

P4080: QorIQ P4080/P4040/P4081 Communications Processors with Data Path ☆

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Part Number	Datasheet	Order	Status	Budgetary Price (excl. tax/US\$)	Package Type and Termination Count	Replacement Part	Temp and Reel	Cores: Number of Cores (Spst)	Core Type	Core Operating Frequency (Max) (MHz)	Bus Frequency (Max) (MHz)	Cache (KB)	L2 Cache (Max) (KB)	External Memory Supported	Serial Interface Number of Interfaces	Serial Interface Type	Ethernet	USB	External Bus Interface	Ambient Operating Temperature (Min-Max) (°C)	Junction Operating Temperature (Max) (°C)	I/O Pins	More
P4040NSE7MMC	Distributor	Distributor	Available	1000 @ US\$213.27 each	FCBGA 1295	-	N	4	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4040NSE7PNC	Distributor	Distributor	Available	-	FCBGA 1295	View Feedback	N	4	e500	1500	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4040NSN7MMC	Distributor	Distributor	Available	1000 @ US\$206.88 each	FCBGA 1295	-	N	4	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4040NSN7PNC	Distributor	Distributor	Available	1000 @ US\$315.42 each	FCBGA 1295	-	N	4	e500	1500	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4040NSE7MMC	Distributor	Buy Direct	Available	1000 @ US\$315.42 each	FCBGA 1295	-	N	4	e500	1500	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4040NSE7MMC	Distributor	Buy Direct	Available	1000 @ US\$284.24 each	FCBGA 1295	-	N	4	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 105	105	32	More
P4040NSE7MMC	Distributor	Buy Direct	Available	1000 @ US\$248.24 each	FCBGA 1295	-	N	4	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 105	105	32	More
P4080NSE7MMC	Distributor	Distributor	Available	1000 @ US\$284.36 each	FCBGA 1295	-	N	8	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4080NSE7PNC	Distributor	Distributor	Available	1000 @ US\$433.56 each	FCBGA 1295	-	N	8	e500	1500	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4080NSE7PNC	Distributor	Buy Direct	Available	1000 @ US\$433.56 each	FCBGA 1295	-	N	8	e500	1500	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4080NSN7MMC	Distributor	Distributor	Available	1000 @ US\$275.83 each	FCBGA 1295	-	N	8	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4080NSN7PNC	Distributor	Distributor	Available	1000 @ US\$420.56 each	FCBGA 1295	-	N	8	e500	1500	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4080NSN7PNC	Distributor	Buy Direct	Available	1000 @ US\$420.56 each	FCBGA 1295	-	N	8	e500	1500	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 105	105	32	More
P4080NSE7MMC	Distributor	Distributor	Available	1000 @ US\$341.24 each	FCBGA 1295	-	N	8	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 105	105	32	More
P4080NSE7PNC	Distributor	Buy Direct	Available	1000 @ US\$498.60 each	FCBGA 1295	-	N	8	e500	1500	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 105	105	32	More
P4080NSN7MMC	Distributor	Buy Direct	Available	1000 @ US\$330.99 each	FCBGA 1295	-	N	8	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 105	105	32	More
P4081NSE7KNC	Distributor	Distributor	Available	1000 @ US\$119.96 each	FCBGA 1295	-	N	8	e500	1000	500	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4081NSE7MMC	Distributor	Buy Direct	Available	1000 @ US\$159.96 each	FCBGA 1295	-	N	8	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4081NSN7KNC	Distributor	Distributor	Available	1000 @ US\$109.17 each	FCBGA 1295	-	N	8	e500	1000	500	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4081NSN7MMC	Distributor	Distributor	Available	1000 @ US\$145.83 each	FCBGA 1295	-	N	8	e500	1200	600	32	128	DDR2 DDR3 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4040NSE1MMB	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$224.49 each	FCBGA 1295	View Replacement	N	4	e500	1200	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4040NSE1PNC	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$242.29 each	FCBGA 1295	-	N	4	e500	1500	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4040NSN1MMB	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$217.77 each	FCBGA 1295	View Replacement	N	4	e500	1200	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4040NSN1PNC	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$281.32 each	FCBGA 1295	View Replacement	N	4	e500	1333	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4040NSN1PNC	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$332.02 each	FCBGA 1295	View Replacement	N	4	e500	1500	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4040NSE1MMB	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$269.39 each	FCBGA 1295	View Replacement	N	4	e500	1200	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 125	105	32	More
P4040NSE1MMB	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$281.32 each	FCBGA 1295	View Replacement	N	4	e500	1200	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 125	105	32	More
P4080NSE1MMB	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$359.20 each	FCBGA 1295	View Replacement	N	8	e500	1200	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4080NSE1PNC	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$456.38 each	FCBGA 1295	View Replacement	N	8	e500	1500	600	32	128	DDR3 SDRAM DDR2	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 70	105	32	More
P4080NSN1MMB	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$290.34 each	FCBGA 1295	View Replacement	N	8	e500	1200	600	32	128	DDR3 SDRAM DDR2	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 70	105	32	More
P4080NSN1PNC	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$348.42 each	FCBGA 1295	View Replacement	N	8	e500	1333	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4080NSN1PNC	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$442.70 each	FCBGA 1295	View Replacement	N	8	e500	1500	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	0 to 125	105	32	More
P4080NSE1MMB	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$359.20 each	FCBGA 1295	View Replacement	N	8	e500	1200	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 125	105	32	More
P4080NSE1MMB	Distributor	Distributor	Not Recommended for New Design	1000 @ US\$348.41 each	FCBGA 1295	View Replacement	N	8	e500	1200	600	32	128	DDR3 DDR2 SDRAM	8 2 1 4 2 2 3	SGMII USB SPI I2C UART Ethernet	1GBaseT	USB 2.0	RapidIO-Serial	-40 to 125	105	32	More

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