

NXP Semiconductors / Freescale



MCIMX6X2AVN08AB

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX6X2AVN08AB                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU I.MX6SX 800MHZ 400MAPBGA                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 2841 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

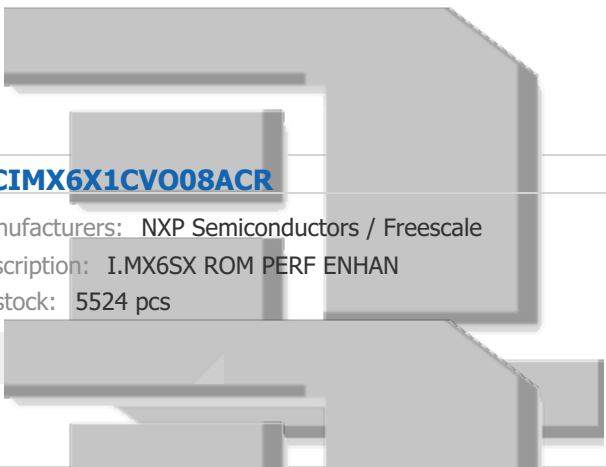
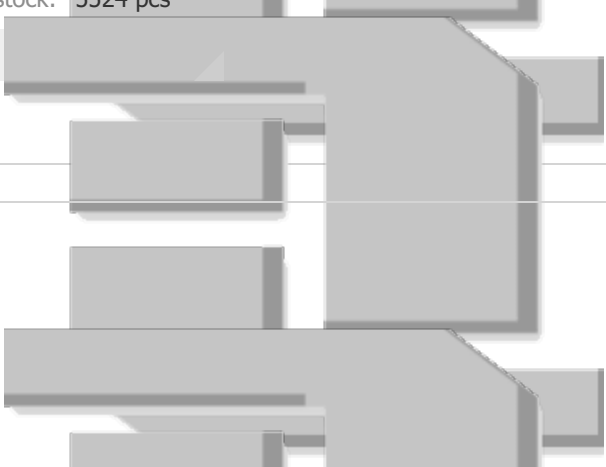
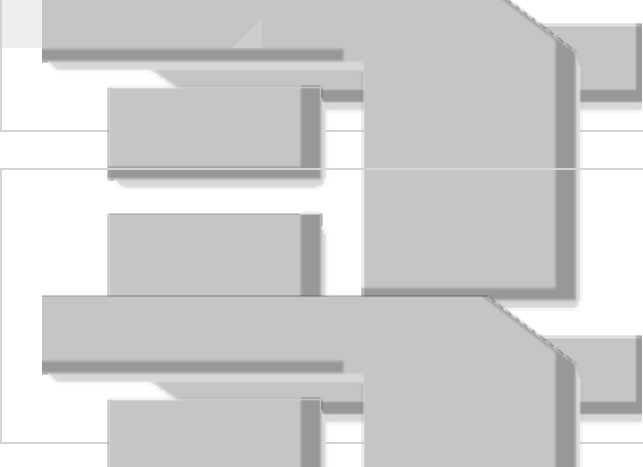
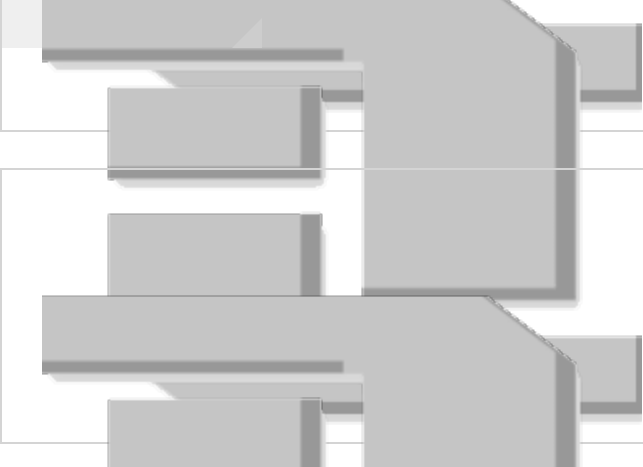
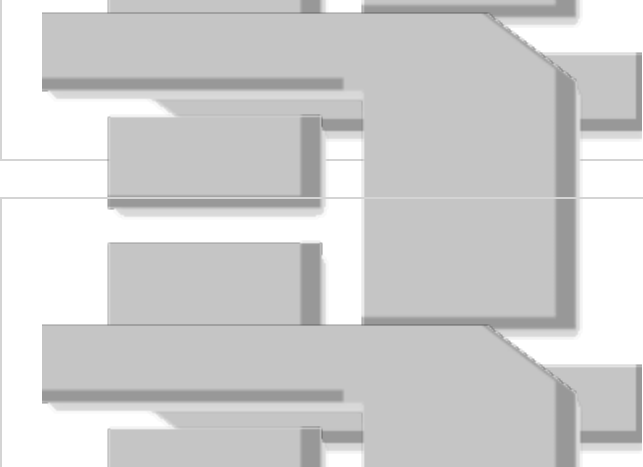
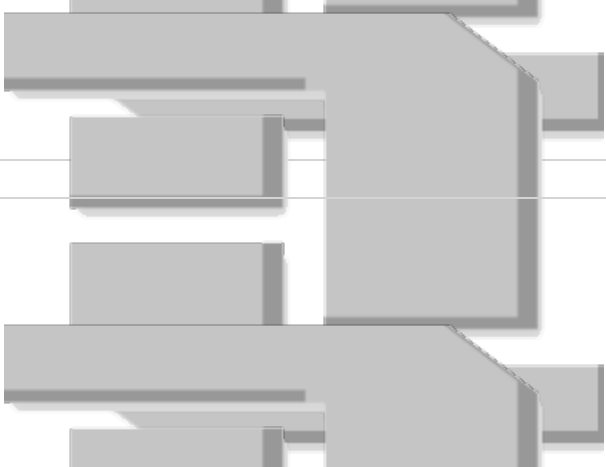
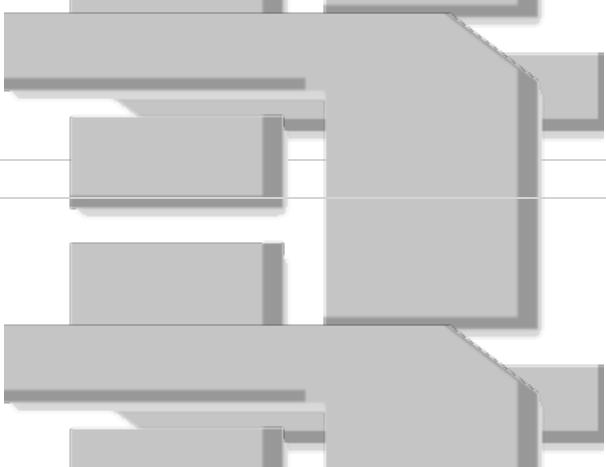
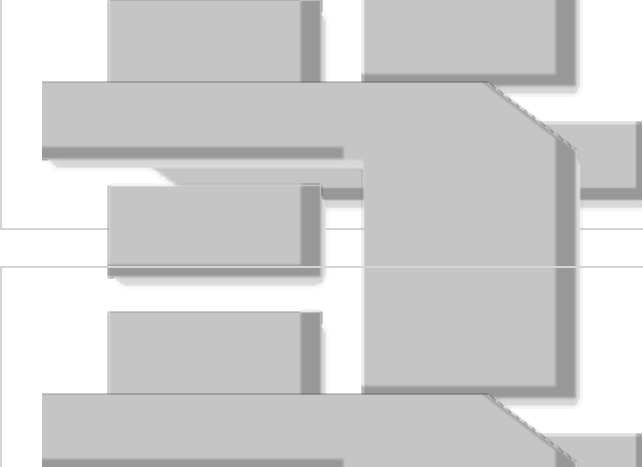
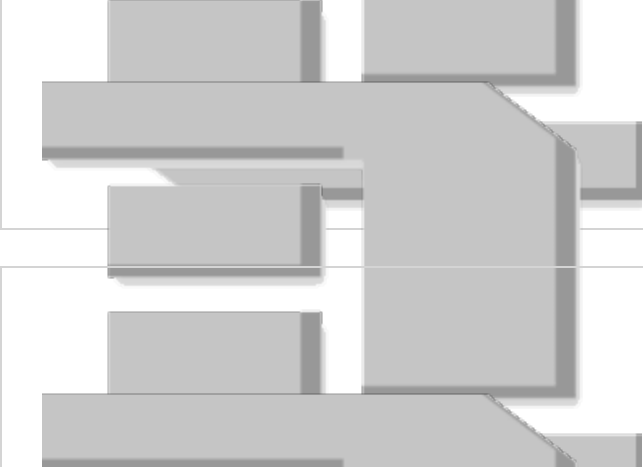
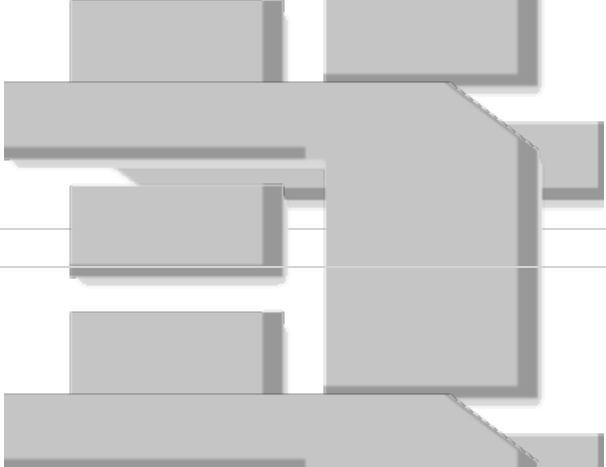
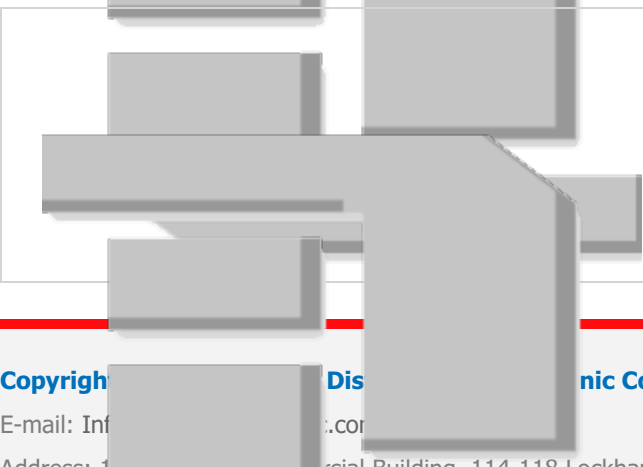
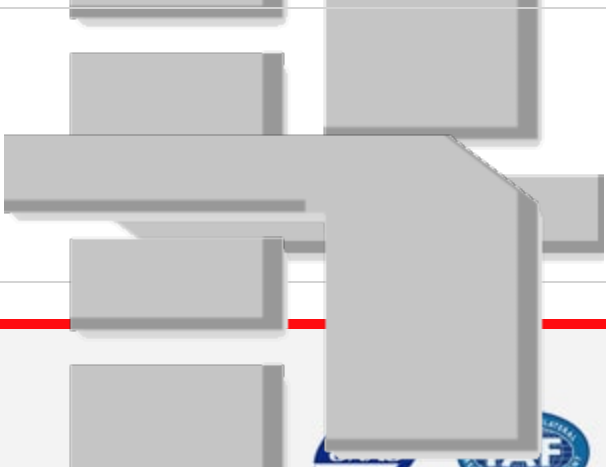
Specifications of MCIMX6X2AVN08AB

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6X2AVN08AB                                                                                             |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                              |
| DESCRIPTION                      | IC MPU I.MX6SX 800MHZ 400MAPBGA                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| QUANTITY AVAILABLE               | 2841 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 (17x17)                                                                                          |
| 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                      | 935315812557                                                                                                |
| 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            | Yes                                                                                                         |
| 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 (17x17) |
| CORE PROCESSOR                   | ARM® Cortex®-A9, ARM® Cortex®-M4                                                                            |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ MPE                                                                                       |
| ADDITIONAL INTERFACES            | AC'97, CAN, I²C, I²S, MMC/SD/SDIO, PCIe, SAI, SPDIF, SPI, SSI, UART                                         |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MCIMX6X2AVN08AB               | MCIMX6X2AVN08AB Distributor        | MCIMX6X2AVN08AB Supplier  |
| MCIMX6X2AVN08AB Price         | MCIMX6X2AVN08AB Pictures           | MCIMX6X2AVN08AB Image     |
| MCIMX6X2AVN08AB PDF Datasheet | MCIMX6X2AVN08AB Download Datasheet | MCIMX6X2AVN08AB Datasheet |
| MCIMX6X2AVN08AB Stock         | Buy MCIMX6X2AVN08AB                | Buy MCIMX6X2AVN08AB       |
| MCIMX6X2AVN08AB               | Supplier                           | Distributor               |

Related Products

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>MCIMX6X1EVK10AB</b><br/>Manufacturers: NXP<br/>Description: IC MPU 32BIT I.MX6 800MHZ 400BGA<br/>In stock: 5200 pcs</p> <p>RFQ</p>                 |  <p><b>MCIMX6X1CVO08ACR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6SX ROM PERF ENHAN<br/>In stock: 5524 pcs</p> |  <p><b>MCIMX6X2AVN08AC</b><br/>Manufacturers: NXP<br/>Description: I.MX 6SX ROM PERF ENHAN<br/>In stock: 3424 pcs</p> <p>RFQ</p>          |
|  <p><b>MCIMX6X2EVN10ABR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6 SERIES 32-BIT MPU ARM CO<br/>In stock: 5702 pcs</p> |  <p><b>MCIMX6X1EVK10AC</b><br/>Manufacturers: NXP<br/>Description: I.MX 6SLX ROM PERF ENHAN<br/>In stock: 4919 pcs</p> <p>RFQ</p>                  |  <p><b>MCIMX6X2CVN08AB</b><br/>Manufacturers: NXP<br/>Description: IC MPU 32BIT I.MX6 800MHZ 400BGA<br/>In stock: 4133 pcs</p> <p>RFQ</p> |
|  <p><b>MCIMX6X1EVO10AB</b><br/>Manufacturers: NXP<br/>Description: IC MPU 32BIT I.MX6 800MHZ 400BGA<br/>In stock: 4184 pcs</p> <p>RFQ</p>                 |  <p><b>MCIMX6X2CVN08AC</b><br/>Manufacturers: NXP<br/>Description: I.MX 6SX ROM PERF ENHAN<br/>In stock: 3858 pcs</p> <p>RFQ</p>                 |  <p><b>MCIMX6X2EVN10AC</b><br/>Manufacturers: NXP<br/>Description: I.MX6SX ROM PERF ENHAN<br/>In stock: 3692 pcs</p> <p>RFQ</p>           |
|  <p><b>MCIMX6X2CVN08AC</b><br/>Manufacturers: NXP<br/>Description: I.MX 6SX ROM PERF ENHAN<br/>In stock: 3858 pcs</p> <p>RFQ</p>                          |  <p><b>MCIMX6X1EVO10AC</b><br/>Manufacturers: NXP<br/>Description: I.MX 6SX ROM PERF ENHAN<br/>In stock: 3588 pcs</p> <p>RFQ</p>                   |  <p><b>MCIMX6X2EVN10AB</b><br/>Manufacturers: NXP<br/>Description: IC MPU 32BIT I.MX6 800MHZ 400BGA<br/>In stock: 3565 pcs</p> <p>RFQ</p> |
|  <p><b>MCIMX6X1EVO10AC</b><br/>Manufacturers: NXP<br/>Description: I.MX 6SX ROM PERF ENHAN<br/>In stock: 3588 pcs</p> <p>RFQ</p>                          |  <p><b>MCIMX6X1CVO08AC</b><br/>Manufacturers: NXP<br/>Description: I.MX6SX ROM PERF ENHAN<br/>In stock: 4047 pcs</p> <p>RFQ</p>                  |                                                                                                                                                                                                                               |

