



- ☐ Draft Specifications
☐ Preliminary Specifications
☒ Final Specifications

Title	OSD 5 KEY Control Board
Model Name	OD-5KEY-21
Doc Version	2

Customer

Approved by

Date

Notice: This Specification is subject to change without notice.

Approved By	Prepared By
Tony Chiu 2026-07-28	Frank Kuo 2026-07-28



REVISION HISTORY

Version	ECN No.	Description of Changes	Date	Prepared
0		Final specification first edition	2021-06-18	Frank Kuo
1		Update 2.1 Interface Photo	2023-08-28	Frank Kuo
2		Update 4 Engineering Drawing	2026-07-28	Frank Kuo



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1. ABSOLUTE MAXIMUM RATINGS

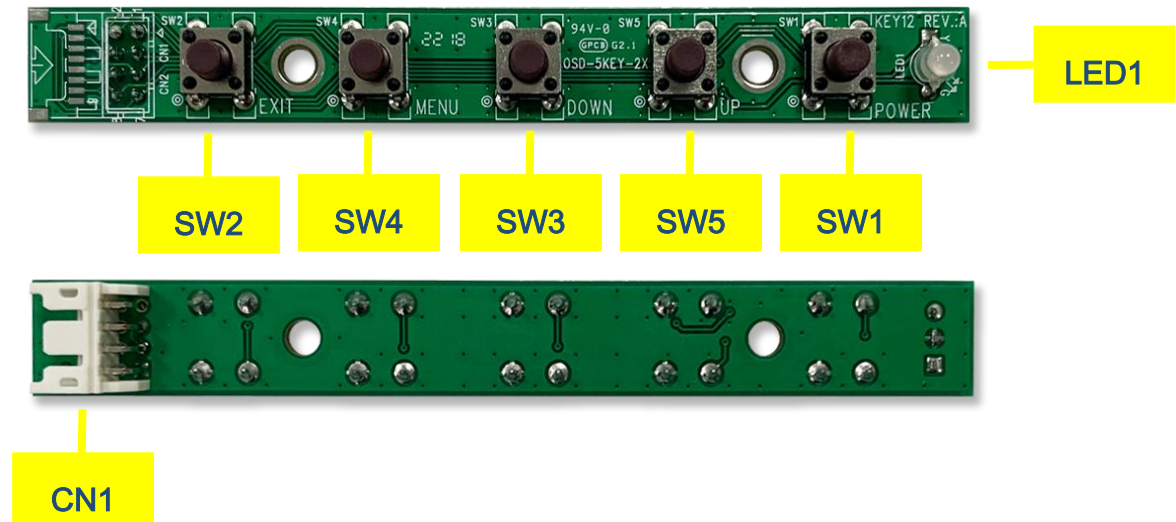
The followings are maximum values which, if exceed, may cause faulty operation or damage to the unit.

Parameter	Symbol	Min.	Max.	Unit
Operating Temperature	T _{op}	-30	+85	°C
Storage Temperature	T _{st}	-40	+85	°C
Operating Humidity	H _{op}	---	85	%RH

Note: A well-designed thermal dissipation structure is recommended.

2. INPUT TERMINAL PIN ASSIGNMENT

2.1. INTERFACE



- SW1 : Power
- SW2 : Exit/Auto
- SW3 : Down
- SW4 : Menu
- SW5 : Up
- LED1 : Two Color LED (Green / Orange)
- CN1 : Output Connect

2.2. SIGNAL CONNECTIONS

- Output Connect

Location – CN1 : 4x2pin wafer pitch 2.0mm STM MD242154R

Pin Assign and Definition

Pin No.	SYMBOL	Pin No.	SYMBOL
1	POWER	5	UP
2	DOWN	6	GND
3	LED_O	7	MENU
4	EXIT/AUTO	8	LED_G

3. MECHANICAL CHARACTERISTICS

Item	Dimension	Unit	Note
Outline Dimension	Horizontal	92.00	OSD KEY : OD-5KEY-21
	Vertical	11.00	
	Depth (min.)	(7.00±0.50 TOP) (5.00±0.50 BOTTOM)	
	USER Hole	Ø3.20*2	
Weight	5.7	g	

4. ENGINEERING DRAWING

