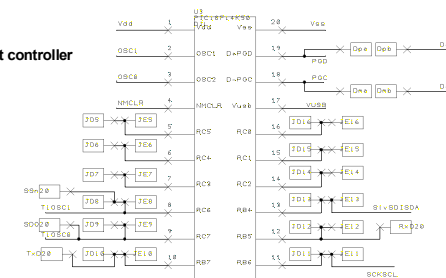


Li-Ion charge controller, thermistor

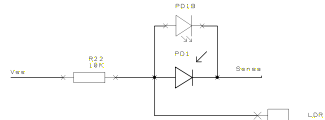


Jumpers

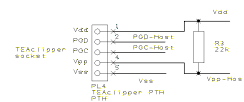
Host controller



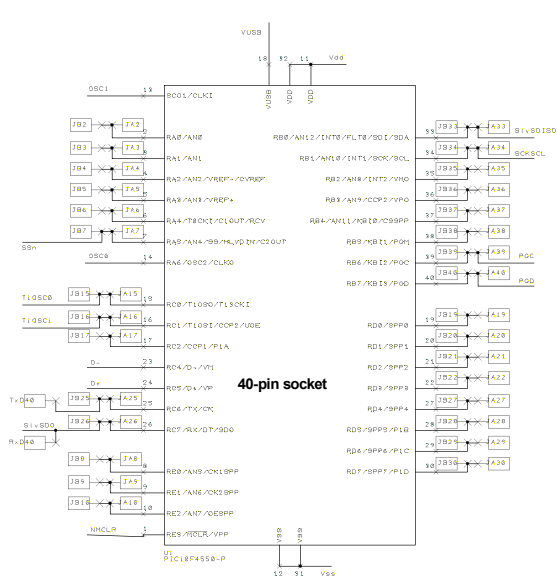
Serial Memory



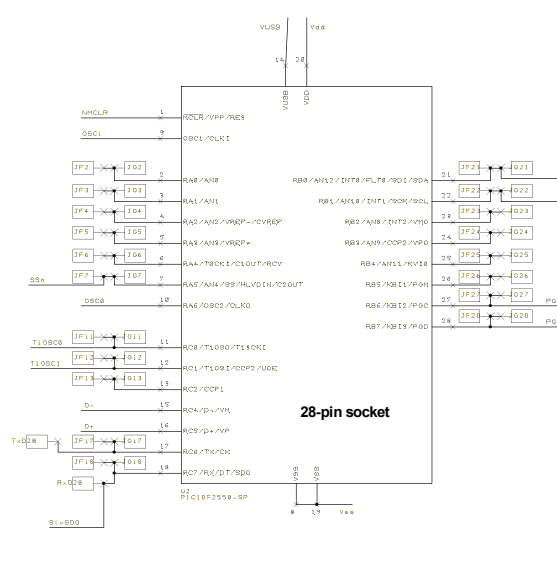
Photodiode



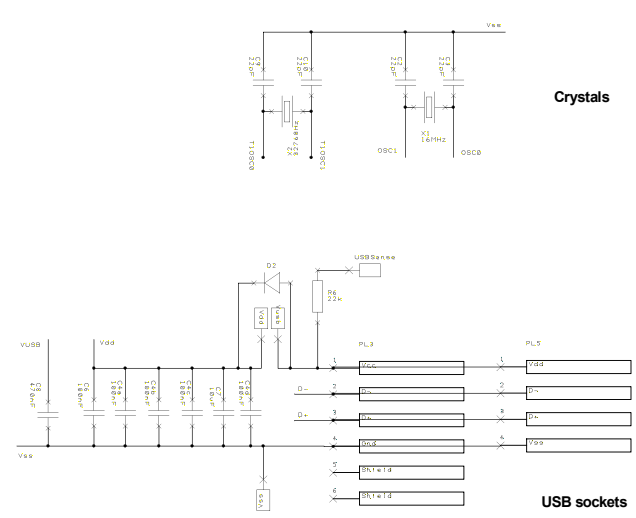
TEAclipper connector for host controller



40-pin socket

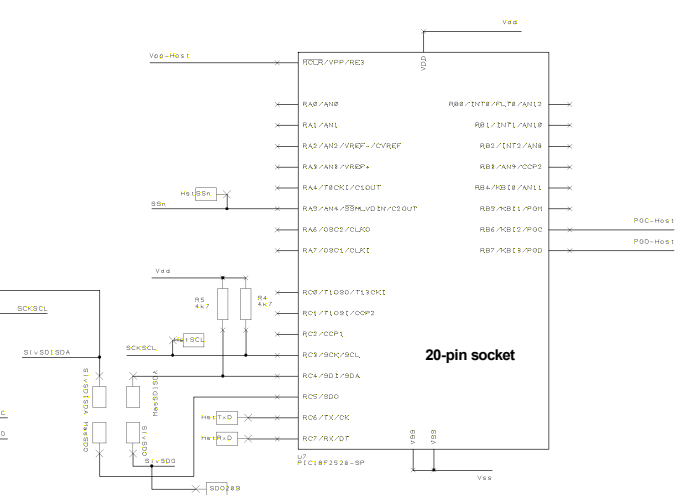


28-pin socket



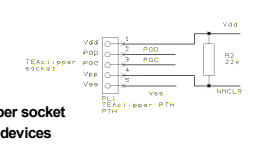
Crystals

USB sockets



20-pin socket

Connect vertically for BP1
Connect SDA* for I2C and P1: R4/R5



TEAclipper socket for USB devices

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype [ameyasales1](#) [ameyasales2](#)

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com