



TEM001794 Rev. G

Reason / Motivation for Change:	Supply disruption			
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	<p>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.</p> <p>No anticipated impacts.</p>			
Sites Affected:				
onsemi Sites			External Foundry/Subcon Sites	
onsemi Roznov, Czech Republic			None	
onsemi, ISMF Malaysia				
Marking of Parts/ Traceability of Change:	Changed material can be identified by lot code			
Reliability Data Summary: QV DEVICE NAME: FQD18N20V2TM (6-QFET) RMS: U90867 PACKAGE: DPAK				
Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 150°C, 80% max rated V	1008 hrs	0/231
HTGB	JESD22-A108	Tj= 150°C, 100% max rated Vgss	1008 hrs	0/240
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC, uHAST, HAST for surface mount pkgs only	-	-
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
NOTE: AEC 1 Pager 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.				



Final Product/Process Change Notification

Document #:FPCN24561ZE

Issue Date:22 Dec 2023

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
FQD8P10TM-F085	NA	FQD18N20V2TM
FQB34P10TM-F085	NA	FQD18N20V2TM

Appendix A: Changed Products

PCN#: FPCN24561ZE
Issue Date: Dec 22, 2023

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FQD8P10TM-F085		FQD18N20V2TM	NA	
FQB34P10TM-F085		FQD18N20V2TM	NA	