Evaluation Board for USB4604 - Battery Charging w/ UCS1002

An EVB that supports:

- HSIC 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: Do not assert Ext. VR_DET until VBUS 2.4 is good and prevent back powering the USB4604.

*Note: All USB differential pairs must have Zdiff = 90 Ohms.

*Note: UCS1002's PWR_EN, M1, M2, EM_EN are to be controlled by SMBus Set PIN_IGNORE bit (Reg 17h, bit 7) to 1.

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

*Note: For embedded hub designs, system should provide RESET#.