



Final Product/Process Change Notification

Document #:FPCN26958X

Issue Date:11 Aug 2026

Title of Change:	Assembly and Test Transfer from AUK Corporation, Korea to onsemi Seremban, Malaysia for SOT-223 product	
Proposed First Ship date:	18 Nov 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:	Lot traceability will be identified by Assembly code	
Change Category:	Assembly Change, Test Change	
Change Sub-Category(s):	Manufacturing Site Transfer	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Seremban, Malaysia	AUK Corporation, Korea	
Description and Purpose: onsemi wishes to inform customers of the transfer of the Assembly and Test site for FQT1N80TF-WS from AUK Corporation, Korea to onsemi Seremban, Malaysia. The BOM changes in detail as per table below.		
	Before Change Description	After Change Description
Assembly & Test Site	AUK Corporation, Korea	onsemi Seremban, Malaysia
LeadFrame	SOT223 4L PMC90	4L X Cu Alloy 194HH
Die Attach	Pb93.5Sn5Ag1.5	PbSn2Ag2.5 (Soft Solder)
Mold compound	NEPES LMC400SRM	SUMITOMO G700HF
Wire	Au 1.5 mil	PCC 1.5 mil
Case outline	318H-01	318E-04
There is no product marking change as a result of this change		



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Reliability Data Summary:

QV DEVICE NAME: FQT1N80TF-WS

RMS: U106372, S107006, S107661

PACKAGE: SOT-223-4

Test	Specification	Condition	Interval	Results
High Temperature Reverse Bias	JESD22-A108	Ta= 150°C, 100% max rated V	1008 hrs	0/231
High Temperature Gate Bias	JESD22-A108	Ta=150°C, 100% max rated Vgss	1008 hrs	0/231
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre IOL, TC, uHAST, HAST for surface mount pkgs only		0/924
Intermittent Operating Life	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = __ 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
Resistance to Solder Heat	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/10
Solderability	JSTD002	Ta = 245°C, 5 sec		0/ 15
Physical Dimensions	JESD22-B120			

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
FQT1N80TF-WS	#NONE	FQT1N80TF-WS

PCN Product List Addendum for:

Customer Contact Name: Premier Farnell Dropbox

Customer Contact Email: productchangenotices@newark.com



Appendix A: Changed Products

PCN#: FPCN26958X
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NWKC: PREMIER FARNELL

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FQT1N80TF-WS	2453913	FQT1N80TF-WS	#NONE	