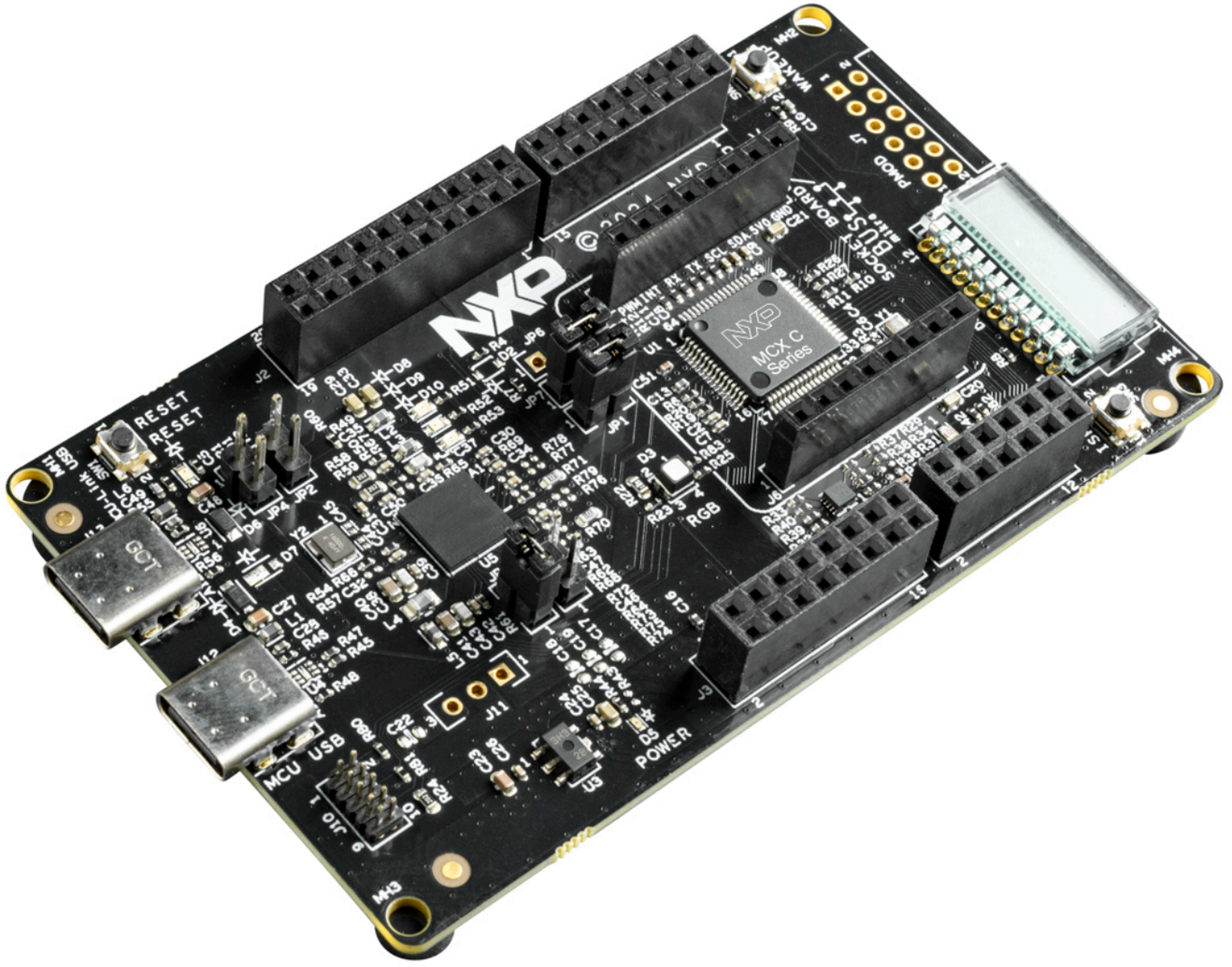
Quick Start Guide

MCUXpresso developer experience

FRDM-MCXC444 Development Board



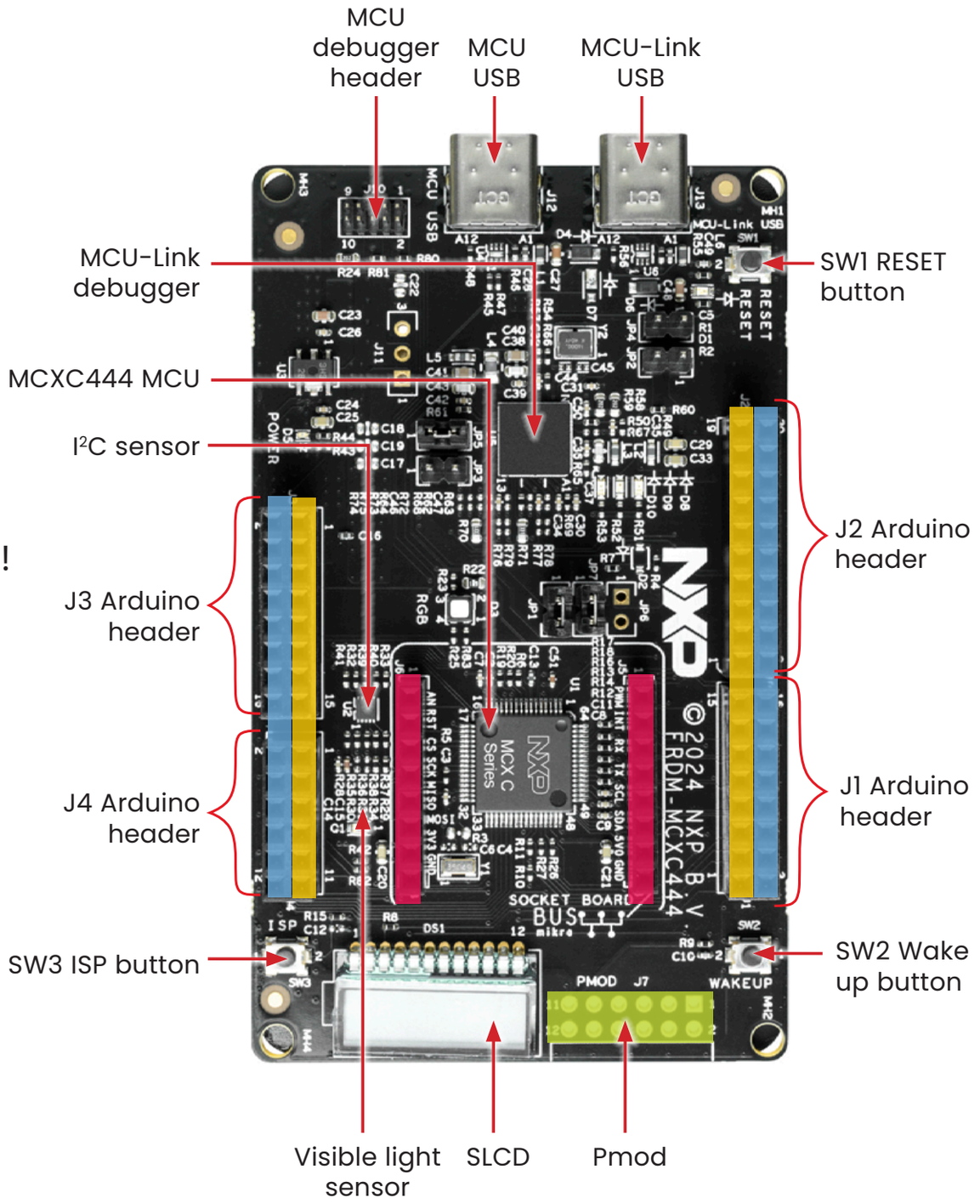
Get to know the FRDM-MCXC444 development board

NXP's MCUXpresso Developer Experience provides you with cost-effective MCU development boards.

Easy I/O access supports expansion board use

for fast prototyping and rapid evaluation.

Enjoy your FRDM-MCXC444!



Arduino® Header

FRDM Header

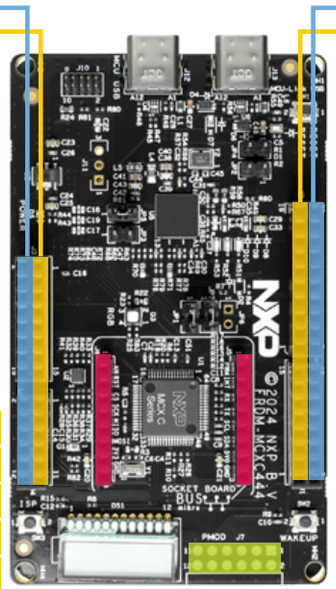
mikroBUS™

Pmod™

NC	NC	2	1	NC	NC
IOREF	P3V3	4	3	NC	NC
RESET	PA20	6	5	NC	NC
3V3_OUT	P3V3	8	7	NC	NC
5V0_OUT	P5V0	10	9	NC	NC
GND	GND	12	11	NC	NC
GND	GND	14	13	NC	NC
VIN	P5-9V_VIN	16	15	NC	NC

A0	PTB0	2	1	PTE20	ADC_DP0
A1	PTB1	4	3	PTE21	ADC_DM0
A2	PTB2	6	5	PTE22	ADC_DP3
A3	PTB3	8	7	PTE23	ADC_DM3
A4	PTC2	10	9	PTE0	CMP_OUT
A5	PTC1	12	11	PTE30	DAC_OUT

VCC	P3V3	12	11	P3V3	VCC
GND	GND	10	9	GND	GND
SDA	PTC2	8	7	PTD5	SCK
SCL	PTC1	6	5	PTD7	SDI
GPIO	PTE29	4	3	PTD6	SDO
GPIO	PTA5	2	1	PTD4	SS



TPM_CLKIN0	PTB16	19	20	PTE1	D19/SCL
TPM_CLKIN1	PTB17	17	18	PTE0	D18/SDA
NC	NC	15	16	VDDA	AREF
NC	NC	13	14	GND	GND
NC	NC	11	12	PTD5	D13/SCK
NC	NC	9	10	PTD7	D12/SDI
NC	NC	7	8	PTD6	D11/PWM/SDO
NC	NC	5	6	PTD4	D10/PWM/SS
NC	NC	3	4	PTD2	D9/PWM
NC	NC	1	2	PTA13	D8

I²S_RXD	PTC5	15	16	PTE30	D7
NC	NC	13	14	PTE29	D6/PWM
I²S_RX_FS	PTC7	11	12	PTA5	D5/PWM
I²S_RX_BCLK	PTC6	9	10	PTA4	D4
I²S_MCLK	PTC4	7	8	PTA12	D3/PWM
I²S_TXD	PTC0	5	6	PTD3	D2
I²S_TX_FS	PTB19	3	4	PTA2	D1/TX
I²S_TX_BCLK	PTB18	1	2	PTA1	D0/RX

AN	PTB0	1	1	PTA12	PWM
RST	PTE30	2	2	PTD3	INT
CS	PTD4	3	3	PTE1	RX
SCK	PTD5	4	4	PTE0	TX
SDI	PTD7	5	5	PTC1	SCL
SDO	PTD6	6	6	PTC2	SDA
3V3	P3V3	7	7	P5V0	5V0
GND	GND	8	8	GND	GND

Arduino® Header

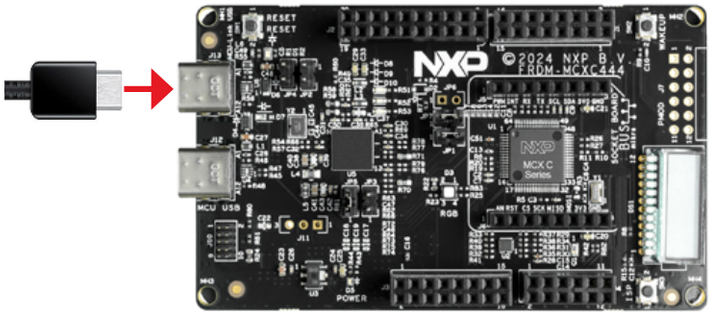
FRDM Header

mikroBUS™

Pmod™

How to get started

Setup



1. Connect the FRDM-MCXC444 board to a PC using the USB Type-C® cable
2. The board comes preprogrammed with a blinky LED demo
3. Get started at nxp.com/FRDM-MCXC444/start

Software and expansion boards

4. Use different headers to connect sensors, Arduino shields and more
5. Access software and tools through our MCUXpresso Developer Experience nxp.com/MCUXpresso
   - Expansion Board Hub mcuxpresso.nxp.com/eb-hub to find add-on boards from NXP and our partners with related MCUXpresso SDK-compatible drivers and examples
   - Application Code Hub mcuxpresso.nxp.com/appcodehub to browse application code examples from our experts to help kick start your project

Support

Visit www.nxp.com/support

www.nxp.com/FRDM-MCXC444

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