

PRODUCT / PROCESS CHANGE NOTIFICATION Generic Copy

 PCN#2204001
 • DATE: 13th April, 2022

 PCN Subject: Additional wafer source for MOSFET products

 • PCN Change Category:

 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

Wafer Supplier	Current	Add
	MOTION SEMICONDUCTOR CORP.	Leadpower-semi CO., LTD.
Die Size(mil)	41.5*26.8	39.4*27.6
Die Thickness(µm)	140±10	152±15

• 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 PJA3415AE

PJA3415AE-TK

• Effective Date : 13th July, 2022



> The reliability test results are summarized below:

Product reliability test result: PASS DESCRIPTION No. **TEST CONDITION** DURATION FAILURE RATE Temperature 1000 0/77 2 LOTS Ta = $-55^{\circ}C \sim +150^{\circ}C$ (2 cycles / Hour) 1 Cycling (TCT) CYCLES PCS PASS Resistance to Solder Temperature of solder pot = 260+5/-0°C 0/30 2 LOTS 2 1 CYCLE Heat (RSH) PCS PASS Time for dipping in solder $= 10 \pm 1$ Sec $Ta\!=\!150^\circ\!\mathrm{C}$, VR=80%VB, **High Temperature** 1000 0/77 2 LOTS 3 Reverse Bias (HTRB) HOURS PCS PASS DC supply High Temperature Gate 0/77 2 LOTS $T_j \leq T_j max$ 1000 4 Bias (HTGB) VGS=100%VGS DC supply HOURS PCS 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.



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Customer Acknowledgement Form

(To be filled out by the customer and returned to HQBU of P.	ANJIT)
The indicated Customer Notification letter was received and acknowledged authority.	by the undersigned
Company Name :	
Customer Name :(Signature) Date:	
PCN number: PCN# 2204001	-
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.