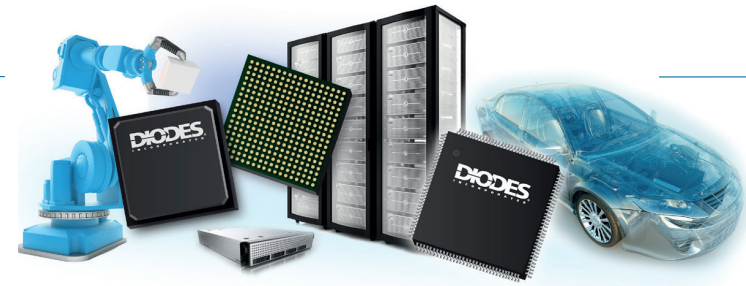


PCIe 2.1 Packet Switches

Selector Guide



Part Number	# Ports/# Lanes	Config. UP	Config. DOWN	Integrated Clock Buffer	Power (typ.)	NT Mode	DMA	Multi-cast	Package	Match PLX pinout	Latency Type	ASPM L1.1 Substate	Ambient Temp	Programmable PHY TX/RX Signal	ACS/AT/LTR/OBFF
PI7C9X2G304EVQ	3-Port/4-Lane	1-Port x1 or x2	2-Ports x1	YES	0.3W	NO	NO	NO	aQFN 136 10x10mm	-	150nS	YES	-40°~ +105°C	YES	YES
PI7C9X2G404EVQ	4-Port/4-Lane	1-Port x1	3-Ports x1	YES	0.3W	NO	NO	NO	aQFN 136 10x10mm	-	150nS	YES	-40°~ +105°C	YES	YES
PI7C9X2G304EV	3-Port/4-Lane	1-Port x1 or x2	2-Ports x1	YES	0.3W	NO	NO	NO	aQFN 136 10x10mm	-	150nS	YES	-40°~ +85°C	YES	YES
PI7C9X2G304SV	3-Port/4-Lane	1-Port x1 or x2	2-Ports x1	YES	0.3W	NO	NO	NO	LQFP 128 14x14mm	-	150nS	YES	-40°~ +85°C	YES	YES
PI7C9X2G404EV	4-Port/4-Lane	1-Port x1	3-Ports x1	YES	0.3W	NO	NO	NO	aQFN 136 10x10mm	-	150nS	YES	-40°~ +85°C	YES	YES
PI7C9X2G404SV	4-Port/4-Lane	1-Port x1	3-Ports x1	YES	0.3W	NO	NO	NO	LQFP 128 14x14mm	-	150nS	YES	-40°~ +85°C	YES	YES
PI7C9X2G303EL	3-Port/3-Lane	1-Port x1 Lane	2-Ports x1 Lane	YES	0.7W	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	0.65W	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	0.7W	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	0.65W	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	0.75W	NO	NO	NO	LQFP 128 14x14mm	-	150nS	NO	-40°~ +85°C	YES	YES
PI7C9X2G606PR	6-Port/6-Lane	1-Port x1 or x2	5-Ports x1	NO*	0.6W	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	1.2W	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	1.2W	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	1.3W	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	1.3W	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	1.4W	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*	1.23W	YES	NO	YES	BGA 15x15mm	YES - PEX8608	150nS	NO (to match PLX)	-40°~ +85°C	YES	YES
PI7C9X2G912GP	9-Port/12-Lane	1-Port x1, x2 or x4	*X-Ports x1, x2, or x4	NO	1.27W	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*	1.27W	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	2.1W	YES	YES	YES	BGA 19x19mm	-	150nS	YES	-40°~ +85°C	YES	YES

November 2020

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

FOR MORE INFORMATION: diodes.com