



Chuangxin Online Test Center Laboratory

Add: F/r 401 Building A, Ying Da Feng industrial No,393,Jihua Rd.LongGang
Dis. Shenzhen China
Tel: 0755-83765367 Email: engineer@iclabcn.com

Report No:	SZ20220721008
Date:	2022/07/21
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Project Inspection Report

Company : Weisail Electronics Hongkong Limited
Address : N/A
Sample Name : LMH6572MQ
Manufacture : TI
Date Code : N/A
Package Type : SSOP-16
Sample Number : 10 PCS
Check Number : 10 PCS
Date of Received : 2022/07/15
Date of Tested : 2022/07/18/13:40~2022/07/18/17:00

WE HEREBY CERTIFY THAT:

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

Inspected by Engineer
Clouds

Reviewed by Project Manager
Lucy



Note:

1. This report will be invalid if reproduced in whole or in part.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used separately.
3. This report is only valid with the examination seal and signature of this institute.
4. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.
5. This report is only responsible for the samples tested.



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Items test

- External visual inspection
- Pin Correlation Test
- Programming test
- Solder ability Analysis
- Radiography (X-ray)
- ROHS test
- Key Functional Testing (KFT)
- Baking
- Tape and Reel
- Internal visual inspection

Methods & Equipment

1.1 Applicable Standard

- AS6081

1.2 Optical Microscope

- Equipment Spec:
Top view: FINIAL Hi-scope System SEZ-260: X7 ~ X45
FJ-3A: X50 ~ X500

1.3 Functional testing Equipment

- DC power supply
- Signal generator
- Oscilloscope
- Digital multimeter

1.4 Testing Environment

- Ambient Temperature: $25\pm 5^{\circ}\text{C}$
- Relative Humidity: 45%-65% RH

1.5 Testing Base

- [TI LMH6572MQ]
<https://www.semiee.com/file/TI/TI-LMH6572.pdf>



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Analysis Summary

Key Functional Testing (KFT) Results:

Key Functional Testing (KFT)	Result:
Total quantity tested:	10pcs
Total quantity passed:	0pcs
Total quantity failed:	10pcs
Note:	All devices failed the parameter IiH test .

Key Functional Testing (KFT) Results:

Tested Parameters	Result
GAIN	10pcs Passed
ICC	10pcs Passed
IiH	10pcs failed

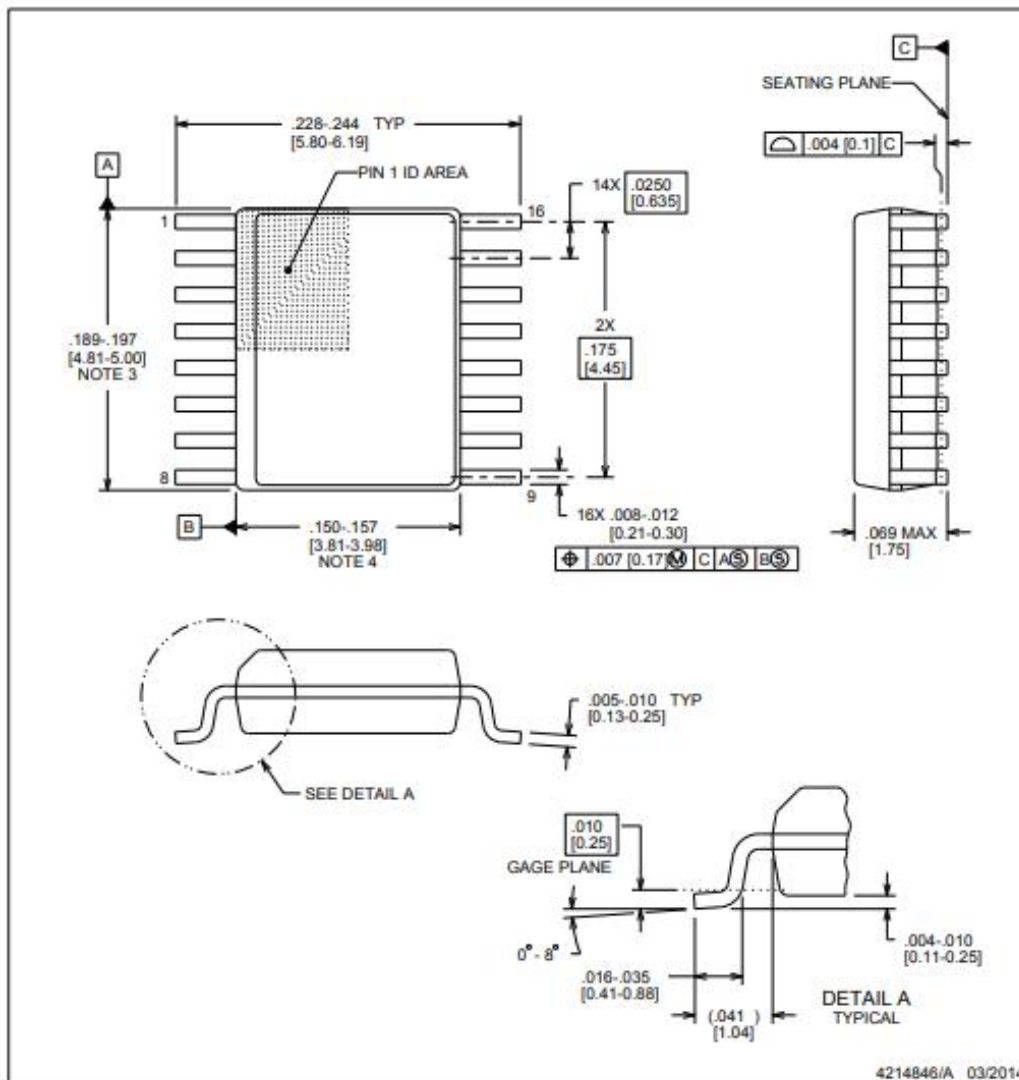


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1. Device Description:

The LMHTM 6572 is a high performance analog multiplexer optimized for professional grade video and other high fidelity, high bandwidth analog applications. The LMH6572 provides a 290MHz bandwidth at 2 Vpp output signal levels. The 140 MHz of .1 dB bandwidth and a 1500 V/us slew rate make this part suitable for High Definition Television (HDTV) and High Resolution Multimedia Video applications.

2. Package Dimensions:





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3. Receiving Inspection:

Gross Weight	5g	Parts Total	10 PCS
Number Of Boxes	N/A	Intact Label	Non Present
Package type	Reel	Moisture protection	Non Present
MSL	N/A	ESD protection	Exist

Note: All devices contain 10 PCS chips.

Received View-1



Received View-2





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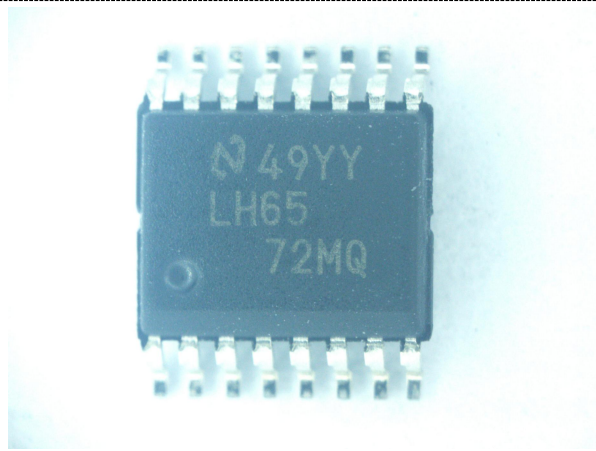
4. Key Functional Testing (KFT):

Applicable Standard: AS6081

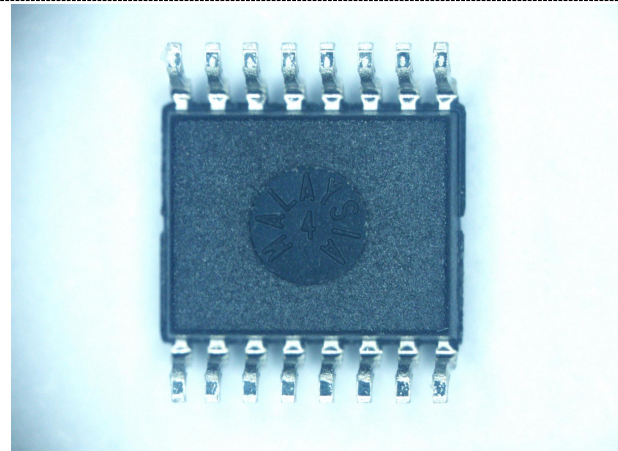
Using DC Power Supply, Signal generator, Oscilloscope and multimeter verified the following parameters at 25°C:

- Voltage Gain: $GAIN = 2.0 \pm 0.5\% V/V @$ No load;
- Supply Current: $20mA \leq ICC \leq 25mA @$ No load;
- Logic Pin Input Current High: $112\mu A \leq I_{IH} \leq 200\mu A @$ Logic Input = 2.0V.

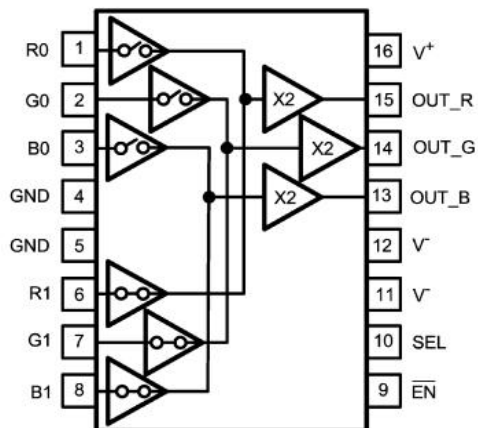
Top



Bottom



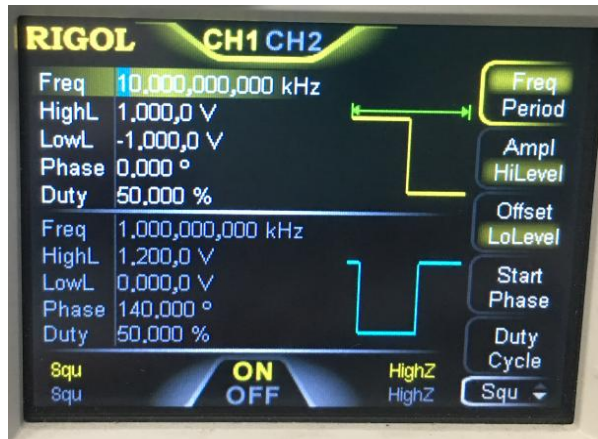
Device Pinout



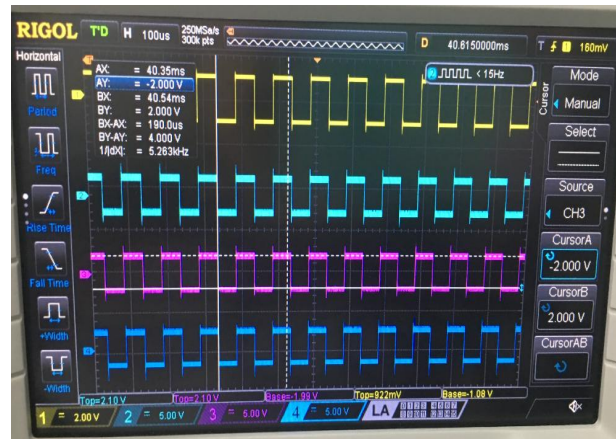
$V_S = \pm 5V, SEL = 2V, \overline{EN} = GND$



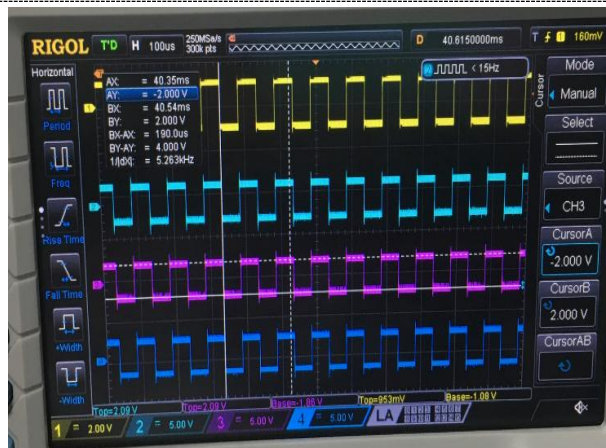
VIN (R0, G0, B0, R1, G1, B1)



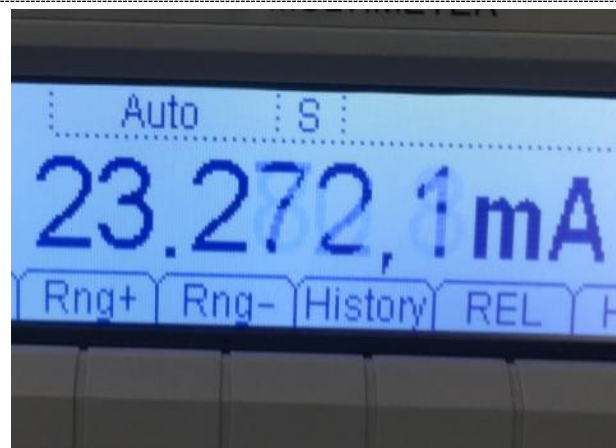
VIN, OUT_R, OUT_G, OUT_B @ SEL = 2V (GAIN = 2)



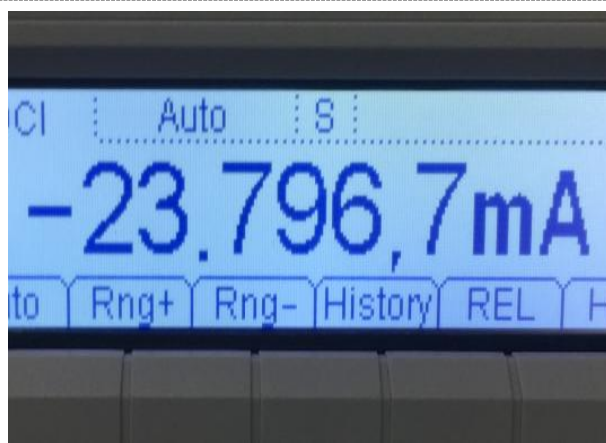
VIN, OUT_R, OUT_G, OUT_B @ SEL = GND (GAIN = 2)



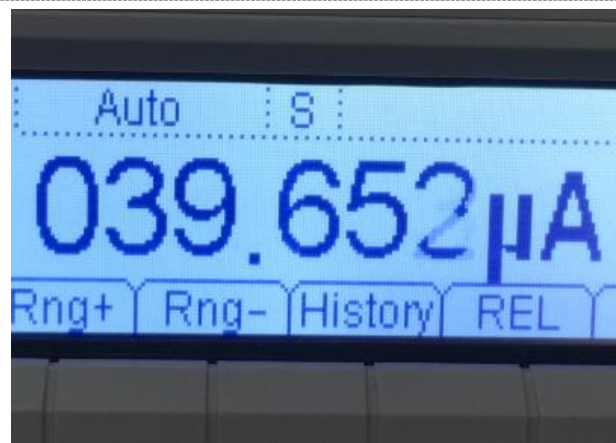
V⁺ ICC = 23.2721mA



V⁻ ICC = -23.7967mA



SEL - IiH = 39.652uA (Failed)





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Key Functional Testing (KFT) Results:

Key Functional Testing (KFT)	Result:
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Total quantity failed:	10pcs
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End



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CXO Lab WeChat official account

