

DS80EP100-EVK / DS38EP100-EVK User Guide

DS80EP100 5 to 12.5 Gbps, DS38EP100 1 to 5 Gbps Power-Saver Equalizer for Backplanes and Cables

Overview

The DS80EP100 / DS38EP100 evaluation board provides a typical application for the evaluation of the DS80EP100 / DS38EP100 Power-Saver equalizer. It can be connected to backplanes or cables through SMA connectors.

Specifications

Data Inputs (IOA+ and IOA-): High-speed data inputs. Acceptable data input speed 5 to 12.5 Gbps (DS80EP100), and 1 to 5 Gbps (DS38EP100). *For more details, please refer to the datasheet.*

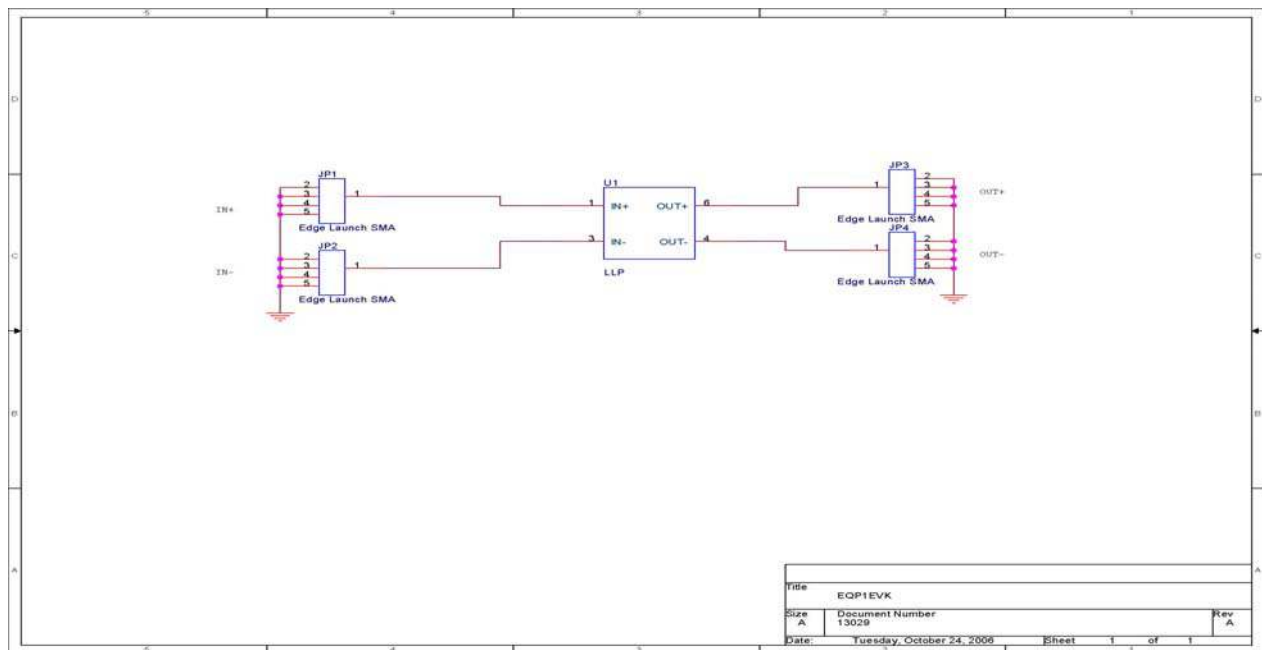
Outputs (IOB+ and IOB-): High-speed data outputs. *For more details, please refer to the datasheet.*

Input Voltage (all inputs): up to 3.6V p-p.

Bill of Materials

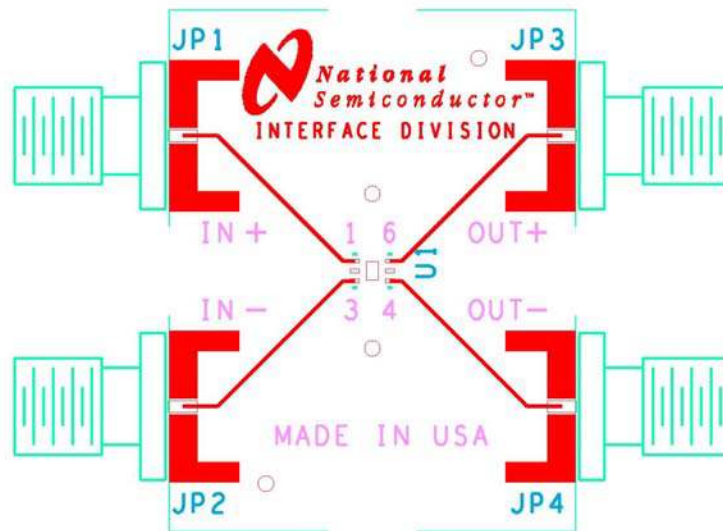
DESIGNATION	QTY	DESCRIPTION
JP1,JP2,JP3,JP4	4	Edge Launch SMA 142-0701-851
U1	1	DS80EP100 / DS38EP100

Schematics



Layout (Top Layer)

Note: The center DAP of DS80EP100 / DS38EP100 has to be “No Connect”. The center pad of following top layer is floating, and it does NOT connect to the GND.



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