



Development Board for MC56F83xxx Digital Signal Controllers

MC56F83000-EVK

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The MC56F83000-EVK is an ultra-low-cost development platform for Digital Signal Controller MC56F83xxx MCU.

- Form-factor compatible with the Arduino™ R3 pin layout.
- ROM bootloader supporting SCI, IIC and CAN.
- Peripherals enable rapid prototyping, including a 6-axis digital accelerometer and magnetometer to create full eCompass capabilities, 6 buffered LEDs indicating PWM signals, 4 user LEDs, 4 user push-buttons for direct interaction, an SPI interfaced Flash memory, a high speed CAN transceiver circuit, a USBOTG connector, and a USB to UART bridge circuit.
- On board OSBDM circuit enabling debugging and programming with CodeWarrior.

MC56F83000-EVK Call Out Block Diagram

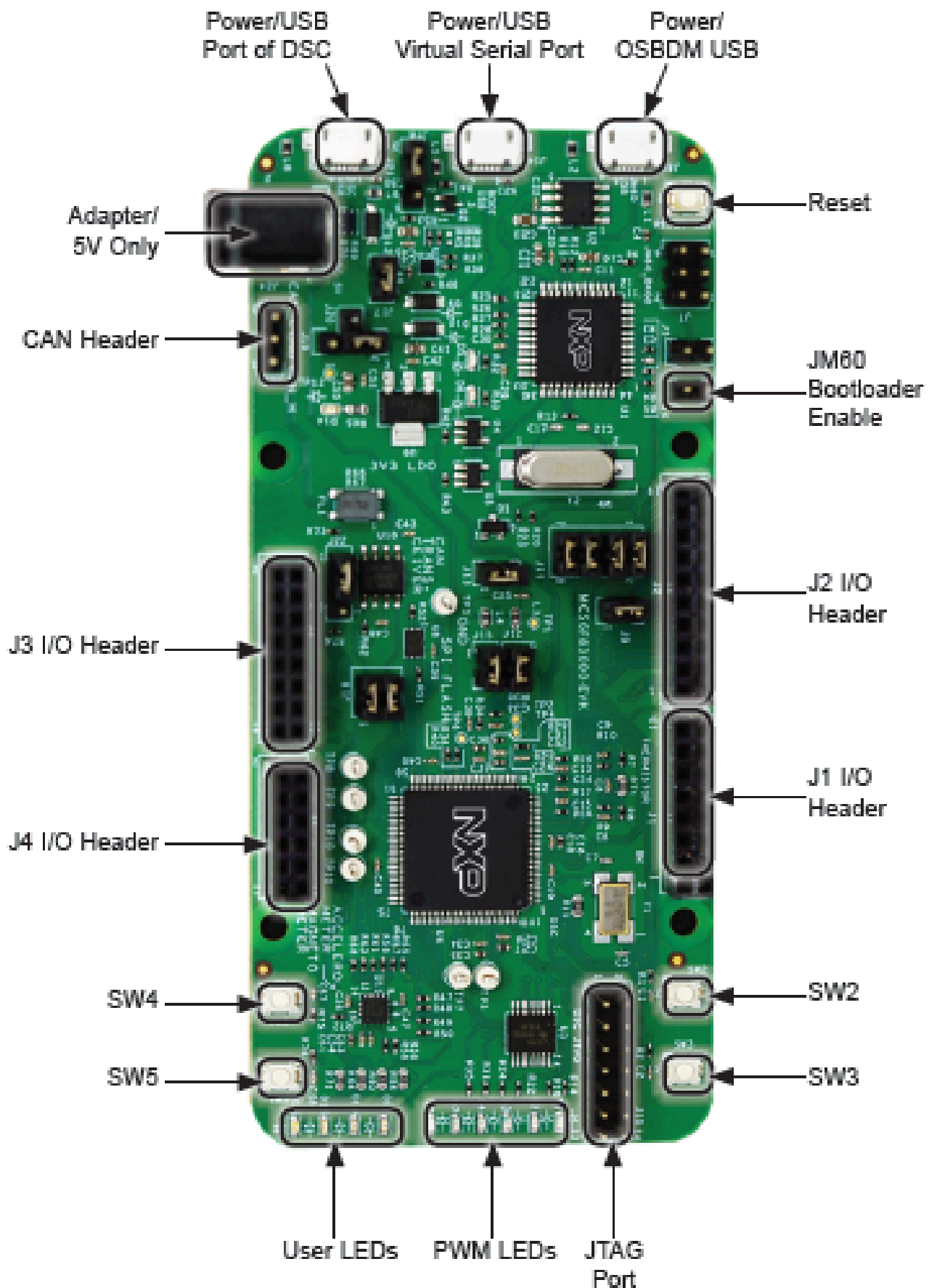
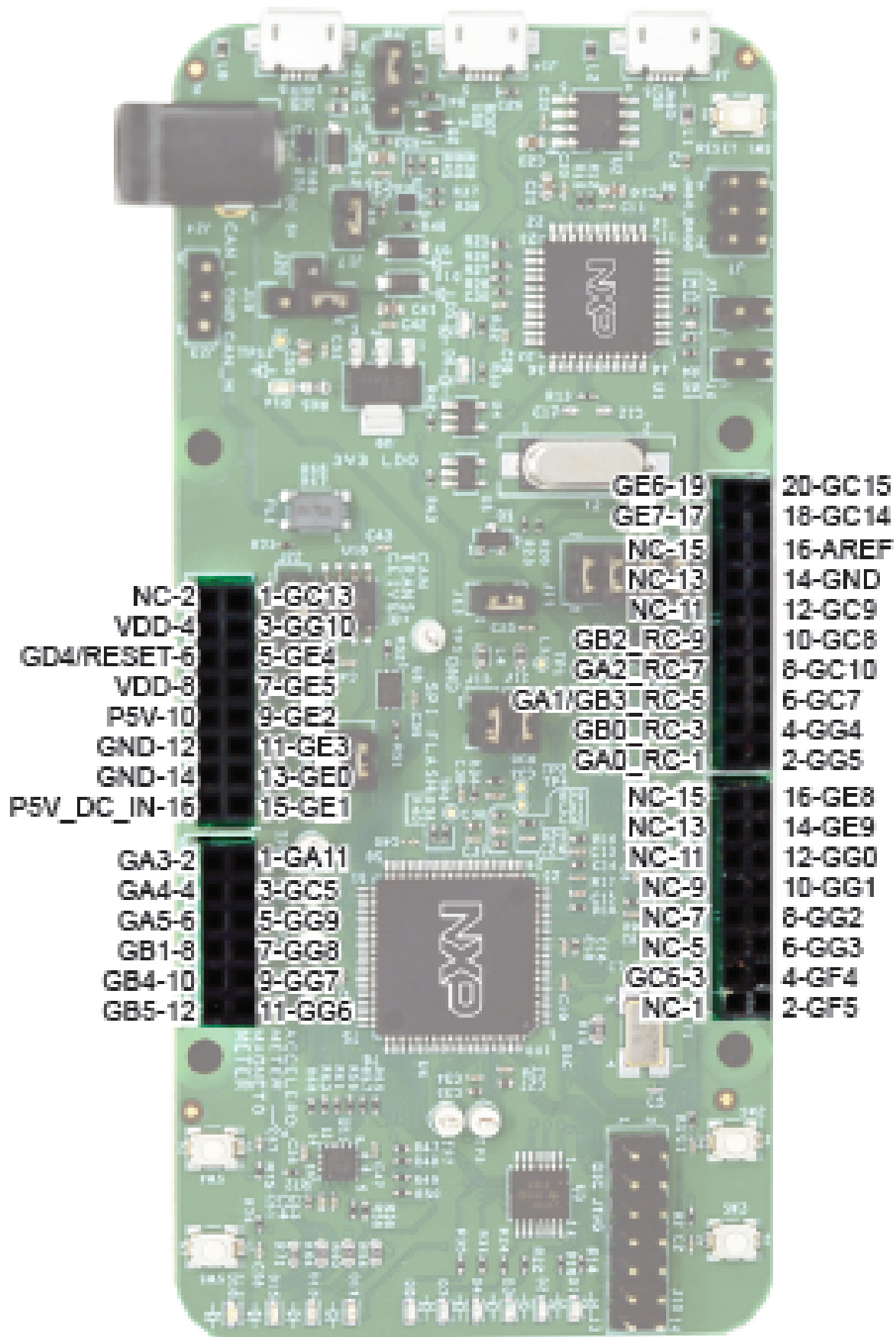


Figure 1: MC56F83000-EVK Callouts

MC56F83000-EVK Pin Out Block Diagram



NC-2	1-GC13	GE6-19	20-GC15
VDD-4	3-GG10	GE7-17	18-GC14
GD4/RESET-6	5-GE4	NC-15	16-AREF
VDD-8	7-GE5	NC-13	14-GND
P5V-10	9-GE2	NC-11	12-GC9
GND-12	11-GE3	GB2_RC-9	10-GC8
GND-14	13-GE0	GA2_RC-7	8-GC10
P5V_DC_IN-16	15-GE1	GA1/GB3_RC-5	6-GC7
		GB0_RC-3	4-GG4
		GA0_RC-1	2-GG5
		NC-15	16-GE8
GA3-2	1-GA11	NC-13	14-GE9
GA4-4	3-GC5	NC-11	12-GG0
GA5-6	5-GG9	NC-9	10-GG1
GB1-8	7-GG8	NC-7	8-GG2
GB4-10	9-GG7	NC-5	6-GG3
GB5-12	11-GG6	GC6-3	4-GF4
		NC-1	2-GF5

View additional information for [Development Board for MC56F83xxx Digital Signal Controllers](#).

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