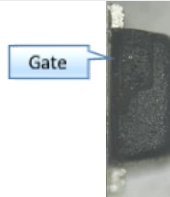




• **Table 1 :Change Information**

Change category	Package	From (Existing)	Change to (New)
		SOT-523	SOT-523
<b>Lead Frame (Option 1)</b>	Supplier	LeFram Technology Corp.	JIH LIN TECHNOLOGY CO., LTD
	Material	Alloy 42	Copper
	Pcs/strip	768 pcs	1536 pcs
<b>Appearance</b>	Top view		
	Back view		
	Side view		
<b>Molding Compound</b>	Supplier	E'dale Technology Co., LTD.	SUMITOMO BAKELITE COMPANY LIMITED
	Type	ELER-8-500C-4	EME-G600FL
<b>Process</b>	De-flash	Electrolytic De-flash	Chemical De-flash
	Plating	Rack Plating	Strip Plating

• **Verification /Qualification Data:**

The electrical characterization and high reliability testing have been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. There will be no change to the Form, Fit, or Function of products affected.

• **Affected Product Type :**

Function	Schottky	MOSFET	Transistors	ESD Protection
Type	BAT54TB-AU	PJE138K-AU	MMBT2222ATB-AU	PJE5V0U8TB-AU
	BAT54CTB-AU			

• **Effective Date : 18<sup>th</sup> September, 2022**

➤ **The reliability test results are summarized below:**

Product reliability test result: PASS

No.	DESCRIPTION	TEST CONDITION	DURATION	FAILURE RATE	
1	High Temperature Reverse Bias (HTRB)	Ta= 150°C , VR=100%VB, DC supply	1000 HOURS	0/77 PCS	3 LOTS PASS
2	Temperature Cycling (TCT)	Ta = -55°C~ +150°C ( 2 cycles / Hour )	1000 CYCLES	0/77 PCS	3 LOTS PASS
3	Autoclave (AC)	Ta = 121°C, P = 29.7psia ,100%RH	96 HOURS	0/77 PCS	3 LOTS PASS
4	High Humidity High Temp. Reverse Bias(H3TRB)	TA=85°C +/-2°C RH=85%+/-5% VR=80%VB DC Supply	1000 HOURS	0/77 PCS	3 LOTS PASS
5	Intermittent Forward Operation Life (I.O.L)	$\Delta T_j \geq 100^\circ\text{C}$ , Power On: 2 mins ; Power Off: 2 mins.	15000 CYCLES	0/77 PCS	3 LOTS PASS
6	Resistance to Solder Heat (RSH)	Temperature of solder pot = 260+5/-0°C Time for dipping in solder = 10 ±1 Sec	1 CYCLE	0/30 PCS	3 LOTS PASS
7	Solder ability (SD)	Temperature of solder pot = 245 ±5°C Time for dipping in solder = 5 ±0.5 Sec	1 CYCLE	0/10 PCS	3 LOTS PASS

• **ELECTRICAL CHARACTERISTICS SUMMARY:**

There is no change to the product electrical specifications.

• **SAMPLES NEED :**

Contact your local PANJIT sales representative.

• **TECHNICAL CONTACT :**

E-mail: alanliu@panjit.com.tw

• **FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local PANJIT sales representative.

• **ADDITIONAL RELIABILITY :**

Contact your local PANJIT sales representative.

• **CHANGED PART IDENTIFICATION :**

The tracking of 1<sup>st</sup> delivery after change can be identified by production lot number. Please contact your local sales for tracking lot number.

Please refer to below Lot number rule:

Lot number: **2924XXXXX**.

1st digit "2" denotes Year 2022.

2nd digit "9" denotes September.

3rd and 4th digits denote Day.

From 5<sup>th</sup> digits (XXXXX) denotes production serial number.



## Customer Acknowledgement Form

(To be filled out by the customer and returned to HQBU of PANJIT)

The indicated Customer Notification letter was received and acknowledged by the undersigned authority.

Company Name : \_\_\_\_\_

Customer Name : \_\_\_\_\_ (Signature) Date: \_\_\_\_\_

PCN number: PCN# 2203005-AU

Approval for the Product/Process change: Yes No

Comments/Additional requests:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Thanks for your attention on this matter. Please return the acknowledgment form to your local PANJIT sales representative.

Please note that no objection within 30 days upon receiving will be deemed as being accepted and agreed with this Process Change Notification.