



Final Product/Process Change Notification

Document #:FPCN25817ZA

Issue Date:08 Jul 2026

Title of Change:	Qualification of mold compound second source GR30 at onsemi Suzhou, China for TO247 devices.	
Proposed Changed Material First Ship Date:	15 Jan 2027 or earlier if approved by customer	
Current Material Last Order Date:	N/A <i>Orders received after the Current Material Last Order Date expiration are to be considered as orders for new changed material as described in this PCN. Orders for current (unchanged) material after this date will be per mutual agreement and current material inventory availability.</i>	
Current Material Last Delivery Date:	N/A <i>The Current Material Last Delivery Date may be subject to change based on build and depletion of the current (unchanged) material inventory</i>	
Product Category:	Active components – Discrete components	
Contact information:	Contact your local onsemi Sales Office	
PCN Samples Contact:	Contact your local onsemi Sales Office to place sample order. Sample requests are to be submitted no later than 45 days after publication of this change notification. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Sample Availability Date:	31 Jul 2026	
PPAP Availability Date:	31 Aug 2026	
Additional Reliability Data:	Contact your local onsemi Sales Office	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. The change will be implemented at 'Proposed Change Material First Ship Date' in compliance to J-STD-46 or ZVEI, or earlier upon customer approval, or per our signed agreements. onsemi will consider this proposed change and it's conditions acceptable, unless an inquiry is made in writing within 45 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com	
Change Category		
Category	Type of Change	
Process - Assembly	SEM-PA-11: Change of mold compound / encapsulation material	
Description and Purpose:		
onsemi wishes to inform its customers that we have qualified a new green mold compound, GR30, from the Chinese supplier Hysol as a second source for selected TO247 discrete products manufactured at the onsemi Suzhou, China facility. This qualification will improve supply chain flexibility and support continuity of supply.		
	Before Change Description	After Change Description
Mold Compound	EME 6600CS	EME 6600CS & GR30
All other aspects of the impacted products (form, fit, function) will remain unchanged. There is no product marking change because of this change. There are no changes in product electrical specifications.		



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Reason / Motivation for Change:	Process/Materials Change			
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by onsemi in relation to the PCN, associated risks are verified and excluded. No anticipated impacts.			
Sites Affected:				
onsemi Sites		External Foundry/Subcon Sites		
onsemi Suzhou, China		None		
Marking of Parts/ Traceability of Change:	Changed material will be identified by lot code.			
Reliability Data Summary: QV DEVICE NAME: AFGHL75T65SQDT PACKAGE: TO-247 RMS: U89264/S89595/U91777				
Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= _175°C, 100% max rated V	1008hrs	0/231
HTGB	JESD22-A108	Tj=175°C, 100% max rated Vge	1008hrs	0/231
HTSL	JESD22-A103	Ta= 175°C	1008hrs	0/231
TC	JESD22-A104	Ta= -55°C to +150°C	1000cyccs	0/231
HAST	JESD22-A110	Temp = 130°C, 85% RH, ~ 18.8 psig, bias	96hrs	0/231
UHAST	JESD22-A118	Temp = 130°C, RH=85%, ~ 18.8 psig, unbiased	96hrs	0/231
IOL	MIL STD750, M 1037	Ta=+25°C, delta Tj=100°C max, 5 min= Ton=Toff	6000cyccs	0/231
RSH	JESD22-B106	Ta=265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 5 sec		0/45
Note AEC -1pager is attached. <i>To view attachments:</i> 1. Download pdf copy of the PCN to your computer 2. Open the downloaded pdf copy of the PCN 3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field 4. Then click on the attached file.				
Electrical Characteristics Summary: Electrical characteristics are not impacted.				



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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
FGH40N60SMD-F085	#NONE	AFGHL75T65SQDT
AFGHL50T65SQDC	#NONE	AFGHL75T65SQDT
AFGHL50T65SQD	#NONE	AFGHL75T65SQDT
AFGHL50T65SQ	#NONE	AFGHL75T65SQDT
AFGHL40T65SPD	#NONE	AFGHL75T65SQDT

PCN Product List Addendum for:

Customer Contact Name: Premier Farnell Dropbox

Customer Contact Email: productchangenotices@newark.com

Appendix A: Changed Products

PCN#: FPCN25817ZA
Issue Date: Jul 08, 2026

NWKC: PREMIER FARNELL

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
AFGHL40T65SPD	2981066	AFGHL75T65SQDT	#NONE	
AFGHL50T65SQDC	3236740	AFGHL75T65SQDT	#NONE	
AFGHL50T65SQD	3463932	AFGHL75T65SQDT	#NONE	

