

General Description

'This document details the custom configuration that is programmed into the one-time-programmable (OTP) memory of the 5P49V5935B536LTGI. Please refer to the device datasheet for further information about the device.'

General Configuration

Parameter	Value	Units
Device I ² C Address	Primary 0xD4	--
SD/OE Pin Function	Output Enable	--
SD/OE Polarity	Negative	--

Frequency Overview

Parameter	Configuration 0	Configuration 1	Configuration 2	Configuration 3	Units
Input	25	25	25	25	MHz
Output 0	25	25	25	25	MHz
Output 1	52	100	50	26	MHz
Output 2	125	125	125	125	MHz
Output 3	27	27	27	27	MHz
Output 4	300	300	300	300	MHz

Input Configuration

Parameter	Input when CLKSEL = LOW or OPEN	Input when CLKSEL = HIGH
Configuration 0	Integrated crystal as input	None (differential clock input disabled)
Configuration 1	Integrated crystal as input	None (differential clock input disabled)
Configuration 2	Integrated crystal as input	None (differential clock input disabled)
Configuration 3	Integrated crystal as input	None (differential clock input disabled)

Configuration 0 Parameters: SEL[1:0] = 00

Input Frequency: 25 MHz

Parameter	Output 0	Output 1	Output 2	Output 3	Output 4	Units
Frequency	--	52	125	27	300	MHz
Default Output Status	(Unused Output)	On	On	On	On	--
Output Type	--	LVDS	LVDS	LVDS	LVDS	--
Voltage	--	1.8	1.8	1.8	1.8	V
Spread Spectrum	--	Off	Off	Off	Off	--
Spread Modulation Freq	--	--	--	--	--	kHz
Spread Spectrum Modulation	--	--	--	--	--	%
Slew Rate	--	1.0x nominal	1.0x nominal	1.0x nominal	1.0x nominal	--
Phase Shift	--	0	0	0	0	Degrees

Configuration 1 Parameters: SEL[1:0] = 01

Input Frequency: 25 MHz

Parameter	Output 0	Output 1	Output 2	Output 3	Output 4	Units
Frequency	--	100	125	27	300	MHz
Default Output Status	(Unused Output)	On	On	On	On	--
Output Type	--	LVDS	LVDS	LVDS	LVDS	--
Voltage	--	1.8	1.8	1.8	1.8	V
Spread Spectrum	--	Off	Off	Off	Off	--
Spread Modulation Freq	--	--	--	--	--	kHz
Spread Spectrum Modulation	--	--	--	--	--	%
Slew Rate	--	1.0x nominal	1.0x nominal	1.0x nominal	1.0x nominal	--
Phase Shift	--	0	0	0	0	Degrees

Configuration 2 Parameters: SEL[1:0] = 10

Input Frequency: 25 MHz

Parameter	Output 0	Output 1	Output 2	Output 3	Output 4	Units
Frequency	--	50	125	27	300	MHz
Default Output Status	(Unused Output)	On	On	On	On	--
Output Type	--	LVDS	LVDS	LVDS	LVDS	--
Voltage	--	1.8	1.8	1.8	1.8	V
Spread Spectrum	--	Off	Off	Off	Off	--
Spread Modulation Freq	--	--	--	--	--	kHz
Spread Spectrum Modulation	--	--	--	--	--	%
Slew Rate	--	1.0x nominal	1.0x nominal	1.0x nominal	1.0x nominal	--
Phase Shift	--	0	0	0	0	Degrees

Configuration 3 Parameters: SEL[1:0] = 11

Input Frequency: 25 MHz

Parameter	Output 0	Output 1	Output 2	Output 3	Output 4	Units
Frequency	--	26	125	27	300	MHz
Default Output Status	(Unused Output)	On	On	On	On	--
Output Type	--	LVDS	LVDS	LVDS	LVDS	--
Voltage	--	1.8	1.8	1.8	1.8	V
Spread Spectrum	--	Off	Off	Off	Off	--
Spread Modulation Freq	--	--	--	--	--	kHz
Spread Spectrum Modulation	--	--	--	--	--	%
Slew Rate	--	1.0x nominal	1.0x nominal	1.0x nominal	1.0x nominal	--
Phase Shift	--	0	0	0	0	Degrees

5P49V5935B536LTGI Ordering Information

Part/Order Number	Marking	Package	Shipping Packaging	Temperature
5P49V5935B536LTGI	5935B 536 YWW**\$	"Lead-Free" 24-pin VFQFPN	Tray	-40° to +85°C
5P49V5935B536LTGI8	5935B 536 YWW**\$	"Lead-Free" 24-pin VFQFPN	Tape and Reel	-40° to +85°C

Marking notes:

1. Line 1 is the truncated part number.
2. Line 2 is the dash code.
3. "YWW" is the last digit of the year and work week that the part was assembled.
4. "***" denotes the lot number.
5. "\$" denotes the mark code.



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