

NXP Semiconductors / Freescale



### MCIMX6X1AVK08AB

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX6X1AVK08AB                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU I.MX6SX 800MHZ 400MAPBGA                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3104 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

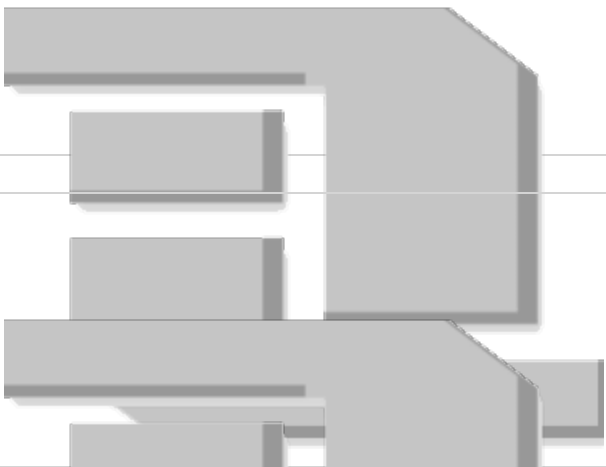
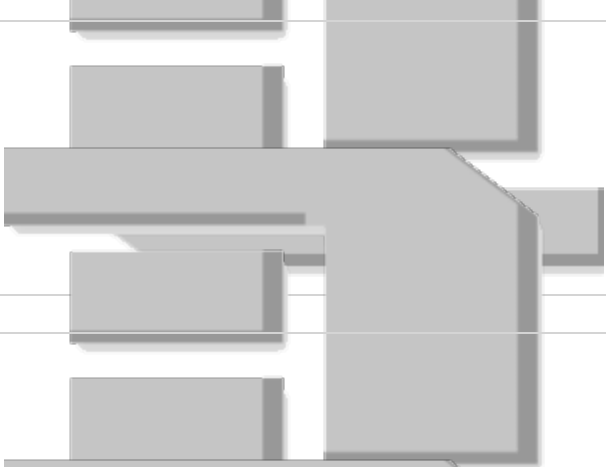
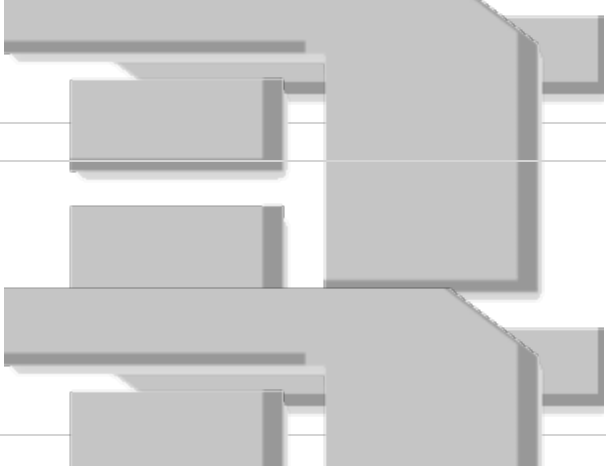
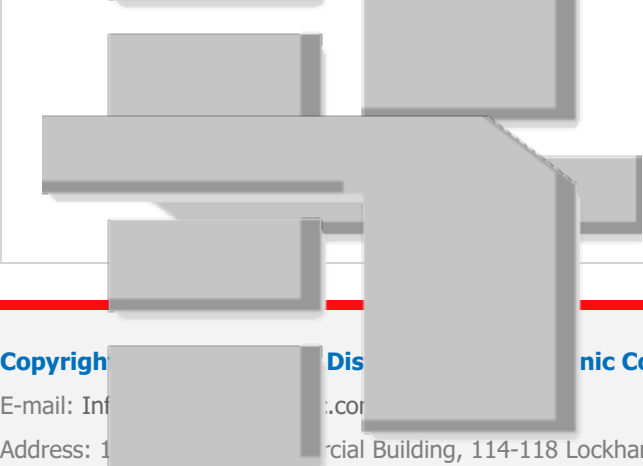
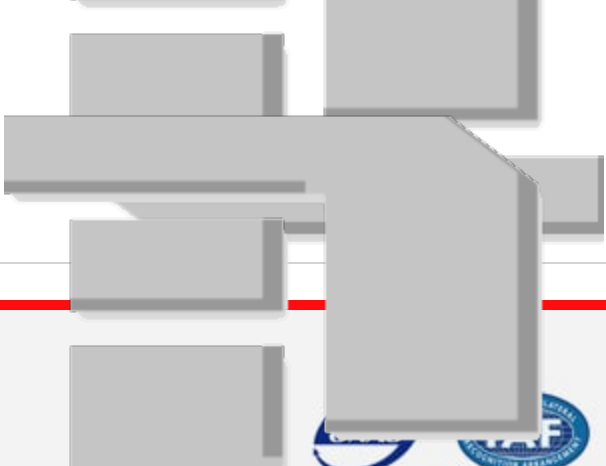
#### Specifications of MCIMX6X1AVK08AB

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6X1AVK08AB                                                                                             |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                              |
| DESCRIPTION                      | IC MPU I.MX6SX 800MHZ 400MAPBGA                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| QUANTITY AVAILABLE               | 3104 pcs                                                                                                    |
| DATA SHEET                       |                                                                                                             |
| VOLTAGE - I/O                    | 1.8V, 2.5V, 2.8V, 3.15V                                                                                     |
| USB                              | USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)                                                                    |
| SUPPLIER DEVICE PACKAGE          | 400-MAPBGA (14x14)                                                                                          |
| SPEED                            | 200MHz, 800MHz                                                                                              |
| SERIES                           | i.MX6SX                                                                                                     |
| SECURITY FEATURES                | A-HAB, ARM TZ, CAAM, CSU, SNVS, System JTAG, TVDECODE                                                       |
| SATA                             | -                                                                                                           |
| RAM CONTROLLERS                  | LPDDR2, LVDDR3, DDR3                                                                                        |
| PACKAGING                        | Tray                                                                                                        |
| PACKAGE / CASE                   | 400-LFBGA                                                                                                   |
| OTHER NAMES                      | 935315934557                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TJ)                                                                                          |
| NUMBER OF CORES/BUS WIDTH        | 2 Core, 32-Bit                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| GRAPHICS ACCELERATION            | No                                                                                                          |
| ETHERNET                         | 10/100/1000 Mbps (2)                                                                                        |
| DISPLAY & INTERFACE CONTROLLERS  | Keypad, LCD                                                                                                 |
| DETAILED DESCRIPTION             | ARM® Cortex®-A9, ARM® Cortex®-M4 Microprocessor IC i.MX6SX 2 Core, 32-Bit 200MHz, 800MHz 400-MAPBGA (14x14) |
| CORE PROCESSOR                   | ARM® Cortex®-A9, ARM® Cortex®-M4                                                                            |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ MPE                                                                                       |
| ADDITIONAL INTERFACES            | AC'97, CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPDIF, SPI, SSI, UART                                               |

#### Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MCIMX6X1AVK08AB               | MCIMX6X1AVK08AB Distributor        | MCIMX6X1AVK08AB Supplier  |
| MCIMX6X1AVK08AB Price         | MCIMX6X1AVK08AB Pictures           | MCIMX6X1AVK08AB Image     |
| MCIMX6X1AVK08AB PDF Datasheet | MCIMX6X1AVK08AB Download Datasheet | MCIMX6X1AVK08AB Datasheet |
| MCIMX6X1AVK08AB Stock         | Buy MCIMX6X1AVK08AB                | Buy MCIMX6X1AVK08AB       |
| MCIMX6X1AVK08AB               | Supplier                           | Distributor               |

#### Related Products

|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>MCIMX6X1AVK08AC</div> <div>Manufacturers: NXP<br/>Description: .MX 6SX ROM PERF ENHAN<br/>In stock: 4313 pcs</div> <div>RFQ</div>                               |  <div>MCIMX6ULL-EVK</div> <div>Manufacturers: NXP<br/>Description: EVAL KIT FOR I.MX6ULL<br/>In stock: 555 pcs</div> <div>RFQ</div>              |
|  <div>MCIMX6X1AVO08ACR</div> <div>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6SX AUTO ROM P ENHAN<br/>In stock: 4877 pcs</div> <div>RFQ</div> |  <div>MCIMX6X1CVK08AB</div> <div>Manufacturers: NXP<br/>Description: IC MPU I.MX6SX 800MHZ 400MAPBGA<br/>In stock: 3207 pcs</div> <div>RFQ</div> |
|  <div>MCIMX6V2CVM08AB</div> <div>Manufacturers: NXP<br/>Description: I.MX6 32BIT MPU 800MHZ 400MAPBGA<br/>In stock: 6598 pcs</div> <div>RFQ</div>                     |  <div>MCIMX6UL-EVK</div> <div>Manufacturers: NXP<br/>Description: CPU/BASE BOARD MCIMX6UL<br/>In stock: 4680 pcs</div> <div>RFQ</div>            |
|  <div>MCIMX6U8DVM10AD</div> <div>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6DL ROM PERF ENHAN<br/>In stock: 2769 pcs</div> <div>RFQ</div>   |  <div>MCIMX6X1CVK08AC</div> <div>Manufacturers: NXP<br/>Description: I.MX 6SX ROM PERF ENHAN<br/>In stock: 3822 pcs</div> <div>RFQ</div>         |
|  <div>MCIMX6X1AVO08AC</div> <div>Manufacturers: NXP<br/>Description: I.MX6SX AUTO ROM P ENHAN<br/>In stock: 3265 pcs</div> <div>RFQ</div>                             |  <div>MCIMX6X1AVO08AB</div> <div>Manufacturers: NXP<br/>Description: IC MPU I.MX6SX 800MHZ 400MAPBGA<br/>In stock: 2931 pcs</div> <div>RFQ</div> |
|  <div>MCIMX6UL-EVKB</div> <div>Manufacturers: NXP<br/>Description: CPU/BASE BOARD MCIMX6UL W/ACC<br/>In stock: 549 pcs</div> <div>RFQ</div>                           |  <div>MCIMX6V7DVN10AB</div> <div>Manufacturers: NXP<br/>Description: I.MX 6 32BIT MPU 1GHZ 432MAPBGA<br/>In stock: 7082 pcs</div> <div>RFQ</div> |

