

General Description

This document details the custom configuration that is programmed into the one-time-programmable (OTP) memory of the 5P1105A523NLGI. Please refer to the device datasheet for further information about the device.

General Configuration

Parameter	Value	Units
Device I ² C Address	Primary 0xD4	
Crystal Load Capacitance	8	pF
SD/OE Pin Function	Output Enable	

Input Configuration

Parameter	Input when CLKSEL = LOW or OPEN	Input when CLKSEL = HIGH
Configuration 0	Crystal Input (pin 4 XIN/REF)	Differential Clock Input (pin 1 CLKIN and 2 CLKINB)
Configuration 1	No active input (Crystal Oscillator is disabled)	Differential Clock Input (pin 1 CLKIN and 2 CLKINB)
Configuration 2	No active input (Crystal Oscillator is disabled)	Differential Clock Input (pin 1 CLKIN and 2 CLKINB)
Configuration 3	Crystal Input (pin 4 XIN/REF)	Differential Clock Input (pin 1 CLKIN and 2 CLKINB)

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

SD/OE Polarity: Positive

Parameter	Output 0	Output 1	Output 2	Output 3	Output 4	Units
Default Output Status	Off	On	On	On	On	
VDDO Voltage	1.8	1.8	1.8	3.3	1.8	V
Output Type	LVC MOS	LVDS	LVDS	LVDS	LVDS	

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

SD/OE Polarity: Positive

Parameter	Output 0	Output 1	Output 2	Output 3	Output 4	Units
Default Output Status	Off	On	On	On	On	
VDDO Voltage	1.8	1.8	1.8	3.3	3.3	V
Output Type	LVC MOS	LVDS	LVDS	LVDS	LVDS	

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

SD/OE Polarity: Positive

Parameter	Output 0	Output 1	Output 2	Output 3	Output 4	Units
Default Output Status	Off	On	On	Off	On	
VDDO Voltage	1.8	1.8	1.8	1.8	1.8	V
Output Type	LVC MOS	LVDS	LVDS	LVDS	LVDS	

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

SD/OE Polarity: Positive

Parameter	Output 0	Output 1	Output 2	Output 3	Output 4	Units
Default Output Status	Off	On	On	On	On	
VDDO Voltage	1.8	1.8	1.8	1.8	1.8	V
Output Type	LVC MOS	LVDS	LVDS	LVC MOSX2	LVDS	

5P1105A523NLGI Ordering Information

Part/Order Number	Marking	Package	Shipping Packaging	Temperature
5P1105A523NLGI	1105A 523 YWW**\$	"Lead-Free" 24-pin VFQFPN	Tray	-40° to +85°C
5P1105A523NLGI8	1105A 523 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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