

NXP Semiconductors / Freescale



MCIMX6DP6AVT8AA

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX6DP6AVT8AA                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU I.MX6DP 852MHZ 624FCBGA                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 1370 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

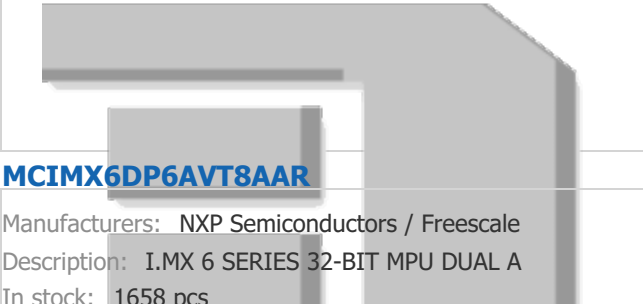
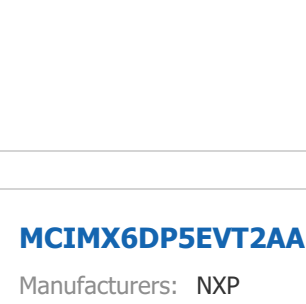
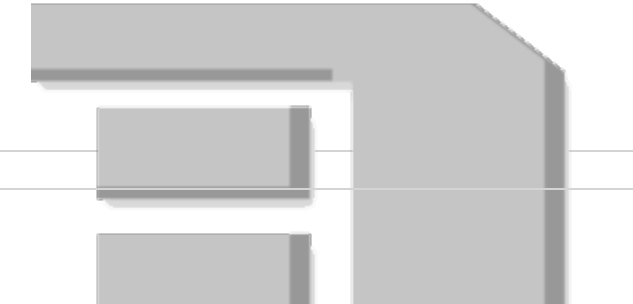
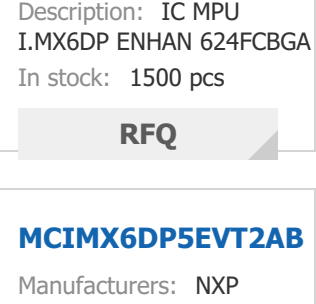
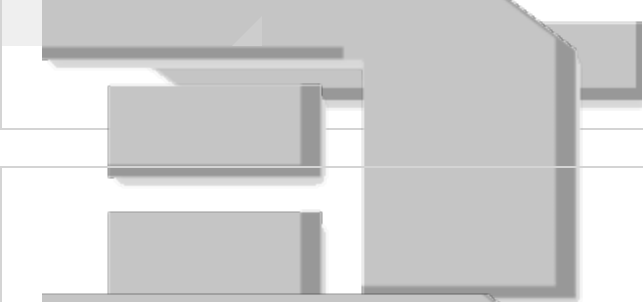
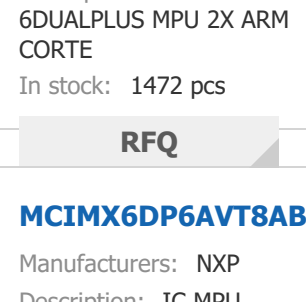
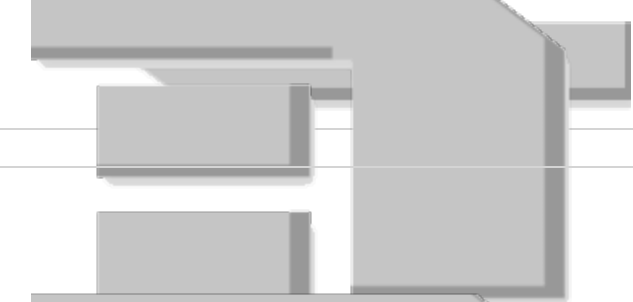
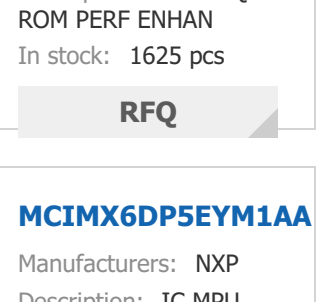
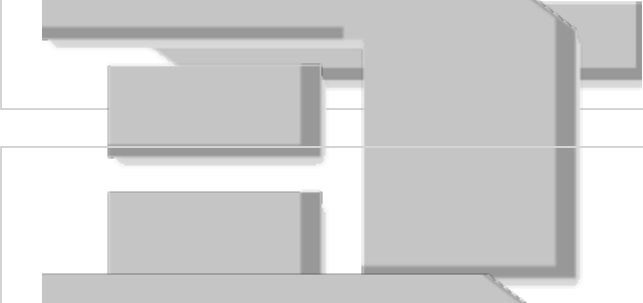
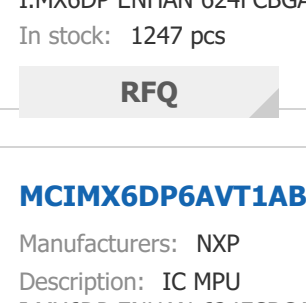
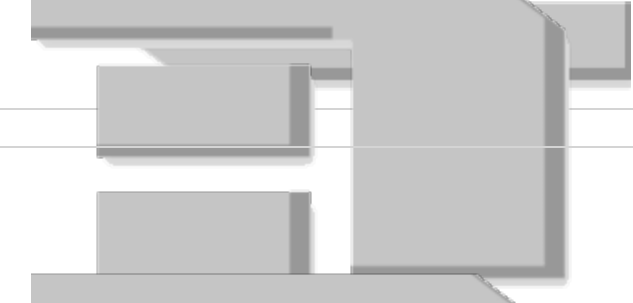
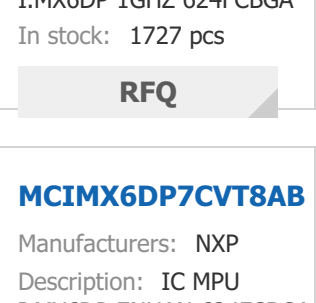
Specifications of MCIMX6DP6AVT8AA

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6DP6AVT8AA                                                                   |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                    |
| DESCRIPTION                      | IC MPU I.MX6DP 852MHZ 624FCBGA                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                        |
| QUANTITY AVAILABLE               | 1370 pcs                                                                          |
| DATA SHEET                       |                                                                                   |
| VOLTAGE - I/O                    | 1.8V, 2.5V, 2.8V, 3.3V                                                            |
| USB                              | USB 2.0 + PHY (3), USB 2.0 OTG + PHY (1)                                          |
| SUPPLIER DEVICE PACKAGE          | 624-FCBGA (21x21)                                                                 |
| SPEED                            | 852MHZ                                                                            |
| SERIES                           | i.MX6DP                                                                           |
| SECURITY FEATURES                | ARM TZ, A-HAB, CAAM, CSU, SJC, SNVS                                               |
| SATA                             | SATA 3Gbps (1)                                                                    |
| RAM CONTROLLERS                  | LPDDR2, DDR3L, DDR3                                                               |
| PACKAGING                        | Tray                                                                              |
| PACKAGE / CASE                   | 624-FBGA, FCBGA                                                                   |
| OTHER NAMES                      | 935312751557                                                                      |
| 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 (1)                                                              |
| DISPLAY & INTERFACE CONTROLLERS  | HDMI, Keypad, LCD, LVDS, MIPI/DSI, Parallel                                       |
| DETAILED DESCRIPTION             | ARM® Cortex®-A9 Microprocessor IC i.MX6DP 2 Core, 32-Bit 852MHZ 624-FCBGA (21x21) |
| CORE PROCESSOR                   | ARM® Cortex®-A9                                                                   |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ SIMD                                                            |
| ADDITIONAL INTERFACES            | CAN, EBI/EMI, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, S/PDIF, UART                  |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MCIMX6DP6AVT8AA               | MCIMX6DP6AVT8AA Distributor        | MCIMX6DP6AVT8AA Supplier  |
| MCIMX6DP6AVT8AA Price         | MCIMX6DP6AVT8AA Pictures           | MCIMX6DP6AVT8AA Image     |
| MCIMX6DP6AVT8AA PDF Datasheet | MCIMX6DP6AVT8AA Download Datasheet | MCIMX6DP6AVT8AA Datasheet |
| MCIMX6DP6AVT8AA Stock         | Buy MCIMX6DP6AVT8AA                | Buy MCIMX6DP6AVT8AA       |
| MCIMX6DP6AVT8AA               | Supplier                           | Distributor               |

Related Products

|                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                     |                                                                                                                                                                                                                   |                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>MCIMX6DP6AVT8AAAR</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6 SERIES 32-BIT MPU DUAL A<br/>In stock: 1658 pcs</p> |  <p><b>MCIMX6DP5EVT2AA</b></p> <p>Manufacturers: NXP<br/>Description: I.MX 6DUALPLUS MPU 2X ARM CORTE<br/>In stock: 1472 pcs</p> |  <p><b>MCIMX6DP5EVT2AB</b></p> <p>Manufacturers: NXP<br/>Description: I.MX 6QP ROM PERF ENHAN<br/>In stock: 1625 pcs</p>      |  <p><b>MCIMX6DP5EYM1AB</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU I.MX6DP ENHAN 624FCBGA<br/>In stock: 1500 pcs</p> |
|  <p><b>MCIMX6DP6AVT8AB</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU I.MX6DP ENHAN 624FCBGA<br/>In stock: 1247 pcs</p>                                |  <p><b>MCIMX6DP6AVT1AB</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU I.MX6DP ENHAN 624FCBGA<br/>In stock: 1075 pcs</p>   |  <p><b>MCIMX6DP5EYM1AA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU I.MX6DP 1GHZ 624FCBGA<br/>In stock: 1727 pcs</p> |  <p><b>MCIMX6DP7CVT8AB</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU I.MX6DP ENHAN 624FCBGA<br/>In stock: 1412 pcs</p> |
|  <p><b>MCIMX6DP6AVT8ABR</b></p> <p>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6DP ENHAN 624FCBGA<br/>In stock: 1603 pcs</p>    |  <p><b>MCIMX6DP7CVT8AA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU I.MX6DP 800MHZ 624FCBGA<br/>In stock: 1491 pcs</p>  |  <p><b>MCIMX6DP6AVT1AA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU I.MX6DP 1GHZ 624FCBGA<br/>In stock: 1133 pcs</p> |  <p><b>MCIMX6G0DVM05AA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU I.MC6UL 528MHZ 289BGA<br/>In stock: 3382 pcs</p>  |

