

TEST NAME

Collector Resistors Test (R4, R7, R8)

TEST NO* T4

UUT PN 04B-005

LAST TEST NO T3

TEST TYPE STATIC

TEST DESCRIPTION

Adjust R7 to approximately mid-range. Measure resistance. A determination of IN TOLERANCE indicates that the resistor network formed by R4, R7, R8 is as expected. It is possible that parts selected for R10, C5, Q1 can cause the measurement to be skewed.

TEST SETUP

POWER

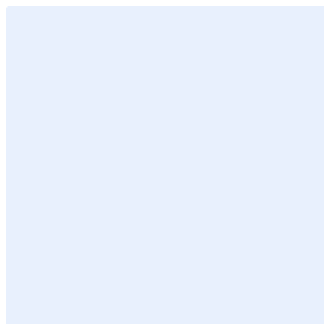
None

STIMULI

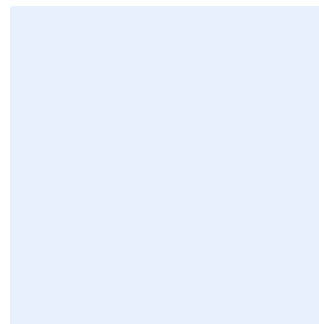
None

MEASUREMENT

Resistance measurement with handheld multimeter.



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Click or tap here to enter text.

SIGNAL PIN TP10

INSTRUMENT Fluke 87

RETURN PIN TP3

INSTRUMENT ACCURACY N/A

DETAILED TEST INFORMATION

Date Printed: 28 November 2022

PARAMETER	ACCEPTANCE CRITERIA			UNITS
	LOWER LIMIT	TARGET VALUE	UPPER LIMIT	
Resistance	$R4 (R8+R7min)$	$R4 (R8+R7mid)$	$R4 (R8+R7max)$	OHMS

TEST RESULTS			
RESULT	NEXT STEP	ADJUST	REPLACE
IN TOLERANCE	T5	N/A	N/A
OOT HIGH	N/A	Adjust R7 toward min.	N/A
OOT LOW	N/A	Adjust R7 toward max.	N/A
OOT HIGH AND UNABLE TO ADJUST	END FAIL	N/A	R4, R8, R7, (R10, C5, Q1)
OOT LOW AND UNABLE TO ADJUST	END FAIL	N/A	R4, R8, R7, (R10, C5, Q1)

FORM CONTROLS

Save

Save and Close

Close Without Saving

Delete

Log Entry Key 20221127225816
Computer ID desktop-jti13j1
User ID nolan
Date Time 20221128005745
PDF C:\Repos\miniPCB\EAGLE\miniPCB\04\B\04B-005\TESTbase\Tests\PDFs\T4.pdf