



# Development Board for MC56F83xxx Digital Signal Controllers

## MC56F83000-EVK

Last Updated: Nov 22, 2023

The MC56F83000-EVK is an ultra-low-cost development platform for digital signal controller MC56F83xxx MCU.

The kit is form-factor compatible with the Arduino™ R3 pin layout and features 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.

The MC56F83000-EVK features onboard OSBDM circuit enabling debugging and programming with CodeWarrior.

## MC56F83000-EVK Call Out Block Diagram

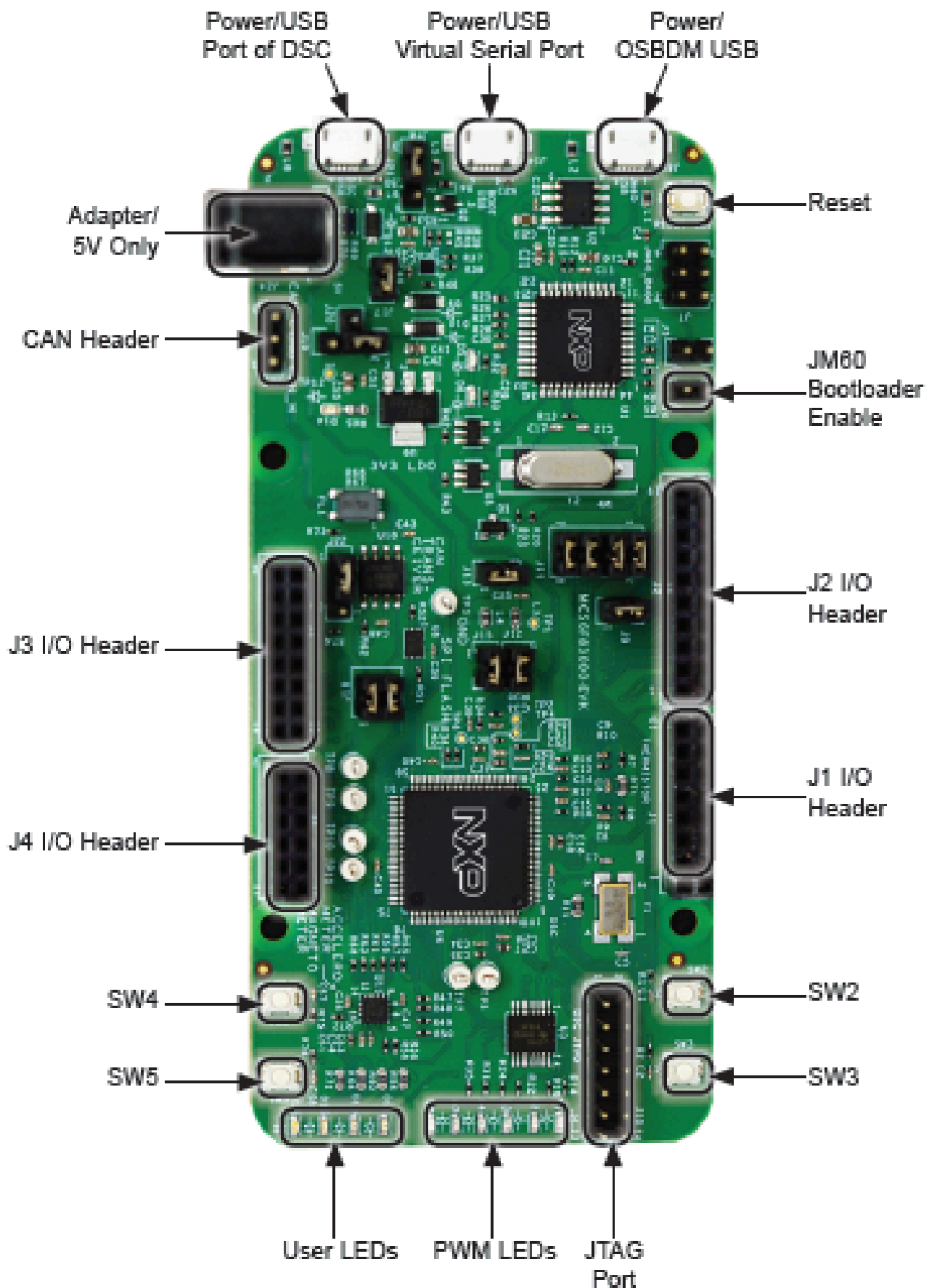
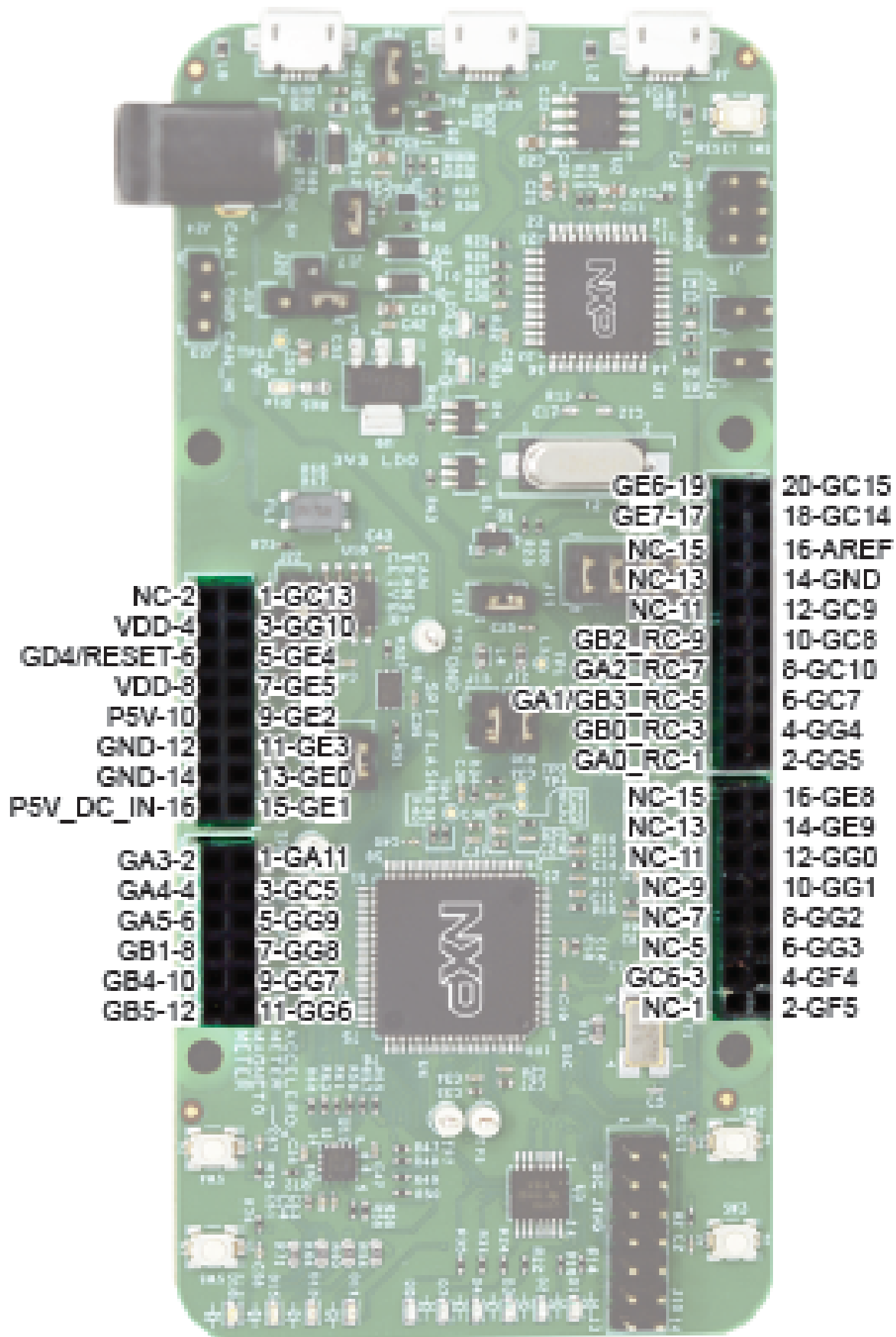


Figure 1: MC56F83000-EVK Callouts

## MC56F83000-EVK Pin Out Block Diagram



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

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

**Note:** The information on this document is subject to change without notice.

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