

TEST IDENTIFICATION

TEST NAME

U1 Pin 2 Short-Circuit

TEST NO* T2

UUT PN 04A-005

LAST TEST NO T1

TEST TYPE STATIC

COMPONENTS UNDER TEST

REF DES	TYPE	PARAMETER	FAILURE MODE	TEST LIMIT
U1	IC (ANALOG)	CONTINUITY	Short Circuit	LOWER
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A
			N/A	N/A

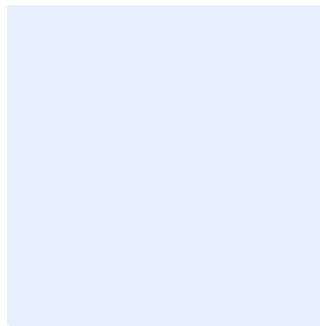
TEST PROCEDURE

PURPOSE

Detect if U1 has a short-circuit to ground on pin 1.

SCOPE

Handheld multimeter measurement.



N/A

POWER

None

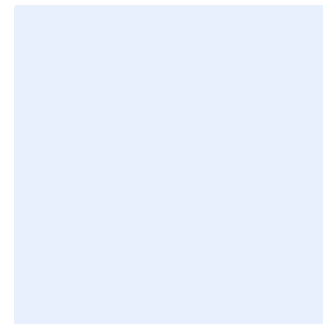
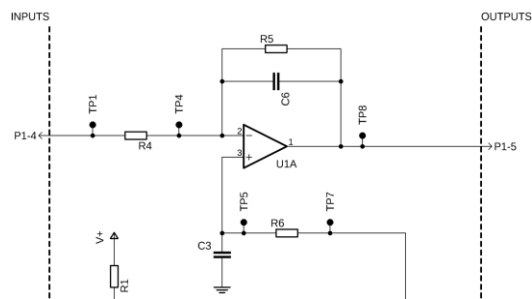
STIMULI

None

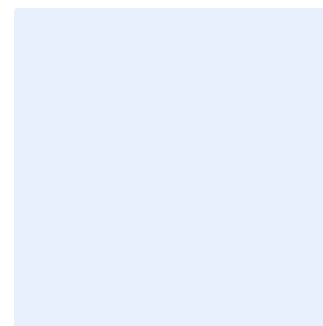
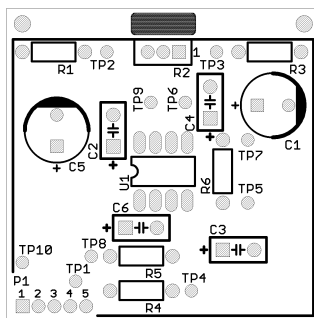
MEASUREMENT

Measure resistance between input pin and ground.

SIGNAL PIN TP1



RETURN PIN TP10



ACCEPTANCE CRITERIA

PARAMETER	LOWER LIMIT	TARGET VALUE	UPPER LIMIT	UNITS
RESISTANCE	10 K Ω	N/A	N/A	Ω

TEST RESULTS

RESULT	NEXT STEP	ADJUST	REPLACE
IN TOLERANCE	T3	N/A	N/A
OOT HIGH	N/A	N/A	N/A
OOT LOW	END FAIL	N/A	U1
OOT HIGH AND UNABLE TO ADJUST	N/A	N/A	N/A
OOT LOW AND UNABLE TO ADJUST	N/A	N/A	N/A



DETAILED TEST INFORMATION

Date Printed: 5 February 2023

THIS SPACE INTENTIONALLY BLANK

FORM CONTROLS

Save

Save and Close

Close Without Saving

Delete

Log Entry Key20230205185001
Computer IDdesktop-jti13j1
User IDnolan
Date Time20230205190419
PDFC:\Repos\miniPCB\EAGLE\miniPCB\04\A\04A-005\TESTbase v2\Tests\PDFs\T2.pdf