



NXP Semiconductors / Freescale

### MCIMX6S1AVM08ABR

Part Number:	MCIMX6S1AVM08ABR
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MPU I.MX6S 800MHZ 624MAPBGA
Datasheets:	<a href="#">1.MCIMX6S1AVM08ABR.pdf</a> <a href="#">2.MCIMX6S1AVM08ABR.pdf</a> <a href="#">3.MCIMX6S1AVM08ABR.pdf</a> <a href="#">4.MCIMX6S1AVM08ABR.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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#### Specifications of MCIMX6S1AVM08ABR

PART NUMBER	MCIMX6S1AVM08ABR
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU I.MX6S 800MHZ 624MAPBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.MCIMX6S1AVM08ABR.pdf</a> <a href="#">2.MCIMX6S1AVM08ABR.pdf</a> <a href="#">3.MCIMX6S1AVM08ABR.pdf</a> <a href="#">4.MCIMX6S1AVM08ABR.pdf</a>
VOLTAGE - I/O	1.8V, 2.5V, 2.8V, 3.3V
USB	USB 2.0 + PHY (4)
SUPPLIER DEVICE PACKAGE	624-MAPBGA (21x21)
SPEED	800MHz
SERIES	i.MX6S
SECURITY FEATURES	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection
SATA	-
RAM CONTROLLERS	LPDDR2, LVDDR3, DDR3
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	624-LFBGA
OTHER NAMES	935319989518
OPERATING TEMPERATURE	-40°C ~ 125°C (TJ)
NUMBER OF CORES/BUS WIDTH	1 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	Keypad, LCD
DETAILED DESCRIPTION	ARM® Cortex®-A9 Microprocessor IC i.MX6S 1 Core, 32-Bit 800MHz 624-MAPBGA (21x21)
CORE PROCESSOR	ARM® Cortex®-A9
CO-PROCESSORS/DSP	Multimedia; NEON™ SIMD
BASE PART NUMBER	MCIMX6
ADDITIONAL INTERFACES	CAN, I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD/SDIO, SAI, SPI, SSI, UART

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<p><b>MCIMX6QP6AVT1AB</b>                  Manufacturers: NXP Semiconductors / Freescale                  Description: I.MX 6QP ROM PERF ENHAN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>MCIMX6QP6AVT8AB</b>                  Manufacturers: NXP Semiconductors / Freescale                  Description: I.MX 6QP ROM PERF ENHAN                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>MCIMX6S1AVM10AC</b>                  Manufacturers: NXP Semiconductors / Freescale                  Description: I.MX 6 SERIES 32-BIT MPU ARM CO                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>MCIMX6QP7CVT8AA</b>                  Manufacturers: NXP Semiconductors / Freescale                  Description: IC MPU I.MX6QP 800MHZ 624FCBGA                  In stock: 510 pcs  <a href="#">RFQ</a></p>
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<p><b>MCIMX6S1AVM08AD</b>                  Manufacturers: NXP Semiconductors / Freescale                  Description: I.MX6 SOLO MAPBGA 800 MHZ                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>MCIMX6QP7CVT8AB</b>                  Manufacturers: NXP Semiconductors / Freescale                  Description: IC MPU I.MX6QP ENHAN 624FCBGA                  In stock: 59 pcs  <a href="#">RFQ</a></p>

