



PCIe 2.1 Packet Switches

Selector Guide

Part #	# Ports/ # Lanes	Config. UP	Config. DOWN	Integrated Clock Buffer	Power (typ.)	NT mode	DMA	Multi- cast	Package	Match PLX pinout	Latency (typ)	ASPM L1.1 Substate	Ambient Temp	Programmable PHY TX/ RX Signals	ACS/ AT/ LTR/ OBFF
PI7C9X2G303EL	3-Port/ 3-Lane	1-Port x1 Lane	2-Ports x1 Lane	YES	0.9W	NO	NO	NO	aQFN 136 8x8mm		150nS	NO	-40~ +85°C	YES	YES
PI7C9X2G304EL /ELQ	3-Port /4-Lane	1-Port x1 or x2	2-Ports x1	YES	0.9W	NO	NO	NO	aQFN 136 10x10mm		150nS	NO	-40~ +85°C	YES	YES
PI7C9X2G304SL/SLQ	3-Port /4-Lane	1-Port x1 or x2	2-Ports x1	YES	0.9W	NO	NO	NO	LQFP128 14x14mm		150nS	NO	-40~ +85°C	YES	YES
PI7C9X2G404EL/ELQ	4-Port /4-Lane	1-Port x1	3-Ports x1	YES	0.9W	NO	NO	NO	aQFN 136 10x10mm		150nS	NO	-40~ +85°C	YES	YES
PI7C9X2G404SL/SLQ	4-Port /4-Lane	1-Port x1	3-Ports x1	YES	0.9W	NO	NO	NO	LQFP128 14x14mm		150nS	NO	-40~ +85°C	YES	YES
PI7C9X2G606PR	6-Port /6-Lane	1-Port x1 or x2	5-Ports x1	NO *	1.2W	NO	NO	NO	BGA 15x15mm	YES - PEX8606	150nS	NO	-40~ +85°C	YES	YES
PI7C9X2G608EL	6-Port /8-Lane	1-Port x1, x2, or x4	5 (or 4) Ports x1	YES	1.6 W	NO	NO	NO	QFN 136 10x10mm		150nS	YES	-40~ +85°C	YES	YES
PI7C9X2G608GP	6-Port /8-Lane	1-Port x1, x2, or x4	5 (or 4) Ports x1	YES	1.6 W	NO	NO	NO	BGA 15x15mm		150nS	YES	-40~ +85°C	YES	YES
PI7C9X2G308GP	3-Port /8-Lane	1-Port x1, x2, or x4	2-Ports x1 or x2	YES	1.8 W	NO	NO	NO	BGA 15x15mm		150nS	YES	-40~ +85°C	YES	YES
PI7C9X2G312GP	3-Port /12-Lane	1-Port x1, x2, or x4	2-Ports x1, x2, x4	YES	2.0 W	NO	NO	NO	BGA 15x15mm		150nS	YES	-40~ +85°C	YES	YES
PI7C9X2G612GP	6-Port /12-Lane	1-Port x1, x2, or x4	1-Port x4 + 4-Ports x1	YES	2.2 W	NO	NO	NO	BGA 15x15mm		150nS	YES	-40~ +85°C	YES	YES
PI7C9X2G808PR	8-Port /8-Lane	1-Port x1 x4	*X-Ports x1, x2, or x4	NO *	1.8W	YES	NO	YES	BGA 15x15mm	YES - PEX8608	150nS	NO (to match PLX)	-40~ +70°C	YES	YES
PI7C9X2G912GP	9-Port /12-Lane	1-Port x1, x2 or x4	*X-Ports x1, x2, or x4	NO	2.6W	NO	NO	YES	BGA 15x15mm		150nS	NO	-40~ +85°C	YES	YES
PI7C9X2G1616PR	16-Port/ 16-Lane	1-Port x1, x2, x4, or x8	*X-Ports x1, x2, x4 or x8	NO *	3.5W	YES	YES	YES	BGA 19x19mm	YES - PEX8619	150nS	NO (to match PLX)	-40~ +85°C	YES	YES
PI7C9X2G1224GP	12-Port/ 24-Lane	1-Port x1, x4 or x8	*X-Ports x1, x2, x4, or x8	YES	4.2W	YES	YES	YES	BGA 19x19mm		150nS	YES	-40~ +70°C	YES	YES

Note:

* Recommended Clock Buffers: PI6CB18401, PI6CB18601, PI6CB18801, PI6CDBL401B, PI6CDBL402B