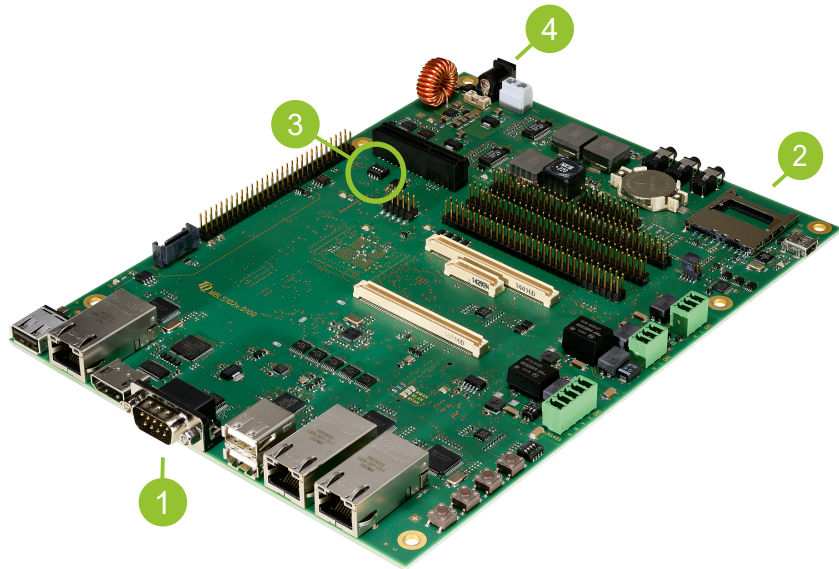


Quick-Start-Guide STKLS102xA

QorIQ® Layerscape



VISIT OUR SUPPORT WIKI
support.tq-group.com



- i Hardware Setup**
- 1 Debug/Serial
 - 2 SD Card
 - 3 DIP Switches
 - 4 Power

CONNECT STARTERKIT TO HOST PC

Connect interface X5 of the STKLS102xA to an RS232 port on the host using the provided RS232 cable. If the host does not provide an RS232 port, a separate USB-to-RS232 adapter and the corresponding driver are required.

Detailed instructions are available on the [STK Quicksteps](#) Wiki page.

RUN TERMINAL EMULATOR AND CONFIGURE SERIAL PORT

After connecting the STKLS102xA, one new serial port is available on the host. This port is the U-Boot / Linux serial debug console.

A terminal emulator is required on the host (Tera Term is recommended). Configure the serial port using the settings from the table on the right.

Baudrate	115200
Data Bits	8
Parity	none
Stop Bits	1
Handshake	XON / XOFF

SUPPLY STARTERKIT WITH POWER

Connect the provided power supply to X34 on the STKLS102xA.

Caution when using a different power supply!

The Starterkit has a wide range input from **18V** to **28V** and is designed to operate with a regulated power supply.

ESTABLISH SERIAL CONNECTION

The bootloader and operating system outputs are displayed in the debug console. Once the boot process is complete, log in to the system using the default user "root" without a password.

Quick-Start-Guide STKLS102xA

QorIQ® Layerscape



BOOT DEVICE SELECTION

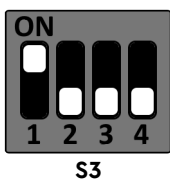
The boot device must be selected with DIP switches **S3** and **S9**.
By default, the STKLS102xA is configured for SD card boot.

SD Card



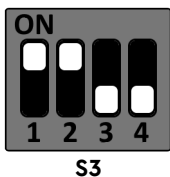
! Do not use SD Card when eMMC is placed on TQMLS102xA!

eMMC

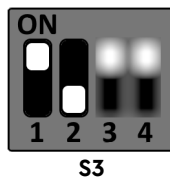


Info: eMMC is a placement option on TQMLS102xA

FlexSPI

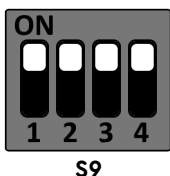


Without eMMC



With eMMC

Default CPLD Configuration



! For latest documentation, BSPs, etc. please visit:
<https://www.tq-group.com/en/products/tq-embedded/qoriq-layerscape/tqmls102xa/>
<https://support.tq-group.com/en/layerscape/tqmls102xa>

Visit our Website:

<https://www.tq-group.com/en/products/tq-embedded>

Visit the Quicksteps page to get started:

https://support.tq-group.com/en/layerscape/tqmls102xa/stk_quicksteps

CREATE A TICKET

Via the TQ-Embedded Helpdesk, you can easily create and manage various types of requests:
<https://support.tq-group.com/helpdesk>



Users of the Starterkit must not dispose the Kit as unsorted municipal waste, but use the collection framework available in their country for the return, recycle, or recovery of WEEE and minimize any potential effects on the environment and human health due to the presence of hazardous substances.
The Starterkit must be recycled, mechanically shredded, or incinerated without the battery.