

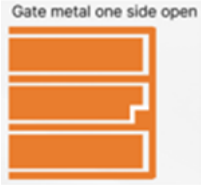


Final Product/Process Change Notification

Document #:FPCN26917X

Issue Date:16 Apr 2026

Title of Change:	Additional Wafer Fabrication Site and Metal Design Change for T10 80-Volt MOSFET in S08FL Package at East Fishkill, New York, United States	
Proposed First Ship date:	23 Jul 2026 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office	
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	
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:	Changed material can be identified by assembly plant code	
Change Category:	Test Change, Wafer Fab Change	
Change Sub-Category(s):	Addition of 12-inch wafers from EFK, Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Aizu, Japan	None	
onsemi Seremban, Malaysia		
onsemi, East Fishkill		
Description and Purpose:		
onsemi wishes to inform customers of its intention to implement an additional wafer fabrication facility at East Fishkill, New York, United States for T10 80-Volt MOSFET technology, along with a metal design enhancement for a specific device in the S08FL package.		
This Final Product/Process Change Notification confirms the qualification and release of an additional wafer fabrication site using 300-millimeter wafers, in addition to existing 200-millimeter wafer production, to support capacity expansion and manufacturing flexibility.		
The change also includes a metal design update for one affected part number.		
There are no changes to part numbers, form, fit, or electrical characteristics.		
	Before	After
Wafer fabrication site	onsemi Aizu, Japan	onsemi Aizu, Japan onsemi East Fishkill ,US
Wafer size	200mm	200mm 300mm
Wafer probe site	onsemi Seremban, Malaysia	onsemi Seremban, Malaysia onsemi East Fishkill ,US
Backgrind Backmetal site	onsemi Seremban, Malaysia	onsemi Seremban, Malaysia onsemi East Fishkill ,US

Metal design change	Gate metal one side open	Gate metal all around
Metal Design	Gate metal one side open (WA00ST-FPB1-FAB) 	Gate Metal all around. (WB00ST-FPB1-FAB) 

QV DEVICE NAME NVMFWS1D5N08XT1G RMS: 104680 PACKAGE: S08FL				
Test	Specification	Condition	Interval	Results
High Temperature Reverse Bias	JESD22-A108	Ta=175°C, 100% max rated V	1008 hrs	0/231
High Temperature Gate Bias	JESD22-A108	Ta=175°C, 100% max rated Vgss	1008 hrs	0/231
High Temperature Storage Life	JESD22-A103	Ta= 175	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260°C		0/231
Intermittent Operating Life	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/231
Temperature Cycling	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231

Electrical Characteristics Summary: Electrical characteristics are not impacted.
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List of Affected Parts: <i>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 <u>PCN Customized Portal</u>.</i>
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Current Part Number	New Part Number	Qualification Vehicle
NTMFWS1D5N08XT1G	#NONE	NVMFWS1D5N08XT1G

PCN Product List Addendum for:

Customer Contact Name: Premier Farnell Dropbox

Customer Contact Email: productchangenotices@newark.com



Appendix A: Changed Products

PCN#: FPCN26917X
Issue Date: Apr 16, 2026

NWKC: PREMIER FARNELL

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NTMFWS1D5N08XT1G	4305075	NVMFWS1D5N08XT1G	#NONE	