



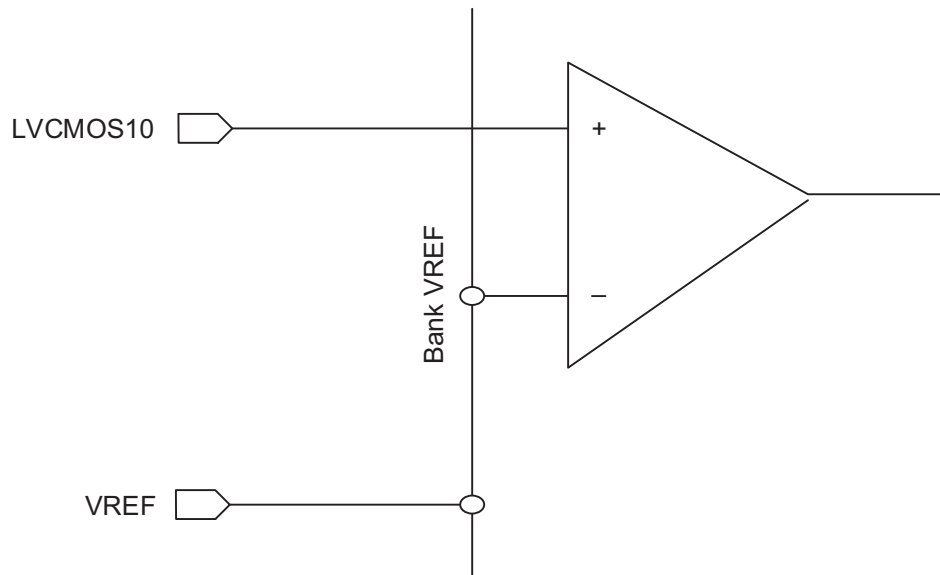
MachXO2™ Family Data Sheet Supplement for LVC MOS10 Inputs and BIDs

DS1035_S_LVC MOS10 Version 1.1, April 2016

Overview

This document is a supplement to the MachXO2 Family Data Sheet and provides the following additions or customizations:

- Support for LVCMOS10R33 and LVCMOS10R25 inputs and BIDIs for all ZE devices and –6 speed grade for HE and HC devices



sysIO Recommended Operating Conditions

Standard	V _{CCIO} (V)			V _{REF} (V)		
	Min.	Typ.	Max.	Min.	Typ.	Max.
LVC MOS10R33	3.135	3.3	3.6	0.35	0.5	0.65
LVC MOS10R25	2.375	2.5	2.625	0.35	0.5	0.65

sysIO Single-Ended DC Electrical Characteristics

Input/Output Standard	V _{IL}		V _{IH}		VOL Max. (V)	VOH Min. (V)	IOL (mA)	IOH1 (mA)
	Min. (V)	Max. (V)	Min. (V)	Max. (V)				
LVC MOS10R33	-0.3	VREF - 0.1	VREF + 0.1	3.465	0.40	N/A Open Drain	16, 12, 8, 4	N/A Open Drain
LVC MOS10R25	-0.3	VREF - 0.1	VREF + 0.1	3.465	0.40	N/A Open Drain	12, 8, 4	N/A Open Drain

Revision History

Date	Version	Change Summary
November 2015	1.1	Corrected typo error in Overview section.
November 2015	1.0	Initial release.