PowerQUICC, QorIQ and QorIQ Qonverge Processors

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Processor Selector Guide

PowerQUICC I

Part Number	Ethernet	E1/T1	UTOPIA	Multi-Channel HDLC	HW Encryption	Package
MPC870	2 x 10/100 Mb/s	–	–	–	–	256-pin PBGA
MPC875	1 x 10, 2 x 10/100 Mb/s	1	–	32	Y	256-pin PBGA
MPC880	2 x 10, 2 x 10/100 Mb/s	2	Y	64	–	357-pin PBGA
MPC885	3 x 10, 2 x 10/100 Mb/s	2	Y	64	Y	357-pin PBGA

Constant Features
- Speed: 66–133 MHz
- I/D cache memory: 8/8 KB
- Memory: DRAM
- SPI: 1
- I^2C: 1
- GPIO: 18
- USB: Full/Low speed
- Typical power: 0.31 W

Note: For information on the MPC85x and MPC86x, visit **freescale.com**.

PowerQUICC II

Part Number	Speed (MHz)	Ethernet	E1/T1	E3/T3	UTOPIA	Multi-Channel HDLC	GPIO	Local Bus	USB	HW Encryption	Package
MPC8241	166–266	–	–	–	–	–	–	–	–	–	357-pin PBGA
MPC8245	266–400	–	–	–	–	–	–	–	–	–	352-pin TBGA
MPC8247	266–400	3 x 10, 2 x 10/100 Mb/s	2	–	–	64	82	–	2.0 Full/Low	–	516-pin PBGA
MPC8248	266–400	3 x 10, 2 x 10/100 Mb/s	2	–	–	64	82	–	2.0 Full/Low	Y	516-pin PBGA
MPC8270	266–450	4 x 10, 3 x 10/100 Mb/s	4	1	–	128	120	Y	2.0 Full/Low	–	516-pin PBGA/ 480-pin TBGA
MPC8271	266–400	3 x 10, 2 x 10/100 Mb/s	2	–	1	64	82	–	2.0 Full/Low	–	516-pin PBGA
MPC8272	266–400	3 x 10, 2 x 10/100 Mb/s	2	–	1	64	82	–	2.0 Full/Low	Y	516-pin PBGA
MPC8275	266	4 x 10, 3 x 10/100 Mb/s	4	1	2	128	120	Y	2.0 Full/Low	–	516-pin PBGA
MPC8280	333–450	4 x 10, 3 x 10/100 Mb/s	8	2	2	256	120	Y	2.0 Full/Low	–	480-pin TBGA

Constant Features
- I/D cache memory: 16/16 KB
- Floating point unit: Double precision
- SPI: 1 (except MPC8241 and MPC8245)
- I^2C: 1 (except MPC8241 and MPC8245)
- PCI: 32-bit
- Memory: SDRAM
- Typical power: 0.8–1.7 W

PowerQUICC II Pro

Part Number	Typical Power	Speed (MHz)	10/100/1000 Ethernet	10/100 Ethernet	E1/T1	E3/T3	UTOPIA	HDLC	GPIO	PCI	USB	DDR1/2 Memory	Other	Package
MPC8306	1.15 W	133–333	–	3	2	–	–	128	56	–	2.0	16-bit DDR2	4 x CAN, TDM, eSDHC	369-pin MAPBGA
MPC8306S	1.15 W	133–333	–	3	2	–	–	128	56	–	2.0	16-bit DDR2	TDM	369-pin MAPBGA
MPC8309	1.56 W	266–417	–	3	2	–	–	128	64	1 x 32-bit	2.0	16/32-bit DDR2	4 x CAN, TDM, eSDHC, USB 2.0	489-pin MAPBGA
MPC8308	1.23 W	266–400	2	–	–	–	–	–	24	–	2.0	16/32-bit DDR2	1 x PCI Express, eSDHC, USB 2.0	473-pin MAPBGA
MPC8313	0.82 W	266–400	2	–	–	–	–	–	32	1 x 32-bit	2.0	16/32-bit	-	516-pin PBGA
MPC8314	1.11 W	266–400	2	–	–	–	–	–	32	1 x 32-bit	2.0	16/32-bit	2 x PCI Express, TDM	620-pin PBGA
MPC8315	1.11 W	266–400	2	–	–	–	–	–	32	1 x 32-bit	2.0	16/32-bit	2 x SATA, 2 x PCI Express, TDM	620-pin PBGA
MPC8321/23	1 W	266–333	–	3	4	4	1	64	128	1 x 32-bit	2.0 Full/Low	32-bit	TDM	516-pin PGBA
MPC8343	2.0 W	266–400	2	–	–	–	–	–	39	1 x 32-bit	2.0	32-bit	–	620-pin PBGA
MPC8347	2.0 W	266–667	2	–	–	–	–	–	52	1 x 32-bit	2.0	32/64-bit	–	620-pin PBGA, 672-pin TBGA
MPC8349	2.0 W	400–667	2	–	–	–	–	–	64	1 x 64-bit or 2 x 32-bit	2 x 2.0	32/64-bit	–	672-pin TBGA
MPC8358	3.0 W	266–400	2	6	8	2	1	128	212	1 x 32-bit	2.0 Full/Low	1 x 64-bit or 2 x 32-bit	TDM	740-pin TBGA, 668-pin PBGA
MPC8360	5.0 W	400–667	2	8	4	1	2	256	212	1 x 32-bit	2.0 Full/Low	1 x 64-bit or 2 x 32-bit	TDM	740-pin TBGA
MPC8377	4.0 W	400–800	2	–	–	–	–	–	52	1 x 32-bit	2 x 2.0	32/64-bit	2 x SATA, 2 x PCI Express	689-pin PBGA
MPC8378	4.0 W	400–800	2	–	–	–	–	–	52	1 x 32-bit	2.0	32/64-bit	2 x PCI Express	689-pin PBGA
MPC8379	4.0 W	400–800	2	–	–	–	–	–	52	1 x 32-bit	2.0	32/64-bit	4 x SATA	689-pin PBGA

Constant Features
- I/D cache memory: 16/16 KB on MPC830x, MPC831x and MPC832x. 32/32 KB on all others
- Floating point unit: Double precision (No FPU in MPC8323/21)
- SPI: 1 on all except MPC832x and MPC8358/60 which have 2
- I^2C: 2 on all except MPC8314, MPC8315 and MPC832x which have 1
- DUART: 1 on all except MPC8306, MPC8306/S and MPC8309 which have 2
- Local bus: Y
- Hardware encryption: E version on all except MPC8308, MPC8306, MPC8306/S and MPC8309

PowerQUICC III

Part Number	Speed (MHz)	Typical Power	L2 Cache	10/100/1000 Ethernet	10/100 Ethernet	E1/T1	E3/T3	UTOPIA	HDLC	GPIO	High-Speed Interfaces	USB	Memory
MPC8533	667–1067	2.6 W	256 KB	2	–	–	–	–	–	16	1 x PCI, 3 x PCIe	–	DDR1/2
MPC8535	600–1250	3.0 W	512 KB	2	–	–	–	–	–	16	1 x PCI, 2 x PCIe, 1 x SATA	2 x 2.0 Full/Low	DDR2/3
MPC8536	600–1500	3.0 W	512 KB	2	–	–	–	–	–	16	1 x PCI, 3 x PCIe, 2 x SATA	3 x 2.0 Full/Low	DDR2/3
MPC8540	667–1000	4.8 W	256 KB	2	3	–	–	–	–	–	1 x PCI/PCI-X, 1 x pRIO	–	DDR1
MPC8541	533–1000	4.4 W	256 KB	2	2	–	–	2	–	32	2 x PCI	–	DDR1
MPC8543	800–1000	6.1 W	256 KB	2	–	–	–	–	–	–	1 x PCI, 1 x PCIe, 1 x sRIO	–	DDR1/2
MPC8544	667–1067	2.6 W	256 KB	2	–	–	–	–	–	16	1 x PCI, 3 x PCIe	–	DDR1/2
MPC8545	800–1200	6.1 W	512 KB	2	–	–	–	–	–	–	2 x PCI, 1 x PCIe	–	DDR1/2
MPC8547	1000–1333	6.5 W	512 KB	4	–	–	–	–	–	–	1 x PCI/PCI-X, 1 x PCIe	–	DDR1/2
MPC8548	1000–1500	6.5 W	512 KB	4	–	–	–	–	–	–	2 x PCI/PCI-X, 1 x PCIe, 1 x sRIO	–	DDR1/2
MPC8555	667–1000	4.9 W	256 KB	2	2	2	–	2	64	32	2 x PCI	1.1 Full/Low	DDR1
MPC8560	667–1000	5.1 W	256 KB	2	3	8	2	2	256	32	1 x PCI/PCI-X, 1 x pRIO	–	DDR1
MPC8567	800–1200	8.7 W	512 KB	3	8	8	2	2	256	188	1 x PCI, 1 x PCIe, 1 x sRIO	–	DDR1/2
MPC8568	800–1333	8.7 W	512 KB	5	10	8	2	2	256	188	1 x PCI, 1 x PCIe, 1 x sRIO	–	DDR1/2
MPC8569	800–1333	3.5 W	512 KB	4	8	16	16	1	256	183	1 x PCIe, 2 x sRIO	2.0 Full/Low	DDR2/3
MPC8572	2 x 1067–1500	12 W	1 MB	4	1	–	–	–	–	8	3 x PCIe, 1 x sRIO	–	DDR2/3

Constant Features
- I/D cache memory: 32/32 KB
- Floating point unit: Double precision on all devices except MPC8540/41/55/60
- SPI: 1 on MPC8535/36/41/55/60, 2 on MPC8567/68/69
- I^2C: 2 on all except MPC8540/41/55/60 which have 1
- Encryption: E version, except MPC8540/60
- Package: 783-pin FCPBGA, except MPC8567/68/72: 1023-pin FCBPGA

QorIQ

Part Number	Speed (MHz)	Cores	L2 Cache	L3 Cache	10/100/1000 Ethernet	Data Path	PCIe	USB	sRIO	GPIO	DDR2/3 Memory	Other	Package
Value Tier													
P1010	533–1000	1	256 KB	–	3	Software	2	1	–	32	16/32-bit DDR3/3L	TDM, 2 x FlexCAN, Trust Arch., 2 x SATA	425-pin PBGA
P1014	533–800	1	256 KB	–	2	Software	2	1	–	32	16-bit DDR3/3L	TDM, 2 x SATA	425-pin PBGA
P1011	533–800	1	256 KB	–	3	Software	2	2	–	16	32-bit	TDM	689-pin PBGA
P1015	400–667	1	256 KB	–	3	Software	2	2	–	16	32-bit DDR3	TDM	561-pin PBGA
P1020	533–800	2	256 KB	–	3	Software	2	2	–	16	32-bit	TDM	689-pin PBGA
P1024	400–533	2	256 KB	–	3	Software	2	2	–	16	32-bit DDR3	TDM	561-pin PBGA
P1012	533–800	1	256 KB	–	3	Software	2	1	–	16	32-bit	QUICC Engine	689-pin PBGA
P1016	400–667	1	256 KB	–	3	Software	2	1	–	16	32-bit DDR3	QUICC Engine	561-pin PBGA
P1021	533–800	2	256 KB	–	3	Software	2	1	–	16	32-bit	QUICC Engine	689-pin PBGA
P1025	400–533	2	256 KB	–	3	Software	2	1	–	16	32-bit DDR3	QUICC Engine	561-pin PBGA
P1013	667–1067	1	256 KB	–	2	Software	3	1	–	87	32/64-bit	LCD Controller, 2 x SATA, Advanced Power Management	689-pin PBGA
P1022	667–1067	2	256 KB	–	2	Software	3	1	–	87	32/64-bit	LCD Controller, 2 x SATA, Advanced Power Management	689-pin PBGA
P1017	400–800	1	256 KB	–	2	Hardware	3	1	–	16	32-bit DDR3/3L	–	457-pin PBGA
P1023	400–500	2	256 KB	–	2	Hardware	3	1	–	16	32-bit DDR3/3L	–	457-pin PBGA
P2010	800–1200	1	512 KB	–	3	Software	3	1	2	16	32/64-bit	–	689-pin PBGA
T1020	1200–1400	2	256 KB/Core	256 KB (CoreNet Platform Cache)	8-Port GbE Switch + 4 x 1 GbE	Hardware	4 Gen 2.0	2	–	24	1 x 32/64-bit DDR3L/4	Trust Arch., 2 x SATA, QUICC Engine	780-pin PBGA
T1022	1200–1400	2	256 KB/Core	256 KB (CoreNet Platform Cache)	5	Hardware	4 Gen 2.0	2	–	24	1 x 32/64-bit DDR3L/4	Trust Arch., 2 x SATA, QUICC Engine	780-pin PBGA
T1040	800–1400	4	256 KB/Core	256 KB (CoreNet Platform Cache)	8-Port GbE Switch + 4 x 1 GbE	Hardware	4 Gen 2.0	2	–	24	1 x 32/64-bit DDR3L/4	Trust Arch., 2 x SATA, QUICC Engine	780-pin PBGA
T1042	1200–1400	4	256 KB/Core	256 KB (CoreNet Platform Cache)	5	Hardware	4 Gen 2.0	2	–	24	1 x 32/64-bit DDR3L/4	Trust Arch., 2 x SATA, QUICC Engine	780-pin PBGA
Mid-Range Tier													
P2020	800–1200	2	512 KB	–	3	Software	3	1	2	16	32/64-bit	–	689-pin PBGA
P2040	800–1200	4	–	1 MB	5	Hardware	3 Gen 2.0	2	2	32	1 x 32/64-bit DDR3/3L	Trust Arch., 2 x SATA	780-pin PBGA
P2041	1200–1500	4	128 KB/Core	1 MB	5 + 1 x 10G	Hardware	3 Gen 2.0	2	2	32	1 x 32/64-bit DDR3/3L	Trust Arch., 2 x SATA	780-pin PBGA
P3041	1200–1500	4	128 KB/Core	1 MB	5 + 1 x 10G	Hardware	4 Gen 2.0	2	2	32	1 x 32/64-bit DDR3/3L	Trust Arch., 2 x SATA	1295-pin PBGA
T2080	1200–1800	8 (Virtual)	2 MB	512 KB	4 x 10G + 4 x GbE or 8 x GbE	Hardware	4 Gen 2.0/3.0	2	2	32	1 x 32/64-bit DDR3/3L	Trust Arch., 2 x SATA, DCE, PME	896-pin PBGA
High-Performance Tier													
P4040	1200–1500	4	128 KB/Core	2 MB	8 + 2 x 10G	Hardware	3 Gen 2.0	2	2	32	2 x 32/64-bit	Trust Arch.	1295-pin PBGA
P4080	1200–1500	8	128 KB/Core	2 MB	8 + 2 x 10G	Hardware	3 Gen 2.0	2	2	32	2 x 32/64-bit	Trust Arch.	1295-pin PBGA
P4081	1000–1200	8	128 KB/Core	2 MB	8 + 1 x 10G	Hardware	3	2	2	32	2 x 64-bit DDR2/3	Trust Arch.	1295-pin PBGA
P5010	1600–2000	1	512 KB/Core	1 MB	5 + 1 x 10G	Hardware	4 Gen 2.0	2	2	32	1 x 32/64-bit DDR3/3L	Trust Arch., 2 x SATA	1295-pin PBGA
P5020	1600–2000	2	512 KB/Core	2 MB	5 + 1 x 10G	Hardware	4 Gen 2.0	2	2	32	2 x 32/64-bit DDR3/3L	Trust Arch., 2 x SATA	1295-pin PBGA
P5021	1800–2200	2	512 KB/Core	2 MB	10 + 1 x 10G	Hardware	3 Gen 2.0	2	–	32	2 x 64-bit DDR3/3L	Trust Arch., 2 x SATA	1295-pin PBGA
P5040	1800–2200	4	512 KB/Core	2 MB	10 + 1 x 10G	Hardware	3 Gen 2.0	2	–	32	2 x 64-bit DDR3/3L	Trust Arch., 2 x SATA	1295-pin PBGA
T4240	1500–1800	24 (Virtual)	3 x 2 MB	3 x 512 KB	16 x GbE or 4 x 10 G + 8 x GbE	Hardware	4 gen 2.0/3.0	2	2	96	Three 64-bit DDR3/3L	Trust Arch., 2 x SATA, Interlaken LA-1	1932-pin FCPBGA
T4160	1333–1800	16 (Virtual)	2 x 2 MB	2 x 512 KB	12 x GbE or 2 x 10 G	Hardware	4 gen 2.0/3.0	2	2	96	Three 64-bit DDR3/3L	Trust Arch., 2 x SATA, Interlaken LA-1	1932-pin FCPBGA

Constant Features

- I/D cache memory: 32/32 KB
- SPI/eSPI
- One DUART except P1010, P1014, P204x, P3, P4040 and P4080 which have two DUART
- I^2C: P1 and P2 have two ports, P204x, P3, P4 and P5 have four ports
- High-Speed USB 2.0
- Local bus, HW encryption versions
- P1021 and P1012 include QUICC Engine technology (UTOPIA, 2 x 10/100 Ethernet, TDM)
- eSDHC except P1010, P1014, P1017, P1022, P2020, P2010

QorIQ Qonverge

Part Number	Speed (MHz)	Cores	L2 Cache	100/1000/10000 Ethernet	Antenna Interface	USB	GPIO	DDR2/3 Memory	Other	Package
BSC9131	800–1000	One e500 One SC3850	256 KB 512 KB	2 x 1 GB with IEEE® 1588	3 x JESD207 Parallel Port 3 x MaxPHY Serial Port	1	96	1 x 16/32-bit DDR3/3L	Trust Arch., Integrated Flash Memory Controller, MAPLE-B Baseband Accelerators, TDM, DMA Controller, PWM	520 pin FC-PBGA
BSC9132	1000–1200	Two e500 Two SC3850	512 KB (shared) 512 KB/core	2 x 1 GB with IEEE 1588	4 x JESD207 Parallel Port, 2 x CPRI	1	96	2 x 32-bit DDR3/3L	Trust Arch., Integrated Flash Memory Controller, MAPLE-B Baseband Accelerators, PCIe, TDM, DMA Controller	780-pin FC-PBGA
B4420	1400–1600 1200	Two e6500 (4 Virtual) Two SC3900 FVP	2 MB (shared) 2 MB (shared)	4 x 1 GB/2.5 GB with IEEE 1588v2	4 x CPRI	1	44	64-bit DDR3/3L	Trust Arch., Integrated Flash Memory Controller, MAPLE-B Baseband Accelerators, DPAA, PCIe, Aurora interface	1020-pin FC-PBGA
B4860	1600–1800 1200	Four e6500 (8 Virtual) Six SC3900 FVP	2 MB (shared) 6 MB (shared)	6 x 1 GB/2.5 GB + 2 x 10 GB/2.5 GB/1 GB with IEEE 1588v2	8 x CPRI	1	44	2 x 64-bit DDR3/3L	Trust Arch., Integrated Flash Memory Controller, MAPLE-B Baseband Accelerators, PCIe, DPAA, sRIO, Aurora interface	1020-pin FC-PBGA

Constant Features

- Enhanced secure digital host controller
- Enhanced serial peripheral interface(s)
- Programmable interrupt controller (PIC) compliant with OpenPIC standard
- DUART
- I²C

Host

Part Number	Speed (MHz)	L2 Cache	10/100/1000 Ethernet	PCIe	sRIO	Memory	Package
MPC8610	667–1333	256 KB	–	2	–	DDR1/2	783-pin FCPBGA
MPC8641	1000–1500	1 MB	4	2	1	2 x DDR2	1023-pin FCPBGA
MPC8641D	1000–1500	1 MB/core	4	2	1	2 x DDR2	1023-pin FCPBGA
MPC8640	1000–1250	1 MB	4	2	1	2 x DDR2	1023-pin FCPBGA
MPC8640D	1000–1250	1 MB/core	4	2	1	2 x DDR2	1023-pin FCPBGA

Constant Features

- I/D cache memory: 32/32 KB
  - SPI (MPC8610 only)
  - DUART
  - I²C
- GPIO: 32
- Local bus
  - AltiVec technology
  - MPC8610 contains LCD controller and SSI audio

Tools

Family	Products Supported	Part Number	S/R	Description
Development Systems				
MPC83xx	MPC834x Family	MPC8349EA-MDS-PB	$1,845	MPC8349E Processor Board (Can Be Stand Alone)
	MPC836x Family	MPC8360EA-MDS-PB	$1,400	MPC8360E Processor Board for Rev 2.x Silicon (Can Be Stand Alone)
	MPC837x Family	MPC837xE-MDS-PB	$2,800	MPC837x Processor Board
MPC85xx	MPC8536E	MPC8536DS	$3,395	PowerQUICC III MPC8536E Development System
	MPC8544	MPC8544DS	$3,395	PowerQUICC III MPC8544 Development System
	MPC8548, MPC8547, MPC8545, MPC8543	MPC8548CDS	$5,499	PowerQUICC III MPC8548 Configurable Development System Supports MPC8548, MPC8547, MPC8545 and MPC8543
	MPC8568	MPC8568E-MDS-PB	$2,795	MPC8568 Processor Board
	MPC8569E	MPC8569E-MDS-PB	$2,995	PowerQUICC III MPC8569E Modular Development System
	MPC8572 (Dual Core)	MPC8572DS	$3,995	MPC8572 Development System

Tools (continued)

MPC86xx	MPC8641D, MPC8640D (dual core)	MCEVALHPCN-8641D	$3,999	ATX Performance Platform
QorIQ P2 and P1 Families	P2020/2010	P2020DS-PC	$3,845	QorIQ P2020/P2010 Development System
	P1021/P1012	P1021-MDS-PB	$3,000	QorIQ P1021 Modular Development System
	P1022/P1013	P1022COME-DS-PB	$2,245	QorIQ P1022 COM Express Development System
	P2020/P2010	P2020COME-DS-PB	$2,245	QorIQ P2020 Development System (COM Express Board on Carrier Card)
	P1022/P1013	P1022DS-PB	$3,395	QorIQ P1022 Development System
QorIQ P3, P4 and P5 Families	P3041	P3041DS-PC	$3,995	QorIQ P3041 Development System
	P4080/P4040	P4080DS-PC	$4,000	QorIQ P4080 Development System
	P4080/P4040	P4080COME-DS-PB	$2,245	QorIQ P4080 Development System (COM Express Board on Carrier Card)
	P5040, P5021	P5040RDB-PA	$1,995	QorIQ P5040 Reference Design Board
	P5040, P5021	P5040DS-PA	$3,995	QorIQ P5040 Development System
	P3041, P4, P5	SGMII-PEX-RISER	$650	SGMII Riser Card for QorIQ P4/P3/P5
	P2041, P3041, P4, P5	XAUI-RISER	$1300	XAUI Riser Card for QorIQ P4/P3/P5/P204x
QorIQ Qonverge	B4860	B4860QDS	$3,900	QorIQ Qonverge B4860 Development System
	BSC9132	PSC9132QDS	$2,900	QorIQ Qonverge BSC9132 Development System
Peripheral Cards				
MPC83xx and MPC85xx	MPC83xx/MPC85xx	PQ-MDS-PIBE	$2,499	MPC83xx/MPC85xx Platform I/O Board
Reference Platforms				
MPC83xx	MPC8309	TWR-MPC8309	$199	Tower-Based Main Processor Module (TWR-MPC8309 Provides All Features of MPC8306)
	MPC8309	MPC8309-KIT	$779	PowerQUICC II Pro SOM Module Kit
	MPC8308	MPC8308-RDB	$299	PowerQUICC II Pro Reference Platform
	MPC8308	MPC8308-NSG	$349	Network Smart Gateway Reference Design Kit
	MPC8313	MPC8313E-RDBC	$299	PowerQUICC II Pro Reference Platform
	MPC8315/14	MPC8315E-RDBA	$515	Cost-Effective Reference Design Board
QorIQ P2 and P1 Families	P1020/P1011	P1020RDB-PC	$545	QorIQ P1020/P1011 Reference Design Board
	P1010/P1014	P1010-RDB	$545	Low-Cost mITX Reference Design
	P1022/P1013	P1022RDK	$995	Low-Cost mITX Carrier + Processor Module
	P2020/P2010	P2020RDB-PCA	$675	QorIQ P2020 Reference Platform
	P2040/P2041	P2041RDB-PC	$995	QorIQ P2040/P2041 Reference Platform
	P1021/P1011	P1021RDB-PC	$725	QorIQ P1021 Reference Design Board
	P1023/P1017	P1023RDB-PA	$999	QorIQ P1023 Reference Design Board
	P1024/P1015	P1024RDB-PA	$499	QorIQ P1024 Reference Design Board
	P1025/P1016	P1025RDB-PA	$499	QorIQ P1025 Reference Design Board
	P1025/P1016	TWR-P1025	$224	Tower System for Rapid Prototyping
	P1025/P1016	TWR-P1025-KIT	$299	Tower System Kit, Includes TWR-P1025, TWR-ELEV and TWR-IND-IO Modules
	P5020, P5010	P5020RDB	$3,995	QorIQ P5020 Development System
QorIQ Qonverge	BSC9131	BSC9131RDB	$955	QorIQ Qonverge BSC9131 Reference Design Board

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