



● **Change information**

Wafer Supplier	Current		Add
	Potens Semiconductor Corp.	M-MOS Semiconductor Hong Kong Limited.	M-MOS Semiconductor Hong Kong Limited.
Die Size(mil)	25.6*19.7	28.7*20.5	22.8*19.1
Die Thickness(μm)	152.0	140.0	140.0
Wire Diameter(mil)	Cu 1.5	Cu 1.5	Cu 1.2
Wire Quantity	4	5	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 :**

FUNCTION: MOSFET						
PACKAGE	SOT-323	SOT-523	SOT-23	SOT23-6L	SOT-363	SOP-8
PRODUCT	PJC7407	PJE8401	PJA3413	PJS6413	PJT7413	PJL9423
TYPE			PJA3453			

• **Effective Date : 2<sup>nd</sup> June, 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/-0°C Time for dipping in solder = 10 ±1 Sec	1 CYCLE	0/30 PCS	3 LOTS PASS
4	High Temperature Reverse Bias (HTRB)	Ta = 140°C , VR=80%VB, DC supply	1000 HOURS	0/77 PCS	3 LOTS PASS
5	High Temperature Gate Bias (HTGB)	Tj ≤ Tj max VGS=80%VGS 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 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

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(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# 2203001

Approval for the Product/Process change: Yes No

Comments/Additional requests:

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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.

Customer	End customer	PANJIT part number	TYPE	PACKAGE	FUNCTION
PANJIT AMERICAS, INC.	DIGI-KEY ELECTRONICS	PJA3413_R1_00001	PJA3413	SOT-23	MOSFET