




NXP Semiconductors / Freescale

## MPC8379ECVRANG

Part Number:	MPC8379ECVRANG
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MPU MPC83XX 800MHZ 689TEBGA <a href="#">PDF</a> 1.MPC8379ECVRANG.pdf <a href="#">PDF</a> 2.MPC8379ECVRANG.pdf <a href="#">PDF</a> 3.MPC8379ECVRANG.pdf <a href="#">PDF</a> 4.MPC8379ECVRANG.pdf <a href="#">PDF</a> 5.MPC8379ECVRANG.pdf <a href="#">PDF</a> 6.MPC8379ECVRANG.pdf
Datasheets:	
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

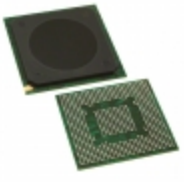

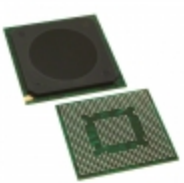
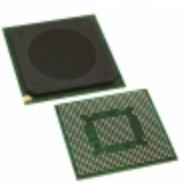
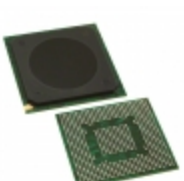
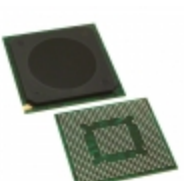
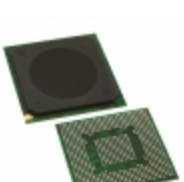

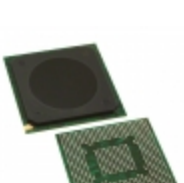
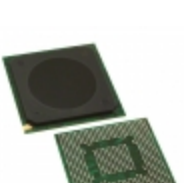
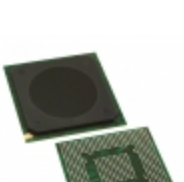
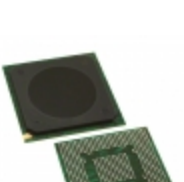
### Specifications of MPC8379ECVRANG

PART NUMBER	MPC8379ECVRANG
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU MPC83XX 800MHZ 689TEBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">PDF</a> 1.MPC8379ECVRANG.pdf <a href="#">PDF</a> 2.MPC8379ECVRANG.pdf <a href="#">PDF</a> 3.MPC8379ECVRANG.pdf <a href="#">PDF</a> 4.MPC8379ECVRANG.pdf <a href="#">PDF</a> 5.MPC8379ECVRANG.pdf <a href="#">PDF</a> 6.MPC8379ECVRANG.pdf
VOLTAGE - I/O	1.8V, 2.5V, 3.3V
USB	USB 2.0 + PHY (1)
SUPPLIER DEVICE PACKAGE	689-TEPGA II (31x31)
SPEED	800MHz
SERIES	MPC83xx
SECURITY FEATURES	Cryptography, Random Number Generator
SATA	SATA 3Gbps (4)
RAM CONTROLLERS	DDR, DDR2
PACKAGING	Tray
PACKAGE / CASE	689-BBGA Exposed Pad
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
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	No
ETHERNET	10/100/1000 Mbps (2)
DISPLAY & INTERFACE CONTROLLERS	-
DETAILED DESCRIPTION	PowerPC e300c4s Microprocessor IC MPC83xx 1 Core, 32-Bit 800MHz 689-TEPGA II (31x31)
CORE PROCESSOR	PowerPC e300c4s
CO-PROCESSORS/DSP	Security; SEC 3.0
BASE PART NUMBER	MPC8379
ADDITIONAL INTERFACES	DUART, I <sup>2</sup> C, MMC/SD, PCI, SPI

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