

Title of Change:	SUPPLY RESILIENCY: Qualification of onsemi Cebu, Philippines, as an additional turnkey site for PQFN56W devices.
Effective date:	24 Sep 2026
Contact information:	Contact your local onsemi Sales Office
Type of notification:	This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin.
Change Category:	Assembly Change
Change Sub-Category(s):	Manufacturing Site Addition

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
onsemi Cebu, Philippines	None

Description and Purpose:

We are issuing this Product Bulletin to notify customers of the addition of a new manufacturing site as part of onsemi Supply Resiliency Initiatives.

To strengthen supply chain resilience and improve operational flexibility, onsemi is introducing the PQFN56 Wired Package with an alternative assembly and test location.

The original part numbers remain unchanged and active, while the new part numbers maintain original specifications and performance, with site-specific changes.

Electrical performance and characteristics remain unaffected, and both qualified sites will be utilized to meet customer demand.

This move enables dual sourcing for strategic packages currently sole-sourced and helps establish capability to strengthen supply chain flexibility and reduce risk.

If you are interested in receiving material from another source, please reach your local salesperson.

	Original Part Numbers	Additional New Part Numbers
Assembly and Test Site	GEM, China	onsemi Cebu, Philippines
Product Marking Change	GEM marking 	Cebu marking 
Part number Change	Original Part Number	Original Part Number with suffix “—NC”

Reliability Data Summary:

DEVICE NAME: FDMS3662N

RMS: F94806

PACKAGE: PQFN56

Test	Specification	Condition	Interval	Results
High Temperature Reverse Bias	JESD22-A108	Ta=150°C, 100% max rated V	1008 hrs	0/77
High Temperature Gate Bias	JESD22-A108	Ta=100°C, 100% max rated Vgss	1008 hrs	0/77
High Temperature Storage Life	JESD22-A103	Ta= 175C	1008 hrs	077
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre IOL, TC, uHAST, HAST for surface mount pkgs only		0/308
Intermittent Operating Life	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/77
Temperature Cycling	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/77
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/77
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
Solderability	JSTD002	Ta = 245°C, 5 sec		0/ 15
Physical Dimensions	JESD22-B120			PASS

Electrical Characteristic 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
FDMS86322	FDMS86322-NC	FDMS3662N
FDMS86101-TE	FDMS86101-TE-NC	FDMS3662N
FDMS86101-SN00235	FDMS86101-SN00235-NC	FDMS3662N
FDMS86101-SN00155	FDMS86101-SN00155-NC	FDMS3662N
FDMS6681Z-P	FDMS6681Z-P-NC	FDMS3662N
FDMS86101	FDMS86101-NC	FDMS3662N
FDMS86101A	FDMS86101A-NC	FDMS3662N
FDMS5352	FDMS5352-NC	FDMS3662N
FDMS3662	FDMS3662-NC	FDMS3662N