Board Setup

1. Plug the Expansion Board into Port A of the CY8CKIT-001 DVK and connect the MiniProg3 to the PSoC 3 processor module.

2. Connect the Jumper Wire from port VR to port P0_2 on the CY8CKIT-001 DVK.

3. Plug 12V adaptor into the power jack of CY8CKIT-001 DVK and the other end to a wall outlet to power the DVK.
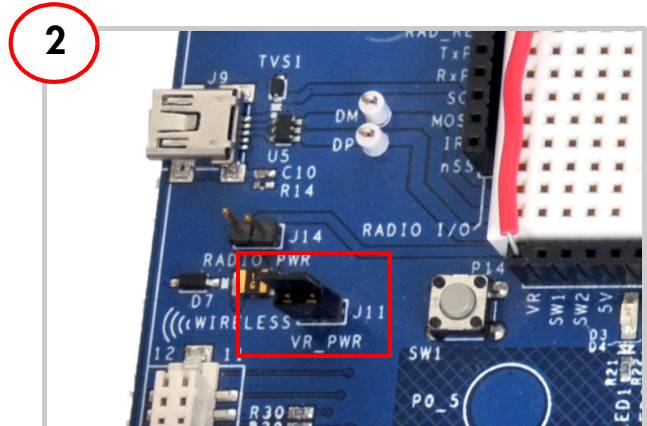

Jumper Settings

1. Power ON the VR by setting the Jumper J11 to ON position on CY8CKIT-001 DVK.

2. Rest of the jumper settings on the CY8CKIT-001 DVK should be left to the default state. Refer to the "PSoC Development Kit Board Guide" for the default setting of the Jumpers.

Install Software

1. Insert the Kit CD and install Kit software.

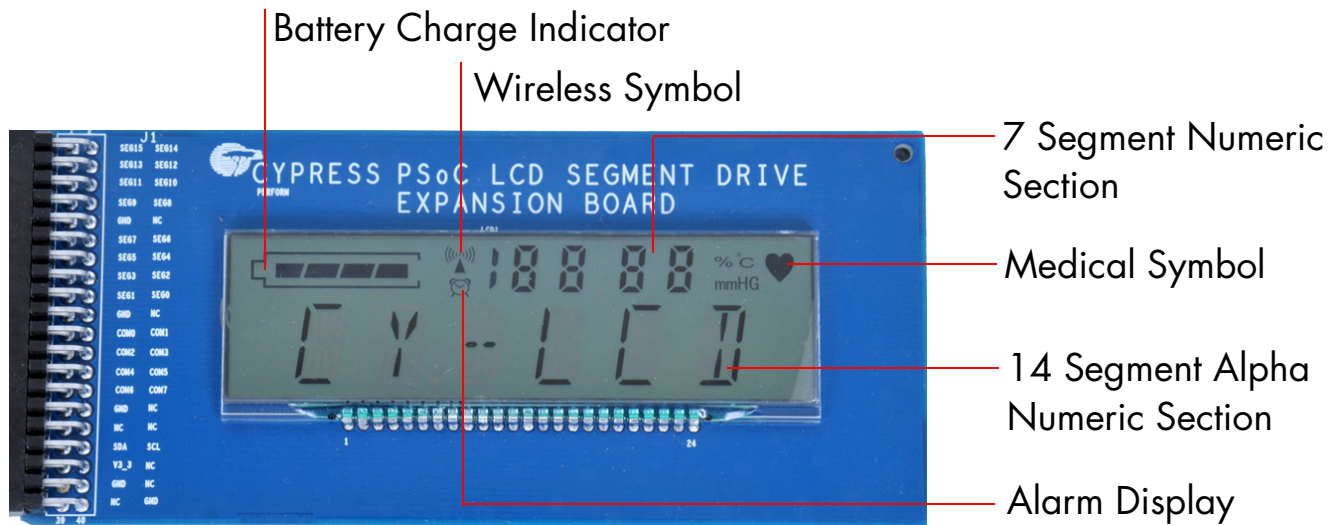2. Open the Kit Guide for additional documentation, projects, and Demos.
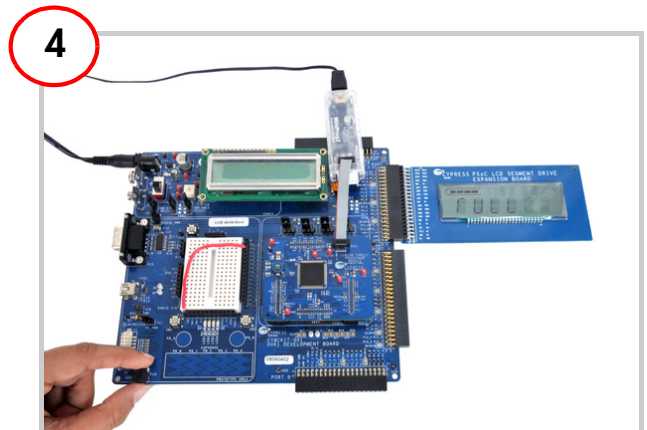
Board Testing

1. Program the PSoC 3 device on board the CY8CKIT-001 DVK with Example project – "Battery Meter".

2. Vary the VR (Potentiometer) and note status changes displayed on the LCD.

[+] Feedback

LCD Segment Details

Battery Charge Indicator

Wireless Symbol

7 Segment Numeric Section

Medical Symbol

14 Segment Alpha Numeric Section

Alarm Display

Pixel Mapping Table

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
COM8	COM8								T7	S1	S2	COL1	S3	S4	S5	COL2	T1	T4	T2	T3	COL3	COL4	T5	T6
COM7		COM7							1A	1J	2A	2J	3A	3J	4A	4J	5A	5J	6A	6J	10D	9D	8D	7D
COM6			COM6						1P	1K	2P	2K	3P	3K	4P	4K	5P	5K	6P	6K	10C	9C	8C	7C
COM5				COM5					1F	1B	2F	2B	3F	3B	4F	4B	5F	5B	6F	6B	10E	9E	8E	7E
COM4					COM4				1G	1L	2G	2L	3G	3L	4G	4L	5G	5L	6G	6L	10G	9G	8G	7G
COM3						COM3			1E	1C	2E	2C	3E	3C	4E	4C	5E	5C	6E	6C	10B	9B	8B	7B
COM2							COM2		1M	1R	2M	2R	3M	3R	4M	4R	5M	5R	6M	6R	10F	9F	8F	7F
COM1								COM1	1N	1D	2N	2D	3N	3D	4N	4D	5N	5D	6N	6D	10A	9A	8A	7A

Segment Lettering Information
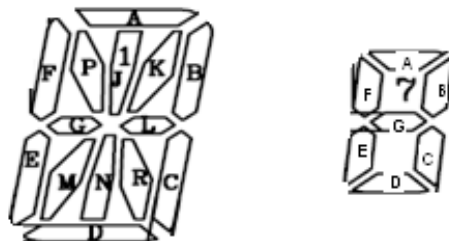
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