

## PRODUCT / PROCESS CHANGE NOTIFICATION

### Generic Copy

**PCN#2206001**

• DATE: 27<sup>th</sup> June, 2022

**PCN Subject:** Additional assembly site for package SMAF-C

• **PCN Change Category:**

- Material**                       **Process**                       **Datasheet/Specification**  
 **Reliability**  
 **Others (      Additional assembly site      )**

• **Description of Change Purpose or Reason:**

This PCN is being issued to notify customers that in order to strengthen supply chain and assure continuity of supply, PANJIT has qualified internal assembly site "PANJIT Electronics (WUXI) Co., Ltd" for package SMAF-C.

We recommend that you acknowledge receipt of this notification within 30 days of this PCN date. If you require samples for further evaluation, please feel free to contact your local sales representative and make a request. We are always pleased to serve you at any time.

● **Change Information:**

Assembly Site		Current		Add
				PANJIT International Inc.
Production Site Location		Kaohsiung, Taiwan		Wuxi, China
Material	Lead frame	Supplier	LeFram Technology Corp.	Suzhou SH Precision Co., Ltd.
	Solder paste	Supplier	SHENMAO TECHNOLOGY INC.	Heraeus Material Singapore Pte Ltd.
		Type	SH-05X25-203L	RM-218
	Epoxy molding compound	Supplier	E'dale Technology Co., Ltd.	Sumitomo Bakelite (Suzhou) Co., Ltd.
		Type	ELER-8-500C	G630AY-H
	Method	Process	Manufacturing Site	PANJIT International Inc.
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:** Refer to below Table 1.

● **Effective Date :** 27<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	Temperature Cycling (TCT)	Ta = -55°C ~ +150°C ( 2 cycles / Hour )	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°C Time for dipping in solder = 10 ± 1 Sec	1 CYCLE	0/30 PCS	3 LOTS PASS
4	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
5	Intermittent Forward Operation Life (IFOL)	$\Delta T_j \geq 100^\circ\text{C}$ On time = 120s Off time = 120s	15000 CYCLES	0/77 PCS	3 LOTS PASS
6	Autoclave (AC)	Ta = 121°C, P = 29.7psia, 100%RH	96 HOURS	0/77 PCS	3 LOTS PASS
7	Temperature Humidity Storage (THS)	Ta= 85°C, RH= 85%	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 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.

● **Table 1 : Affected Product Type**

Function: SCHOTTKY					
MBR310AFC	MBR315AFC	MBR320AFC	MBR38AFC	MBR39AFC	MBR3H60AFC
MBR5H60AFC	SB32AFC	SB33AFC	SB34AFC	SB35AFC	SB36AFC
SB52AFC	SB53AFC	SB54AFC	SB56AFC	SBA520AFC	SBA530AFC
SBA540AFC	SBM34VAFC	SBM36VAFC	SBM54ALAFC	SBM56LAFC	SBT510VAFC
SBT55LAFC	STR5100AFC	SX34F			
Function: General Purpose Rectifiers					
GS1GAFC	GS1JAFC	GS1KAFC	GS1MAFC	GS2GAFC	GS2JAFC
GS2KAFC	GS2MAFC				
Function: Fast Recovery Rectifiers					
FR1AAFC	FR1BAFC	FR1DAFC	FR1GAFC	FR1JAFC	FR1KAFC
FR1MAFC	FR2AAFC	FR2BAFC	FR2DAFC	FR2GAFC	FR2JAFC
Function: Ultra Fast Recovery Rectifiers					
US1AAFC	US1BAFC	US1DAFC	US1GAFC	US1JAFC	US1KAFC
US1MAFC					
Function: Super Fast Recovery Rectifiers					
ER1AAFC	ER1BAFC	ER1CAFC	ER1DAFC	ER1EAFC	ER1GAFC
ER1JAFC	ERT1AAFC	ERT1BAFC	ERT1CAFC	ERT1DAFC	ERT1EAFC
ERT1GAFC	ERT2AAFC	ERT2BAFC	ERT2CAFC	ERT2DAFC	ERT2EAFC
ERT2GAFC	EST1DF	MSR2DAFC			
Function: Transient Voltage Suppressors					
P4AFC100AS	P4AFC10AS	P4AFC110AS	P4AFC11AS	P4AFC120AS	P4AFC12AS
P4AFC130AS	P4AFC13AS	P4AFC14AS	P4AFC150AS	P4AFC15AS	P4AFC160AS
P4AFC16AS	P4AFC170AS	P4AFC17AS	P4AFC180AS	P4AFC18AS	P4AFC190AS
P4AFC200AS	P4AFC20AS	P4AFC220AS	P4AFC22AS	P4AFC24AS	P4AFC26AS
P4AFC28AS	P4AFC3.3AS	P4AFC30AS	P4AFC33AS	P4AFC36AS	P4AFC40AS
P4AFC43AS	P4AFC45AS	P4AFC48AS	P4AFC5.0AS	P4AFC51AS	P4AFC54AS
P4AFC58AS	P4AFC6.0AS	P4AFC6.5AS	P4AFC60AS	P4AFC64AS	P4AFC7.0AS
P4AFC7.5AS	P4AFC70AS	P4AFC75AS	P4AFC78AS	P4AFC8.0AS	P4AFC8.5AS
P4AFC85AS	P4AFC9.0AS	P4AFC90AS	P6AFC10A	P6AFC11A	P6AFC12A
P6AFC13A	P6AFC14A	P6AFC15A	P6AFC16A	P6AFC17A	P6AFC18A
P6AFC20A	P6AFC22A	P6AFC24A	P6AFC26A	P6AFC28A	P6AFC3.3A
P6AFC30A	P6AFC33A	P6AFC36A	P6AFC40A	P6AFC43A	P6AFC45A
P6AFC48A	P6AFC5.0A	P6AFC5.0AS	P6AFC51A	P6AFC54A	P6AFC58A
P6AFC6.0A	P6AFC6.0AS	P6AFC6.5A	P6AFC6.5AS	P6AFC60A	P6AFC64A
P6AFC7.0A	P6AFC7.0AS	P6AFC7.5A	P6AFC7.5AS	P6AFC8.0A	P6AFC8.0AS
P6AFC8.5A	P6AFC9.0A				



## 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#2206001

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.