Evaluation Board for USB4604 - Battery Charging w/ UCS1002

An EVB that supports:

USB 2.0 Upstream
Self-powered platform from 12 VDC
USB4604 Battery Charging on all downstream ports
SMBus-controlled UCS1002 current reporting
Optional SPI programming and configuration
*Note:

For embedded hub designs, system should provide RESET#.

*Note:

For all USB differential pairs, Zdiff = 90 Ohms.

*Note:

All USB differential pairs must have Ediff = 90 Ohms.

*Note:

Jumper selections marked with an asterisk (*) are default settings.

*Note:

UCS1002's PWR_EN, M1, M2, EM_EN are to be controlled by SMBus.

Set PWR_IGNORE bit (Reg 17h, Bit 7) to 1.

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