

MAXGTPREFDES

Spartan-6 FPGA GTP Transceiver Power Module

Simple, Compact, and Reliable Power Module for Evaluating Spartan-6 GTP Transceiver

Overview	Technical Documents	Ordering Info	User Comments (0)	All
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Status

Active: In Production.

Description

MAXGTPREFDES is a power-supply module for the [Xilinx® Spartan®-6 FPGA SP623 Characterization Kit](#). The module uses the 25A [MAX8686](#) power regulator with internal MOSFETs to supply all the rails of the 3.125Gbps transceivers on the Spartan-6 XC6SLX150T-3FGG676 FPGA. The power-supply module has been tested in hardware and shown to be the lowest noise when compared to competitor power-supply modules.

The MAXGTPREFDES board complies with Xilinx power-supply module specifications and can be plugged directly into the SP623 board to power it. Refer to MAX8686 product pages for more information on the features and simulation models

Key Features

- Simple Design to Power High-Speed Transceivers at Lowest Noise
- Compact Solution
- Reliable Operation
 - 1% Regulation Accuracy Over PVT
 - Single/Multiphase Operation
 - Remote Sense
 - Low Noise

Technical Documents

Product Guide 5385 [Analog Solutions for Xilinx FPGAs](#)

Product Guides

[Analog Solutions for Xilinx FPGAs \(PDF\)](#)

Reliability Reports


Request Reliability Report for: MAXGTPREFDES

Software/Models

none

Ordering Information

Filters: Part Number: Package: Any Temperature: Any ☐ Tape and Reel ☐ Sample

Part Number	Free Sample	Buy	Status 	Package: TYPE PINS FOOTPRINT DRAWING CODE/VAR *	Temp
MAXGTPREFDES#		<input type="button" value="Buy"/>	Active	KIT; Land Pattern: Not Available	-40°C to +85°C