Quick Start Guide
OM-SE051ARD

EdgeLock™ SE051
Arduino Compatible Development Kit
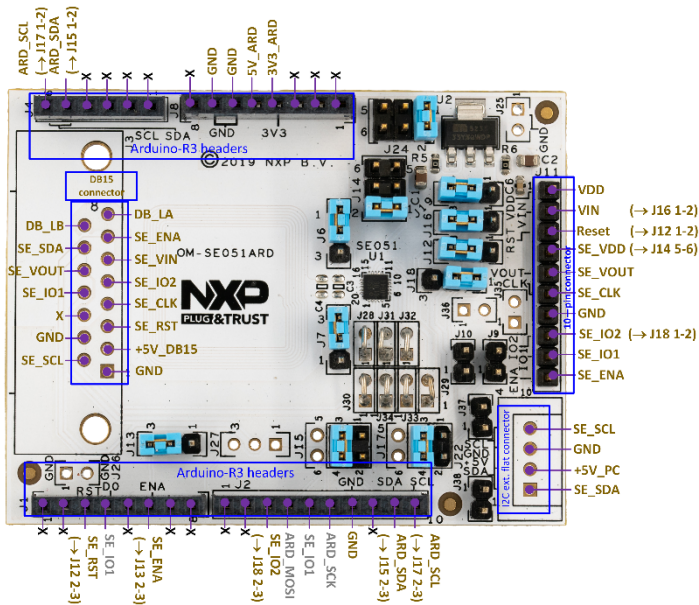
PLUG & TRUST DEVELOPMENT PLATFORM

Get to know the **OM-SE051ARD** board

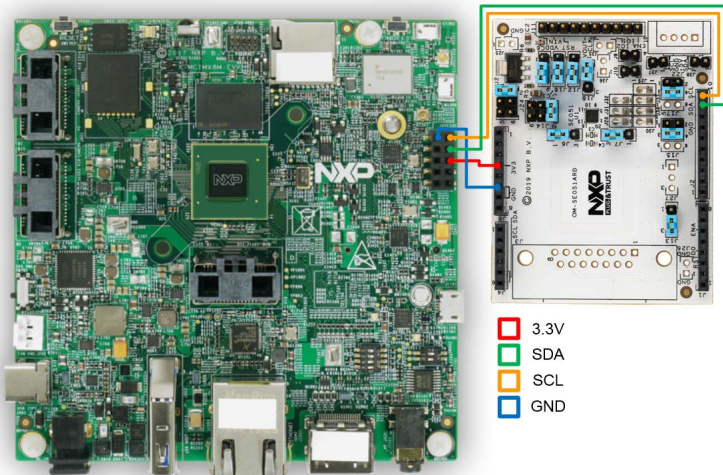Please visit **www.nxp.com/SE051** for documentation and software.

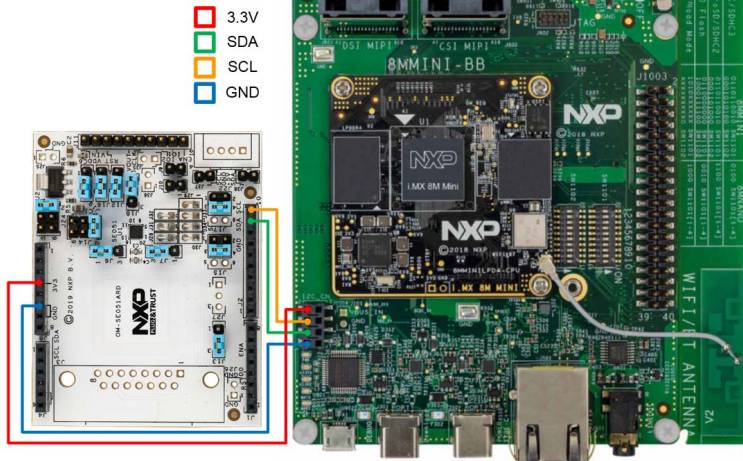| Jumper	Description	Configuration	Default
J6, J7	Antenna	1-2: via DB15 connector 2-3: Internal antenna	J6 1-2, J7 2-3 (no antenna)
J9, J10	I2C Master pull up connection	Open: not connected 1-2: 3k3 Ohm	Open
J12	Reset	1-2 RST on J11:3 2-3 RST on Arduino	2-3
J13	SE051_ENA pin routing	1-2: ENA low, VOUT not connected to VIN 2-3: ENA controlled by Arduino pin J1:6	2-3
J14	SE051_VCC pin routing	1-2: Routed to VDD supply voltage (see J19) 3-4: Routed to SE_Vout pin 5-6: Routed to J11:4 pin	1-2
J15	I2C Slave SDA connection	1-2: Arduino R3 J4:5 3-4: Arduino R3 J2:9	3-4
J16	SE051_Vin supply	1-2: Supplied by J11:2 pin 2-3: Supplied by the VDD (see J19)	2-3
J17	I2C Slave SCL connection	1-2: Arduino R3 J4:6 3-4: Arduino R3 J2:10	3-4
J18	SE051_IO2 routing	1-2: Routed to J11:9 2-3: Routed to J2:3	1-2
J19	VDD supply voltage	1-2: From LDO 2-3: From 3V3_ARD pin	2-3
J24	VDD supply selection for LDO (if LDO is used - see J19)	1-2: From 5V_PC (USBI2C flat connector) 3-4: From 5V_DB15 pin 5-6: From 5V_ARD pin	1-2
J37, J38	I2C Slave bus pull up configuration	Open: 3k3 Ohm (I2C fast mode) 1-2: 660 Ohm (I2C high speed mode)	Open

Connect **OM-SE051ARD** with **i.MX 8M EVK** board

Please also visit **www.nxp.com/SE051** for documentation.

- ◻ 3.3V
- ◻ SDA
- ◻ SCL
- ◻ GND

Connect **OM-SE051ARD** with **i.MX 8M Mini** and **i.MX 8M Nano**

Please also visit **www.nxp.com/SE051** for documentation.

- 🟥 3.3V
- 🟩 SDA
- 🟧 SCL
- 🟦 GND

EdgeLock SE051

Visit **www.nxp.com/SE051** for more information about the SE051 product range.

SUPPORT

Visit **www.nxp.com/support** for a list of phone numbers within your region.

WARRANTY

Visit **www.nxp.com/warranty** for complete warranty information.

Get Started

Download installation software and documentation at **www.nxp.com/SE051**

Reference document: SE051 OM-SE051ARD development kit

PLUG**&TRUST**