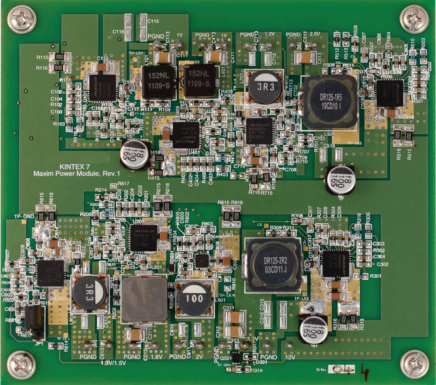
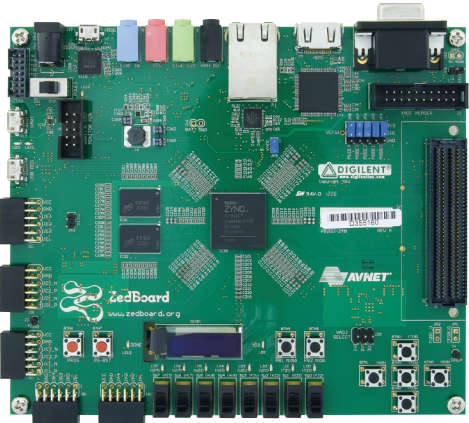
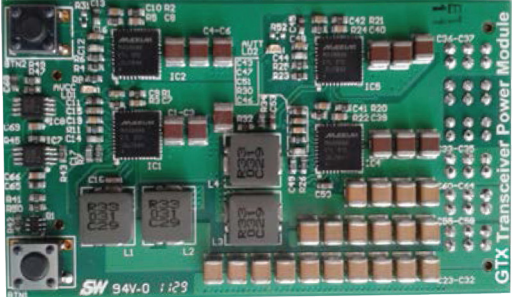
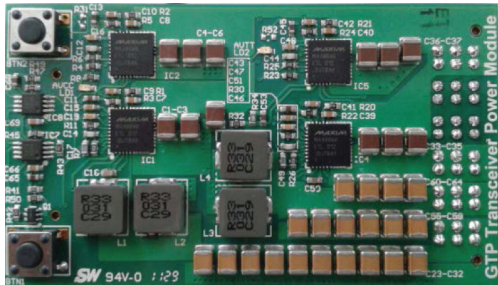
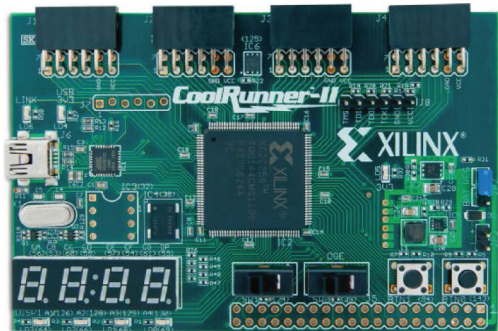


Maxim Reference Design Examples for Xilinx® FPGAs

Reference Design	Xilinx Family	Maxim Devices, Benefits, and Features
 <p>Xilinx 7-Series Family FPGA Power Module Powered by Maxim Visit www.maximintegrated.com/FPGA-Design for more information.</p>	<p>7-Series Family</p>	<p>MAX8686 25A Buck Regulator MAX8654 8A Buck Regulator MAX15041 3A Buck Regulator</p> <p>Benefits and Features</p> <ul style="list-style-type: none"> • Compact, low-cost solution • Integrated MOSFETs • Reliable operation <ul style="list-style-type: none"> ◦ 1% regulation accuracy over PVT ◦ Single/multiphase operation ◦ Remote sense ◦ Low noise transceiver supply • Support all rails from 12V V_{IN} <ul style="list-style-type: none"> ◦ 1V, 1.5/1.35V, 1.8V, 2V, 2.5V, 3.3V, 1.2V
 <p>ZedBoard™ Powered by Maxim Visit www.maximintegrated.com/FPGA-Design for more information.</p>	<p>Zynq™ -7000 Extensible Processing Platform</p>	<p>MAX15021 Dual Buck Regulator MAX15053 Buck Regulator MAX1983 LDO MAX6037A Voltage Reference for XADC MAX1510 DDR Termination Regulator</p> <p>Benefits and Features</p> <ul style="list-style-type: none"> • Ease of use with modules and multirail regulators • Compact solution • Tight tolerance across PVT, 0.2% voltage reference • Support all rails from 5V V_{IN} <ul style="list-style-type: none"> ◦ 0.75V, 1V, 1.5V, 1.8V, 2.5V, 3.3V
 <p>Virtex® -6 FPGA GTX Transceiver Power Module Powered by Maxim for Use with Xilinx ML623 Development Board Visit www.maximintegrated.com/FPGA-Design for more information.</p>	<p>Virtex-6 FPGA</p>	<p>MAX8686 25A Buck Regulator</p> <p>Benefits and Features</p> <ul style="list-style-type: none"> • Simple design to power high-speed transceivers at lowest noise • Compact solution • Reliable operation <ul style="list-style-type: none"> ◦ 1% regulation accuracy over PVT ◦ Single/multiphase operation ◦ Remote sense ◦ Low noise transceiver supply

Maxim Reference Design Examples for Xilinx® FPGAs (continued)

Reference Design	Xilinx Family	Maxim Devices, Benefits, and Features
 <p>Spartan®-6 FPGA GTP Transceiver Power Module Powered by Maxim for Use with Xilinx SP623 Development Board</p> <p>Visit www.maxim-ic.com/FPGA-Design for more information.</p>	Spartan-6 FPGA	<p>MAX8686 25A Buck Regulator</p> <p>Benefits and Features</p> <ul style="list-style-type: none"> Simple design to power high-speed transceivers at lowest noise Compact solution Reliable operation <ul style="list-style-type: none"> 1% regulation accuracy over PVT Single/multiphase operation Remote sense Low noise transceiver supply
 <p>Xilinx CoolRunnerK-II CPLD Kit Powered by Maxim</p> <p>Visit www.maxim-ic.com/FPGA-Design for more information.</p>	CoolRunner-II CPLD	<ul style="list-style-type: none"> MAX15007 High-Voltage LDO DS28E01-100 1-Wire Secure EEPROM <p>Benefits and Features</p> <ul style="list-style-type: none"> Industry's highest efficiency and compact design 2mm x 2mm packages, PFM mode Fully synchronous operation Solution size smaller than a penny Robust IP protection with 1-Wire® EEPROM



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