



Product Change Notification / RMES-05HBQX819

Date:

06-Nov-2020

Product Category:

Power Discrete Components

PCN Type:

Manufacturing Change

Notification Subject:

Memo # ML112020001S Final Notice: Implement VDS(ON) specifications parameter change for selected RF MOSFET (VDMOS) VRF2933, VRF2944, VRF154FL, VRF157FL, VRF161 device families.

Affected CPNs:

[RMES-05HBQX819_Affected_CPN_11062020.pdf](#)

[RMES-05HBQX819_Affected_CPN_11062020.csv](#)

Notification Text:

PCN Status: Final notification

PCN Type: Manufacturing Change

Microchip Parts Affected: Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

Description of Change: Implement VDS(ON) specifications parameter change for selected RF MOSFET (VDMOS) VRF2933, VRF2944, VRF154FL, VRF157FL, VRF161 device families.

Pre Change:

See table summary/comparison below

Post Change:

See table summary/comparison below

Pre and Post Change Summary: Below are the $V_{DS(ON)}$ specification changes for affected products. Efforts are underway to reduce $V_{DS(ON)}$ to the previous limits by the middle of calendar year 2021.

	Pre Change		Post Change	
Affected Part Numbers	$V_{DS(ON)}$ Typical [V]	$V_{DS(ON)}$ Maximum [V]	$V_{DS(ON)}$ Typical [V]	$V_{DS(ON)}$ Maximum [V]
VRF2933 VRF2933MP	1.8	2.4	2.1	2.7
VRF2944 VRF2944MP	1.7	2.1	2.0	2.4
VRF154FL VRF154FLMP	3.0	5.0	3.7	5.7
VRF157FL VRF157FLMP	3.0	5.0	3.7	5.7
VRF161 VRF161MP	1.7	2.0	2.0	2.3

Impacts to Data Sheet: Yes

Note: Microchip will issue separate PCN for datasheet update.

Change Impact: None

Reason for Change: To increase productivity with transfer to new wafer foundry

Change Implementation Status: In progress

Estimated First Ship Date: November 17, 2020 (date code: 2047)

NOTE: The estimated first ship date is the earliest date that we may ship products from the new wafer foundry with the changes listed in this PCN. After the estimated first ship date, these changes may occur to any affected product over the course of many weeks depending on inventory levels and business conditions.

Time Table Summary:

	November 2020
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Workweek	45	46	47	48	49
Final PCN Issue Date	X				
Estimated Implementation Date			X		

Method to Identify Change: Traceability code

Qualification Report: Not applicable

Revision History: November 06, 2020: Issued final notification. Added estimated first ship date by November 17, 2020.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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