

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

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Part Number	Datasheet Part Data	Order	Status	Budgetary Price (excl. tax/US\$) Change Currency	Package Type and Termination Count	Replacement Part	Lead and Reel	Cores: Number of Cores (Spst)	Cores: Core Type	Cores: Core Operating Frequency (Max) (MHz)	Bus Frequency (Max) (MHz)	Caches (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	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	
P4040NSE7PNC		Distributor	Available	-	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	
P4040NSN7MMC		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	
P4040NSN7PNC		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	
P4040NSN7MMC		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	
P4040NSN7PNC		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	
P4040NXE7MMC		Distributor	Available	1000 @ US\$255.92 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	
P4040NXE7PNC		Distributor	Available	1000 @ US\$433.56 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	
P4080NSE7MMC		Distributor	Available	1000 @ US\$284.24 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	0 to 105	105	32	
P4080NSE7PNC		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	
P4080NSN7MMC		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	
P4080NSN7PNC		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	
P4080NXE7MMC		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	
P4080NXE7PNC		Distributor	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	
P4080NXN7MMC		Distributor	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	
P4081NSE7KNC		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	
P4081NSE7MMC		Distributor	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	
P4081NSN7KNC		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	
P4081NSN7MMC		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	
P4040NSE1MMB		Distributor	Not Recommended for New Design	1000 @ US\$224.48 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	
P4040NSE1PNB		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	
P4040NSN1MMB		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	
P4040NSN1PNB		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	
P4040NSN1PNB		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	
P4040NXE1MMB		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	
P4040NXN1MMB		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	
P4080NSE1MMB		Distributor	Not Recommended for New Design	1000 @ US\$289.39 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	
P4080NSE1PNB		Distributor	Not Recommended for New Design	1000 @ US\$359.19 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	
P4080NSE1PNB		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	
P4080NSN1MMB		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	
P4080NSN1PNB		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	
P4080NSN1PNB		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	
P4080NXE1MMB		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	
P4080NXN1MMB		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	

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