Family 3 SCM-i.MX 6SX V-Link (15.5mm x 15.5mm)

Available **ALPHA**

NXP Base SCM

V-Link Signal Bus

Discrete components

LPDDR2 Memory

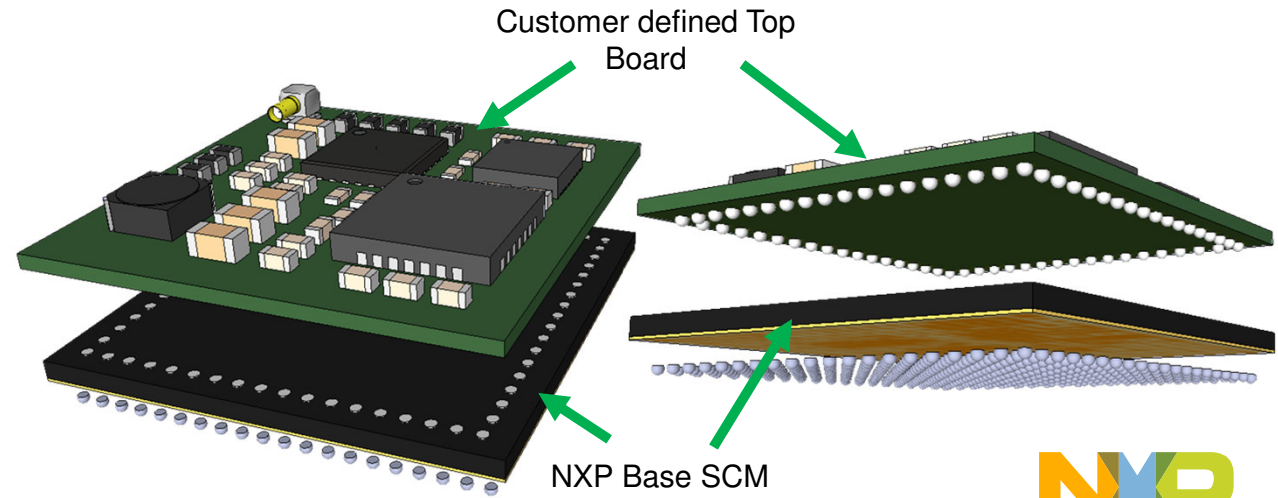i.MX 6SX Apps Processor

PF0100 PMIC

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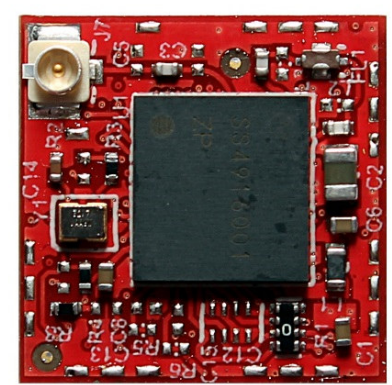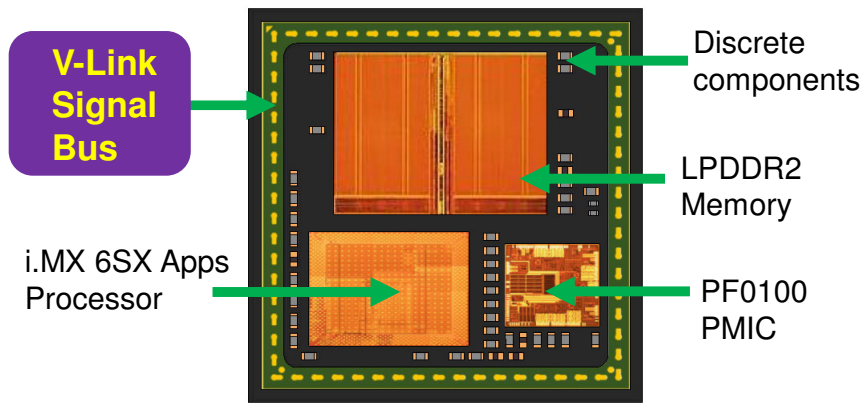
Custom Top Board (PCB or Substrate Based):
- RF, Sensors, Battery mgmt., PHY interface, Audio Codex, etc

0.75mm Ball pitch

BSP released
Enabled for Linux

Customer defined Top Board

NXP Base SCM

* SCM shown with CODE WiFi/BT Top Board

PARTNER DEMOS

UTILIZING SCM-I.MX 6SX V-LINK

BOUNDARY DEVICES

Boundary Devices Introduction

- Headquarters: Chandler, Arizona USA

- Founded in 2003 (Privately Held)

- Our Business: NXP i.MX Family

- Multiple Single Board Computers and System on Modules (SOM) based on the i.MX family of processors

- Full Software Support package including Yocto, Ubuntu, Android 5.0, Buildroot, WinCE 7, and QNX Operating Systems

- NXP Proven Partner


Nitrogen6X_SOM

SABRE Lite BD-SL-i.MX6

SCM Carrier Board + V-Link Top Board

- Adding WiFi+BT to SCM can be done in 2 ways: via Carrier board or Top board

- Carrier board requires horizontal space which many applications do not have.

- Space savings of 280 mm sq

- V-Link Top Board from Boundary Devices – QCA9377 802.11ac + BT4.1 module. Pre-certified and ready for production. Mounts on top of SCM which is ideal for space constrained applications. 22mm x 19mm board dimensions

- Available Linux/Android Drivers for easy WiFi+BT software integration for kernel 3.14.28 and above

- On 5GHz network utilizing SDIO 3.0, WiFi throughput is 90Mb/s
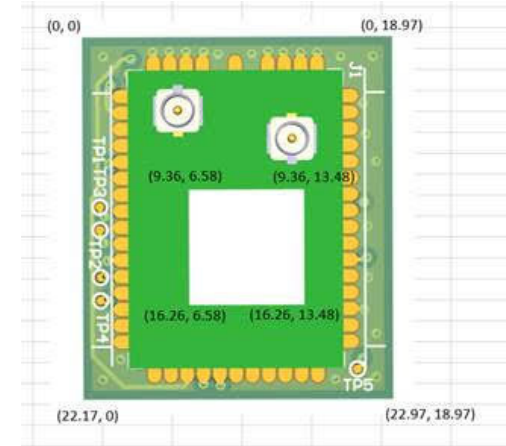
Boundary Devices SCM Demo Application

- V-Link Top board is ideal for handheld/space-constrained applications allowing customers to integrate vertically

- Boundary Devices demo is a handheld, battery powered wireless streaming application. The demo consists of NXP SoloX SCM + BD V-Link Top board with 802.11ac module + BD Carrier board with 5MP MIPI Camera and Battery.

- The demo application wirelessly streams data from the 5MP camera on the handheld device to a desktop board which shows the stream on a 7" display

- There is a point-to-point link from the handheld device to the desktop device

NXP

SECURE CONNECTIONS
FOR A SMARTER WORLD

ATTRIBUTION STATEMENT