



NXP Semiconductors / Freescale

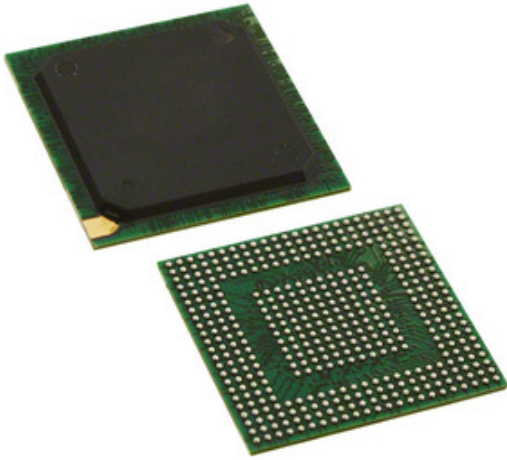


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P1010NSE5HFA

Part Number:	P1010NSE5HFA
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description	IC MPU Q OR IQ 1.0GHZ 425TEBGA
Datasheets:	1.P1010NSE5HFA.pdf 2.P1010NSE5HFA.pdf 3.P1010NSE5HFA.pdf 4.P1010NSE5HFA.pdf 5.P1010NSE5HFA.pdf 6.P1010NSE5HFA.pdf 7.P1010NSE5HFA.pdf 8.P1010NSE5HFA.pdf
RoHs Status	 Lead free / RoHS Compliant
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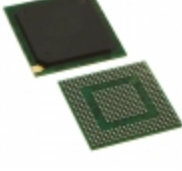
Specifications of P1010NSE5HFA

PART NUMBER	P1010NSE5HFA
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU Q OR IQ 1.0GHZ 425TEBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.P1010NSE5HFA.pdf 2.P1010NSE5HFA.pdf 3.P1010NSE5HFA.pdf 4.P1010NSE5HFA.pdf 5.P1010NSE5HFA.pdf 6.P1010NSE5HFA.pdf 7.P1010NSE5HFA.pdf 8.P1010NSE5HFA.pdf
VOLTAGE - I/O	-
USB	USB 2.0 + PHY (1)
SUPPLIER DEVICE PACKAGE	425-TEPBGA I (19x19)
SPEED	1.0GHz
SERIES	QorIQ P1
SECURITY FEATURES	Boot Security, Cryptography, Random Number Generator, Secure Fusebox
SATA	SATA 3Gbps (2)
RAM CONTROLLERS	DDR3, DDR3L
PACKAGING	Tray
PACKAGE / CASE	425-FBGA
OTHER NAMES	935325502557
OPERATING TEMPERATURE	0°C ~ 105°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 (3)
DISPLAY & INTERFACE CONTROLLERS	-
DETAILED DESCRIPTION	PowerPC e500v2 Microprocessor IC QorIQ P1 1 Core, 32-Bit 1.0GHz 425-TEPBGA I (19x19)
CORE PROCESSOR	PowerPC e500v2
CO-PROCESSORS/DSP	Security; SEC 4.4
BASE PART NUMBER	P1010
ADDITIONAL INTERFACES	CAN, DUART, I ² C, MMC/SD, SPI

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