

PRODUCT / PROCESS CHANGE NOTIFICATION Generic Copy

	PCN#22060	• DATE: 28 th June, 2022		
PCN Subject: Additional wafer source for MOSFET products				
PCN Change Catego	ory:			
Material	Process	Datasheet/Specification		
Reliability				
Others ()		

• Description of Change Purpose or Reason:

This PCN is being issued to notify customers that in order to assure continuity of supply, PANJIT has qualified additional wafer source "Leadpower-semi CO., LTD." for selected devices of MOSFET products. For more detail, please refer to below change information.

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

Comparison	Current	Add		
Wafer Supplier	Potens Semiconductor Corp.	Leadpower-semi CO., LTD.		
Wafer Foundry	Powerchip Semiconductor Manufacturing Corp.	Vanguard International Semiconductor Corporation		
Die Size (mil)	12.6*11.4	12.6*12.6		
Die Thickness (µm)	152.4	101.6		

• 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				
PRODUCT TYPE	PJA3426	PJC7416	PJE8416B	PJE8416
	PJQ1820	PJQ1860	PJQ1916	

• Effective Date : 28th September, 2022



The reliability test results are summarized below:

Product reliability test result: PASS

	-				
No.	DESCRIPTION	TEST CONDITION	DURATION FAILURE RATE		RE RATE
1	Temperature Cycling (TCT)	Ta = -55°C~ +150°C(2 cycles / Hour)	1000 CYCLES	0/77 PCS	2 LOTS PASS
2	Resistance to Solder Heat (RSH)	Temperature of solder pot = $260+5/-0^{\circ}C$ Time for dipping in solder = 10 ± 1 Sec	1 CYCLE	0/30 PCS	2 LOTS PASS
3	High Temperature Reverse Bias (HTRB)	Ta=150℃,VR=80%VB, DC supply	1000 HOURS	0/77 PCS	2 LOTS PASS
4	High Temperature Gate Bias (HTGB)	Tj≦Tj max VGS=80%VGS DC supply	1000 HOURS	0/77 PCS	2 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: 2924XXXX.

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# 2206004

Approval for the	Product/Process	change.		
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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.

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