



Customer Information Notification

2022010111 : GD3100 Data Sheet Rev 12.0 (New Orderable Part Numbers and Technical Clarifications)

Note: This notice is NXP Company Proprietary.

Issue Date: Feb 05, 2022 **Effective date:**Feb 06, 2022

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Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Location	<input type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware	<input checked="" type="checkbox"/> Other: Data Sheet Update (New Orderable Part Numbers and Technical Clarifications)			

PCN Overview

Description

NXP Semiconductors announces the data sheet update to revision 12.0 for the GD3100 devices associated with this notification. The updated data sheet introduces new part numbers linked to 800V package capability. The revision history included in the updated document provides a detailed description of the changes. Changes are summarized below.

Data Sheet Revision 12.0 Changes:

- Table 1: added new part numbers MGD3100AM58EK and MGD3100AM38EK, and the following columns: External clearance and creepage distance and Material (isolation) group
- Table 7: added new part numbers MGD3100AM58EK and MGD3100AM38EK, and their associated insulation specification values

New GD3100 Data Sheet revision 12.0 may be obtained from the secure Docstore portal:
<https://www.docstore.nxp.com/products?path=/content/docstore/product-hierarchy/Power-train-and-electrification/HV-Gate-Driver/GD3100&folderuuiid=098c098e-94d0-4eae-b212-dfc3fa5e0efa#paging:currentPage=0|paging:number=12>

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02

Reason

The data sheet has been updated to add new orderable part numbers MGD3100AM58EK and MGD3100AM38EK with higher insulation specifications (higher CTI), along with other technical clarifications.

Identification of Affected Products

Product identification does not change

Anticipated Impact on Form, Fit, Function, Reliability or Quality

No Impact on form, fit, function, reliability or quality

Data Sheet Revision

A new datasheet will be issued

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

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NXP Quality Management Team.

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Affected Orderable Part#	12NC
MC33GD3100A3EKR2	935381426518
PC33GD3100A3EK	935391892699
MC33GD3100A3EK	935381426574
PC33GD3100A3EKR2	935391892697
PC33GD3100EK	935312749574
PC33GD3100EKR2	935312749518
MC33GD3100EK	935312748574
MC33GD3100EKR2	935312748518
MGD3100AM38EK	935435404574
MGD3100AM38EKR2	935435404518
MGD3100AM58EK	935435406574
MGD3100AM58EKR2	935435406518
PGD3100AM38EK	935435463699
PGD3100AM38EKR2	935435463697
PGD3100AM58EK	935435465699
PGD3100AM58EKR2	935435465697