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.

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.
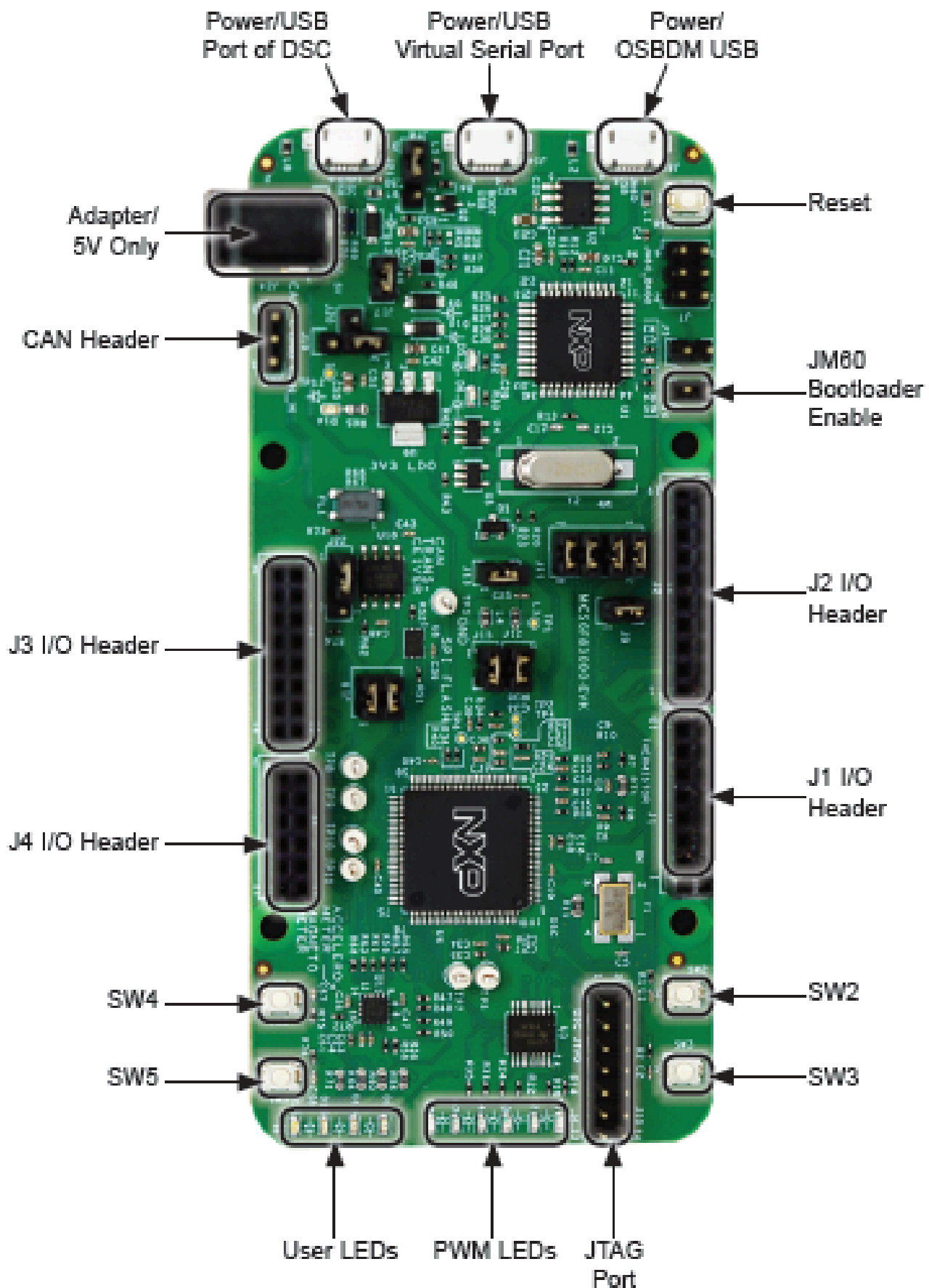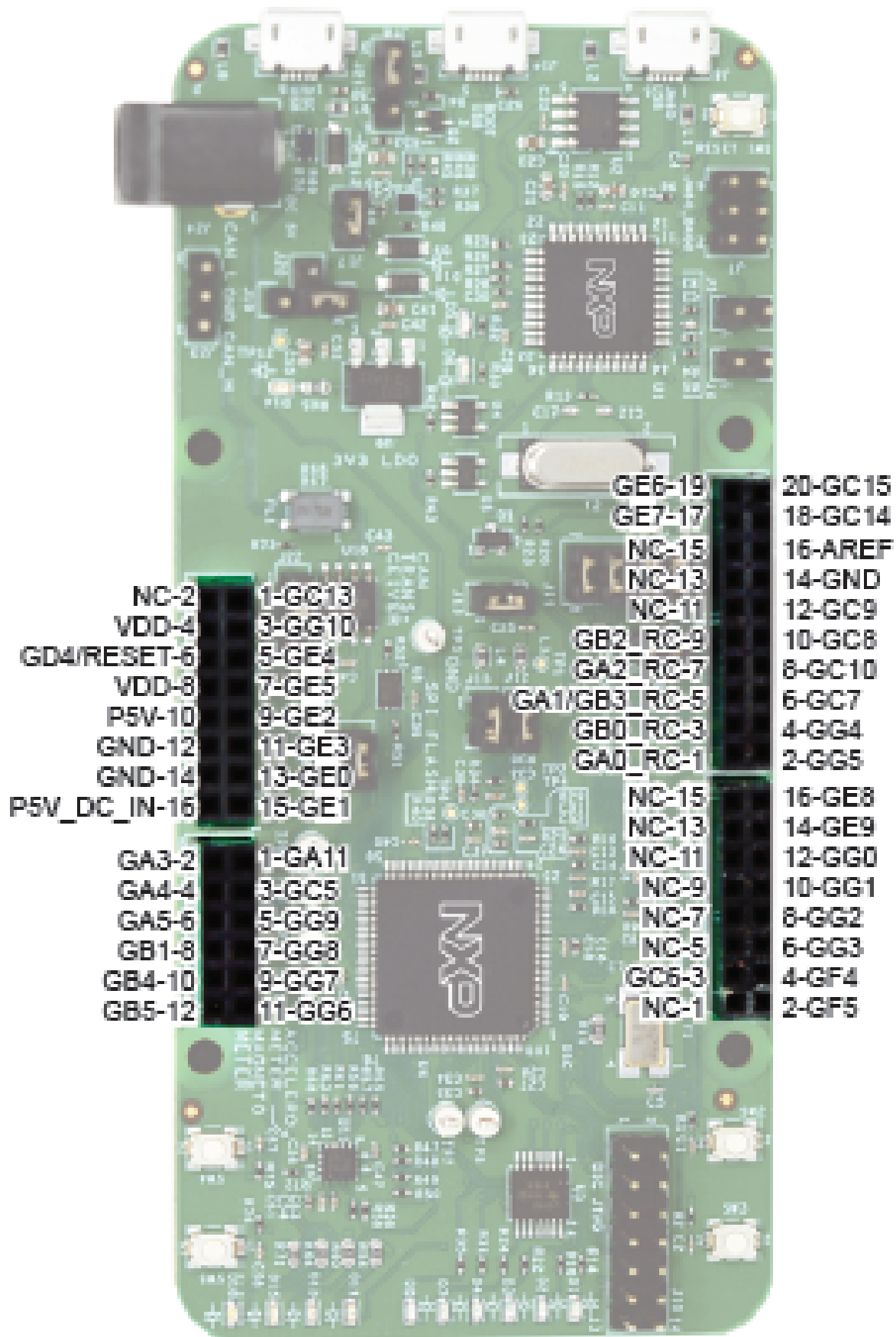
MC56F83000-EVK Call Out Block Diagram

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
GB2 RC-9              10-GC8
GA2 RC-7               8-GC10
GA1/GB3 RC-5           6-GC7
GB0 RC-3               4-GG4
GA0 RC-1               2-GG5
```

```
       NC-2          1-GC13
      VDD-4          3-GG10
GD4/RESET-6          5-GE4
      VDD-8          7-GE5
     P5V-10          9-GE2
     GND-12         11-GE3
     GND-14         13-GE0
P5V_DC_IN-16        15-GE1
```

```
NC-15                16-GE8
NC-13                14-GE9
NC-11                12-GG0
 NC-9                10-GG1
 NC-7                 8-GG2
 NC-5                 6-GG3
GC5-3                 4-GF4
 NC-1                 2-GF5
```

```
GA3-2          1-GA11
GA4-4          3-GC5
GA5-6          5-GG9
GB1-8          7-GG8
GB4-10         9-GG7
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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