

• **Change Information**

Table 1

| Wafer Supplier | From (Existing) | | Change to (New) | |
|-----------------------|----------------------------|-----|-----------------|-----|
| | PYNMAX Technology CO., LTD | | | |
| Wafer Diameter (inch) | 6" | 5" | 6" | 5" |
| Die Size(mil) | 10.2 | 11 | 10.2 | 11 |
| Die Thickness(μm) | 150 | 230 | 150 | 150 |

Table 2

| Wafer Supplier | Current | Add |
|-----------------------|----------------------------|-----|
| | PYNMAX Technology CO., LTD | |
| Wafer Diameter (inch) | 6" | 5" |

• **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**

Table 1

| FUNCTION : SCHOTTKY | | | | | | |
|---------------------|----------|----------|----------|-----------|----------|---------|
| PRODUCT TYPE | BAT54A | BAT54C | BAT54S | BAT54 | BAT54AW | BAT54CW |
| | BAT54SW | BAT54W | BAT54ADW | BAT54BRW | BAT54CDW | BAT54DW |
| | BAT54SDW | BAT54TWP | BAT54TW | PJ4L40 | BAT42W | BAT43W |
| | BAT42WS | BAT43WS | BAT54WS | RB500V-40 | | |

Table 2

| FUNCTION : SCHOTTKY | | | | | | |
|---------------------|----------|----------|----------|-----------|----------|----------|
| PRODUCT TYPE | SS1020FL | SS1030FL | SS1040FL | SK13F | SK14F | SR32F |
| | SR34F | BR310F | BR38F | SB12AFC | SB13AFC | SB14AFC |
| | SB32AFC | SB33AFC | SB34AFC | MBR310AFC | MBR38AFC | MBR39AFC |

• **Effective Date : 26th July, 2022**

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

Product reliability test result: PASS

| No. | DESCRIPTION | TEST CONDITION | DURATION | FAILURE RATE | |
|-----|---|---|--------------|--------------|-------------|
| 1 | Temperature Cycling (T.C.T) | Ta = -55°C(10min)~ +150°C(10min) | 1000 CYCLES | 0/77 PCS | 3 LOTS PASS |
| 2 | High Temperature Storage Test (HTSL) | Ta= 150°C | 1000 HOURS | 0/77 PCS | 3 LOTS PASS |
| 3 | 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 |
| 4 | Intermittent Forward Operation Life(IFOL) | I=1.0 x IF±10% DC supply On time: 2 mins at least Off time: 2 mins at least | 15000 CYCLES | 0/77 PCS | 3 LOTS PASS |
| 5 | High Temperature Reverse Bias (HTRB) | Ta= 100°C , VR=100%VB, DC supply | 1000 HOURS | 0/77 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 1st 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 5th 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# 2204004

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.