



Final Product/Process Change Notification

Document #: FPCN23907Y

Issue Date: 30 Jun 2022

Title of Change:	J-Series Solder Resist Change.	
Proposed First Ship date:	28 Dec 2022 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Deborah.Herbert@onsemi.com	
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Additional Reliability Data:	Contact your local onsemi Sales Office or Daniel.O'Keeffe@onsemi.com	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	No marking - traceability will be lot date code	
Change Category:	Wafer Fab Change	
Change Sub-Category(s):	Manufacturing Process Change	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	Japan Semiconductor (JSC)	
Description and Purpose:		
The solder resist material on the back of the TSV package is being changed. The change will be visible via the color of the SR material, but it will not affect performance.		
	Before Change Description	After Change Description
Solder Resist Material	Model: SS-0300 Type: IR Cut Thickness: 23 μ m	Model: WPR-1203 Type: Non-IR Cut Thickness: 11.5 μ m
There is no product marking change as a result of this change.		



Final Product/Process Change Notification

Document #: FPCN23907Y

Issue Date: 30 Jun 2022

Reliability Data Summary:

QV DEVICE NAME : MICROFJ-60035-TSV-TR

RMS : 83352

PACKAGE : TSV

Test	Specification	Condition	Result
HTRB	JESD22-A108	Ta = <u>85</u> °C, 100 % max rated Vcc, 1000hrs	0/96
PC	J-STD-020, JESD-A113	MSL 3 @ 245 °C	0/96
HTSL	JESD22-A103	Ta= <u>125</u> °C, 264hr	0/96
TC	JESD22-A104	Ta= <u>-40</u> °C to <u>+85</u> °C, 500cyc	0/96
RSH	JESD22-B106	Ta = 265 °C, 10 sec	0/96
PV	Datasheet	Parametric Verification	PASS

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

Part Number	Qualification Vehicle
ARRAYJ-60035-4P-PCB	MICROFJ-60035-TSV-TR
ARRAYJ-30035-64P-PCB	MICROFJ-60035-TSV-TR
ARRAYJ-30035-16P-PCB	MICROFJ-60035-TSV-TR
ARRAYJ-40035-64P-PCB	MICROFJ-60035-TSV-TR
ARRAYJ-60035-64P-PCB	MICROFJ-60035-TSV-TR
ARRAYJ-60035-4P-BGA	MICROFJ-60035-TSV-TR
MICROFJ-60035-TSV-TR1	MICROFJ-60035-TSV-TR
MICROFJ-60035-TSV-TR	MICROFJ-60035-TSV-TR
MICROFJ-40035-TSV-TR1	MICROFJ-60035-TSV-TR
MICROFJ-40035-TSV-TR	MICROFJ-60035-TSV-TR
MICROFJ-30035-TSV-TR1	MICROFJ-60035-TSV-TR
MICROFJ-30035-TSV-TR	MICROFJ-60035-TSV-TR