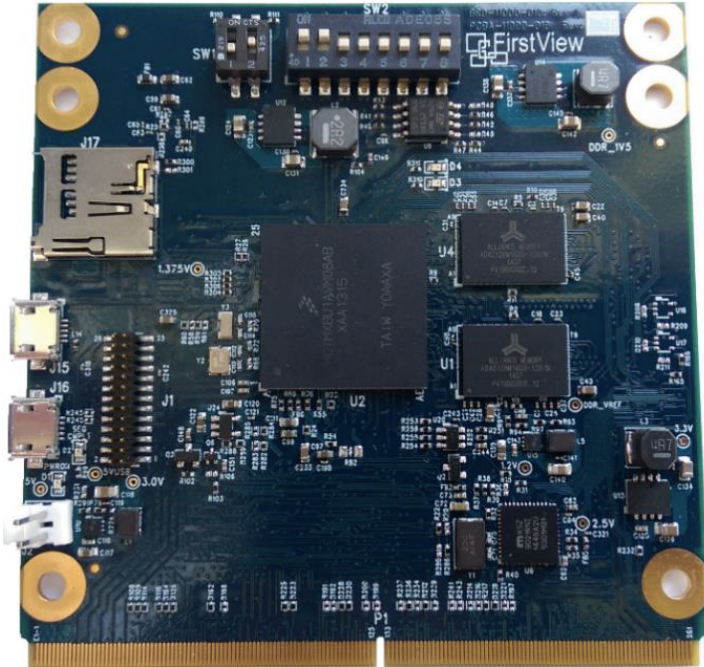


i.MX 6 Series ARM Cortex-A9 System on Module (SOM)



High Level Specifications:

- Freescale i.MX6 Series ARM Cortex-A9 Processor
- Single 4.5V to 12VDC Supply Voltage
- 1GB DDR3 9 (expandable to 4GB)
- SPI NOR, eMMC, MicroSD
- 10/100/1000 Ethernet
- USB 2.0 Host and OTG
- SATA, PCIe, LVDs, Flex, CAN, HDMI, I2C, SPI, CAN, RGB, Audio, UARTs, JTAG
- Edge Connector (MXM)
- 3.35 x 3.35 inches (85 x 85 mm)
- -40 to +85 degrees Celsius operational range
- Android and Linux Compatible

System on Module Carrier Board

The SOM is an embedded single board module designed to be reliable, rugged, and low cost. The board is designed to be paired with a custom carrier board to fit specific applications in a wide range of environments.

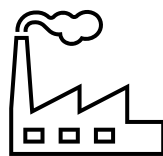
Applications

• Consumer



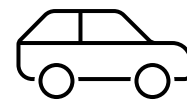
- Automotive Infotainment and other applications
- Outdoor/Indoor digital video signage

• Industrial



- Human Machine Interface (HMI)
- Harsh environments display or processing equipment
- Remote sensing

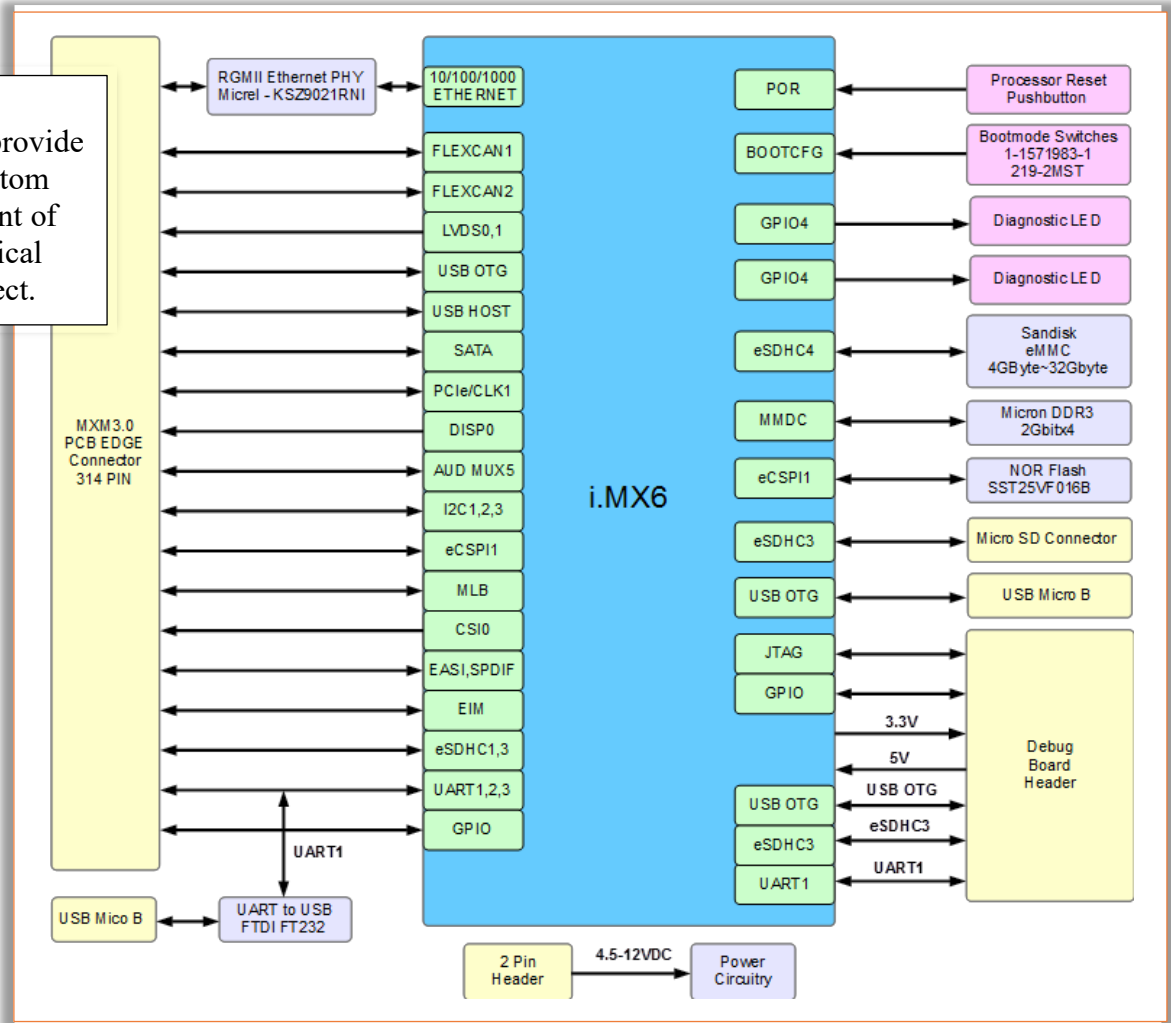
• Automotive



i.MX 6 Series ARM Cortex-A9 System on Module (SOM)

Services:
 FirstView Consultants can provide full software support, custom modifications, development of carrier boards, and technical consulting for your project.

Block Diagram:



Additional Features

- i.MX 6Solo, 6DualLite, 6Dual, 6Quad (800 MHz DualLite default) processor options
- Automotive grade processor and components for harsh high temperature environments
- Multiple boot options: SPI, eMMC, or Micro SD
- Full standalone operation. All needed connections for the operation are on the board. Standalone items to be unpopulated for the production to reduce manufacturing costs
- Debug board interface for the ease of the development
- Keyed edge connector and multiple mechanical mounting holes for secure installation in harsh environments.