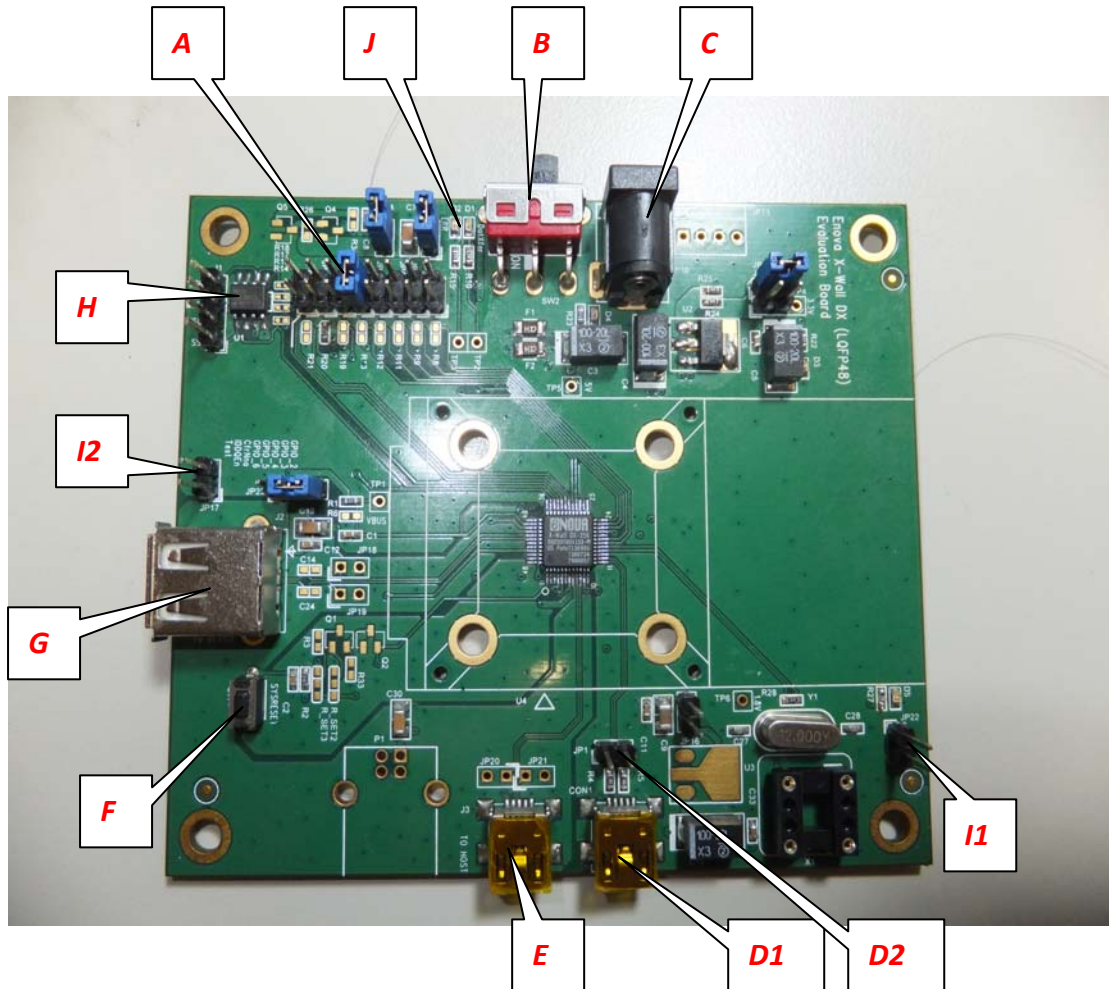


X-Wall DX Development Board Quick Guide

A. Hardware Configuration (DX-DEV-R1)



B. Block Description

Block	Description
A	Jumper Setting Group A. Please cross reference to the X-Wall DX Design Guide. JP6 default is short. Do NOT change this JP6 setting. See more details below.
B	SW2 – Switch for external power to work in conjunction with Port C. Default at OFF. When C presents, switch to “ON.”
C	JP10 – External 5V DC power input
D1	CON1 – mini-USB connector used to connect 24C02 EEPROM
D2	JP1 – Jumper of GPIO_0 (left pin) and GPIO_1 (right pin). Note that GPIO_0 acts as I2C clock and GPIO_1 acts as I2C data. Both are clocking at 400KHz.
E:	J3 – mini-USB connector used to connect to a USB Host via USB 2.0 interface.



F	SW1 – Hardware Reset button
G	J2 – USB female A-type connector used to connect to a USB storage MSC device
H	Including J1 (on the left) and U1 (on the right, SPI Flash) – External SPI flash and probe pins. Please refer to the DX Design Guide for the J1 definition or look at the on-board printing description.
I1 & I2	JP17 & JP22 – Ground pins.
J	D2 & D1 – Error indicator (D2) and activity indicator (D1)

C. Jumper Settings for Block A.

Jumper Setting Group A: (From RIGHT to LEFT)

	NAME	OPEN(default)	CLOSE
JP2	GPIO_2	1	0
JP3	GPIO_3	1	0
JP4	GPIO_4	1	0
JP5	GPIO_5	1	0
JP6	GPIO_6	1	0
JP7	CfrEna	1	0
JP8	IDDQEn	1	0
JP9	Test	0	1

* JP6 is default to short to enable boot from external SPI flash firmware code. Other settings are default for normal operation. They should not be changed unless further instructed.

D. Quick Installation

1. Connect a USB MSC storage device (USB thumb drive or USB external hard disk) to J2 by plugging directly or through a USB cable;
 - 1.1 If your USB MSC storage device is 2.5" USB hard disk and without additional power supply unit, you may connect an additional 5V DC power supply to JP10 of DX evaluation board then turn on SW2. It can help resolve possible insufficient power problem of the 2.5" USB hard disk. Note that 5V DC power supply unit addresses usually seen insufficient power issue with using a 2.5" USB hard drive. It is not required with other USB thumb drives.
2. Short JP6. (It should be shorted by default setting of shipment);
3. Connect J3 to a USB Host of a computer through an USB-A to mini-USB cable;
4. The system should be able to recognize the connected USB MSC storage device if everything is OK.
5. Start testing.