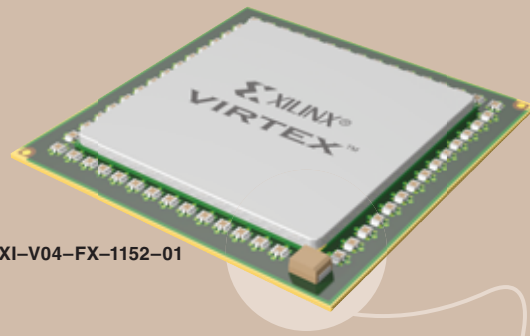




POWERPOSER™

PPXI-V04-FX-1152-01



XILINX® INTERPOSER PPXI SERIES

FEATURES

- Up to 31 percent increase in usable customer PCB real estate as most capacitors, ferrite filters and linear power supplies can be removed
- Up to 33 percent routing channel improvement
- Up to 25 percent noise reduction & speed improvement
- Preferable that the customer consign the FPGA to Samtec for package assembly
- Samtec can design custom PowerPoser™ Interposers for ASICs or FPGAs for which there is currently no standard offering
- For additional specifications, FPGA shipping details and custom Interposer design information contact powerposer@samtec.com

SPECIFICATIONS

For complete specifications see www.samtec.com?PPXI

Xilinx® and Virtex™ are trademarks of Xilinx, Inc.

Note:
Some sizes, styles and options are non-standard, non-returnable.

APPLICATION

- PowerPoser™ Interposer FPGA Devices:
- PPXI-V04-FX-1152-XX for use with Xilinx® Virtex™-4 1152
 - PPXI-V04-FX-1517-XX for use with Xilinx® Virtex™-4-FX 1517
 - PPXI-V05-LX-1136-XX for use with Xilinx® Virtex™-5-LX 1136

PowerPoser™ Interposer provides optimal low-impedance power bypass

Interposer footprint matches FPGA footprint

Ultra thin dielectric layers

Low inductance, high capacitance X2Y® capacitors

X2Y® is a registered trademark of X2Y Attenuators, LLC.

PPXI	TYPE	PLATFORM	PIN COUNT	LEAD STYLE												
	<p>-V04 = Virtex™-4 (1152 & 1517)</p> <p>-V05 = Virtex™-5 (1136)</p>	<p>-FX = High performance logic</p> <p>-LX = Embedded processing and serial connectivity</p>	<p>-1136 = 1136 Pins (Virtex™-5)</p> <p>-1152 = 1152 Pins (Virtex™-4)</p> <p>-1517 = 1517 Pins (Virtex™-4)</p>	<p>Specify LEAD STYLE from chart</p> <table border="1"> <thead> <tr> <th>PIN COUNT</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>1136</td> <td>(44,96) 1.77 SQ</td> <td>(4,48) .176</td> </tr> <tr> <td>1152</td> <td>(44,96) 1.77 SQ</td> <td>(4,72) .186</td> </tr> <tr> <td>1517</td> <td>(50,00) 1.969 SQ</td> <td>(4,72) .186</td> </tr> </tbody> </table>	PIN COUNT	A	B	1136	(44,96) 1.77 SQ	(4,48) .176	1152	(44,96) 1.77 SQ	(4,72) .186	1517	(50,00) 1.969 SQ	(4,72) .186
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LEAD STYLE	1136 FPGA PART NUMBER	1517 FPGA PART NUMBER	1152 FPGA PART NUMBER
-01	XC5VLX110T-2FF1136C	XC4VFX100-10FFG1517C	XC4VFX60-10FFG1152C
-02	TBD	XC4VFX100-11FFG1517C	XC4VFX60-11FFG1152C
-03	TBD	XC4VFX100-12FFG1517C	XC4VFX60-12FFG1152C
-04	TBD	XC4VFX140-10FFG1517C	XC4VFX100-10FFG1152C
-05	TBD	XC4VFX140-11FFG1517C	XC4VFX100-11FFG1152C
-06	TBD	XC4VFX140-12FFG1517C	XC4VFX100-12FFG1152C
-07	TBD	XC4VFX100-10FFG1517I	XC4VFX60-10FFG1152I
-08	TBD	XC4VFX100-11FFG1517I	XC4VFX60-11FFG1152I
-09	TBD	XC4VFX100-12FFG1517I	XC4VFX60-12FFG1152I
-10	TBD	XC4VFX140-10FFG1517I	XC4VFX100-10FFG1152I
-11	TBD	XC4VFX140-11FFG1517I	XC4VFX100-11FFG1152I
-12	TBD	XC4VFX140-12FFG1517I	XC4VFX100-12FFG1152I

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM