



# Development Board for MC56F81xxx Digital Signal Controllers

## MC56F81000-EVK

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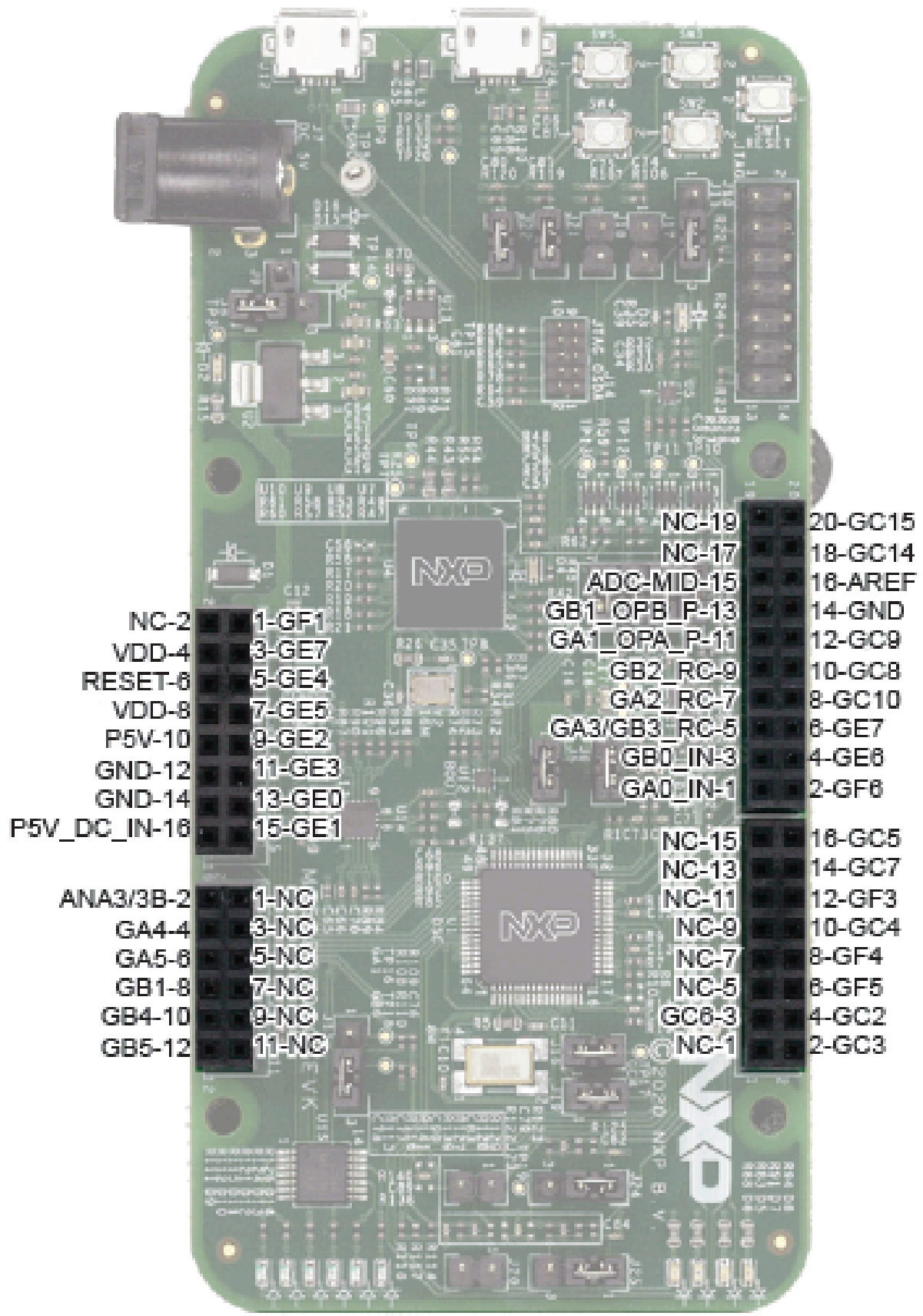
The MC56F81000-EVK is an ultra-low-cost development platform for Digital Signal Controller MC56F81xxx MCU.

- Form-factor compatible with the Arduino™ R3 pin layout.
- ROM bootloader supporting SCI and LPIIC.
- On board OpenSDA circuit enabling debugging and programming with CodeWarrior.
- Peripherals enable rapid prototyping, including a 6-axis digital accelerometer and magnetometer to create full eCompass capabilities, 6 buffered LEDs including PWM signals, 4 user LEDs, 4 user push\_buttons for direct interaction, two OPAMP external feedback circuits, an SPI interfaced Flash memory, and a USB to UART bridge circuit.

## MC56F81000-EVK Call out Block Diagram



## MC56F81000-EVK Pin out Block Diagram



NC-2	1-GF1	NC-19	20-GC15
VDD-4	3-GE7	NC-17	18-GC14
RESET-6	5-GE4	ADC-MID-15	16-AREF
VDD-8	7-GE5	GB1_OPB_P-13	14-GND
P5V-10	9-GE2	GA1_OPA_P-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	GA3/GB3_RC-5	6-GE7
		GB0_IN-3	4-GE8
		GA0_IN-1	2-GF8
ANA3/3B-2	1-NC	NC-15	16-GC5
GA4-4	3-NC	NC-13	14-GC7
GA5-6	5-NC	NC-11	12-GF3
GB1-8	7-NC	NC-9	10-GC4
GB4-10	9-NC	NC-7	8-GF4
GB5-12	11-NC	NC-5	6-GF5
		GC6-3	4-GC2
		NC-1	2-GC3

View additional information for [Development Board for MC56F81xxx Digital Signal Controllers](#).

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

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