

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\$)	Package Type and Termination Count	Replacement Part	Lead and Reel	Cores: Number of Cores (Spst)	Core Type	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Available	-	FCBGA 1295	<a href="#">View Feedback</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	
P4040NSE7MMC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Available	1000 @ US\$215.42 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	
P4040NSE7PNC	<a href="#">Distributor</a>	<a href="#">Buy Direct</a>	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	
P4040NKE7MMC	<a href="#">Distributor</a>	<a href="#">Buy Direct</a>	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	
P4040N0N7MMC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	
P4080NSE7MMC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	
P4080NSE7PNC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	
P4080NSE7PNC	<a href="#">Distributor</a>	<a href="#">Buy Direct</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	<a href="#">Distributor</a>	<a href="#">Buy Direct</a>	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	
P4080NSN7PNC	<a href="#">Distributor</a>	<a href="#">Buy Direct</a>	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	
P4080NKE7MMC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	
P4080NKE7PNC	<a href="#">Distributor</a>	<a href="#">Buy Direct</a>	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	
P4080N0N7MMC	<a href="#">Distributor</a>	<a href="#">Buy Direct</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	<a href="#">Distributor</a>	<a href="#">Buy Direct</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$224.48 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4040NSE1PNC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$217.77 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4040NSN1PNC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$281.32 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4040NSN1PNC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$332.02 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4040NKE1MMB	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$269.39 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4040N0N1MMB	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$281.32 each	FCBGA 1295	<a href="#">View Replacement</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$289.33 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4080NSE1PNC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$359.19 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4080NSE1PNC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$456.38 each	FCBGA 1295	<a href="#">View Replacement</a>	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	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$290.34 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4080NSN1PNC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$348.42 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4080NSN1PNC	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$442.70 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4080NKE1MMB	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$359.20 each	FCBGA 1295	<a href="#">View Replacement</a>	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	
P4080N0N1MMB	<a href="#">Distributor</a>	<a href="#">Distributor</a>	Not Recommended for New Design	1000 @ US\$348.41 each	FCBGA 1295	<a href="#">View Replacement</a>	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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