



Final Product/Process Change Notification

Document #:FPCN27151X

Issue Date:08 Jul 2026

Title of Change:	Additional Site Qualification for K2 Product Line at Tarlac, Philippines; combined with metal mask design tune at Gresham Fab		
Proposed First Ship date:	15 Oct 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 will be identified by date code		
Change Category:	Assembly Change, Wafer Fab Change		
Change Sub-Category(s):	Manufacturing Site Addition, Metal Mask design tune		
Sites Affected:			
onsemi Sites		External Foundry/Subcon Sites	
onsemi Tarlac, Philippines		None	
onsemi, Gresham United States			
Description and Purpose:			
onsemi wishes to inform customers that the onsemi Tarlac, Philippines site has been qualified as an additional assembly site for the K2 product line in the QFN16 package, establishing a dual-source setup with the existing UTAC site. The onsemi Tarlac, Philippines facility will use a different die attach epoxy and mold compound. This change will also include a metal mask design change for product tuning.			
	Before Change Description	After Change Description	
Fab Design Tune; metal mask set	G0A07YN-JOYN	G0B07YN-JOYN	G0B07YN-JOYN
Assembly	UTAC	UTAC	OSPI-Tarlac
Die Attach Epoxy	ATROX 558-2C31	NO CHANGE	8600
Molding Compound	G700LTD HF	NO CHANGE	EME-G770HMD
Note: There is no product marking change, and product traceability will be maintained by lot and date code and test will remain at existing qualified site.			



Final Product/Process Change Notification

Document #:FPCN27151X

Issue Date:08 Jul 2026

Reliability Data Summary:

QV DEVICE: NCS37014MNTWG

RMS: 071143 / 085447

PACKAGE: QFN16

Test	Specification	Condition	Interval	Results
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 3 @ 260 °C	-	0/693
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	500 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

QV DEVICE: NCS37017MNTWG

RMS: B83579

PACKAGE: QFN16

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/231
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/231

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**](#).

Current Part Number	New Part Number	Qualification Vehicle
NCS37021MNTWG	#NONE	NCS37017MNTWG