



## Product Change Notification / NTDO-07TQPL456

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### Date:

28-Oct-2021

### Product Category:

General Purpose FPGAs, System On Chip FPGAs

### PCN Type:

Manufacturing Change

### Notification Subject:

eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

### Affected CPNs:

[NTDO-07TQPL456\\_Affected\\_CPN\\_10282021.pdf](#)

[NTDO-07TQPL456\\_Affected\\_CPN\\_10282021.csv](#)

### Notification Text:

**PCN Status:** Final notification

**PCN Type:** Manufacturing Change

**Microchip Parts Affected:** Please open one of the files found in the Affected CPNs section.

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

**Description of Change:** Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices..

### Pre and Post Change Summary:

Details	Pre Change	Post Change
Exiting system controller suspend mode	Exiting system controller suspend mode use case was not included in application note AN4153 section 1.3 (previously AC393 section 2.4) "Limiting VDD surge current" of this document.	<i>Addition of</i> Exiting system controller suspend mode use case is added to application note AN4153 section 1.3 (previously AC393 section 2.4) "Limiting VDD surge current" of this document

Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode. It was released June 23<sup>rd</sup>, 2021 and is available for download from the link below:

[https://www.microchip.com/product-change-notifications/Data/NTDO-07TQPL456/Smartfusion2\\_](https://www.microchip.com/product-change-notifications/Data/NTDO-07TQPL456/Smartfusion2_)

**Impacts to Data Sheet:** None

**Change Impact:** None

**Reason for Change:** Release of the updated application note AN4153 section 1.3 "Limiting VDD surge current" which now includes the use case of Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode.

**Change Implementation Status:** Complete

**Estimated Implementation Date:**

June 23, 2021 (date code: 2126)

**Time Table Summary:**

	June 2021					-->	October 2021				
Workweek	23	24	25	26	27		40	41	42	43	44
Final PCN Issue Date											X
Estimated Implementation Date				X							

**Method to Identify Change:** Update to application note AN4153 section 1.3 "Limiting VDD surge current"

**Qualification Report:** Not applicable.

**Revision History:** **October 28, 2021** Issued final notification.

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

### **Attachments:**

[Smartfusion2\\_IGLOO2\\_FPGA\\_VDD\\_surge\\_current\\_when\\_exiting\\_system\\_controller\\_suspend\\_mode.pdf](#)

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

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# Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode

June 23, 2021

## Customer Advisory Notification

Subject : Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode

FPGA BU TRB Approval - 9/22/2021

## Microchip Parts Affected:

- See Appendix A

## Description of Change

- Customers utilizing the system controller suspend mode device feature, where system controller suspend mode is exited any time after the device is operational, are advised to follow the board design guidelines in application note AN4153 section 1.1.1 "Power Supply Decoupling" (previously AC393 section 2.2.1) to avoid potential device brownout conditions. Exiting system controller suspend mode, after the device is operational, can result in a surge current on the device VDD power rail which can lead to device brownout if the VDD power supply decoupling guidelines are not followed. Failing to follow AN4153 section 1.1.1 recommendations can result in device brownout where it is not possible to predict device behavior, as described in application note AN4153 section 1.12 (previously AC393 Section 2.13) "Brownout Detection". System controller suspend mode is exited anytime the JTAG\_TRSTB input goes high after the device is operational.

## Prechange:

- Exiting system controller suspend mode was not a use case included in application note AN4153 section 1.3 (previously AC393 section 2.4) "Limiting VDD surge current".

## Postchange:

- Addition of exiting system controller suspend mode use case is added to application note AN4153 section 1.3 (previously AC393 section 2.4) "Limiting VDD surge current".

## Reason for Change:

- Exiting system controller suspend mode, after the device is operational, can result in a surge current on the device VDD power rail. Application note AN4153 section 1.3 (previously AC393 section 2.4) “Limiting VDD surge current” is updated to include this use case.

## Application Impact

- Customers utilizing the system controller suspend mode device feature, where system controller suspend mode is exited any time after the device is operational, are advised to follow the board design guidelines in application note AN4153 section 1.1.1 "Power Supply Decoupling" (previously AC393 section 2.2.1) to avoid potential device brownout conditions. Failing to follow these recommendations can result in device brownout where it is not possible to predict device behavior, as described in application note AN4153 section 1.12 (previously AC393 Section 2.13) "Brownout Detection".

## Action Required

- **New and ongoing designs:** Customers utilizing the system controller suspend mode device feature, where system controller suspend mode is exited any time after the device is operational, should design their board VDD power to the recommendations in application note AN4153 section 1.1.1 "Power Supply Decoupling" (previously AC393 section 2.2.1) to prevent possible device brownout.
- **Completed designs:**  
No action required for designs not utilizing the system controller suspend mode device feature.  
No action required for designs utilizing this feature, that have successfully completed full system functional hardware testing, including the case of JTAG\_TRSTB pin asserting high after the device is operational, over the entire operating conditions range.  
Designs experiencing device brownout when the JTAG\_TRSTB pin is asserted high after the device is operational, should analyze the PCB VDD power architecture and make appropriate changes to adhere to recommendations in application note AN4153 section 1.1.1 "Power Supply Decoupling" (previously AC393 section 2.2.1).

## Impacts to Datasheet:

None

## Estimated First Ship Date:

N/A

Affected Catalog Part Numbers (CPN)

M2GL010TS-1VFG400  
M2GL010TS-1VFG400I  
M2GL010TS-1VFG400T2  
M2GL010TS-FG484  
M2GL010TS-FG484I  
M2GL010TS-FGG484  
M2GL010TS-FGG484I  
M2GL010TS-VF256  
M2GL010TS-VF256I  
M2GL010TS-VF400  
M2GL010TS-VF400I  
M2GL010TS-VFG256  
M2GL010TS-VFG256I  
M2GL010TS-VFG400  
M2GL010TS-VFG400I  
M2GL025-1FCS325  
M2GL025-1FCS325I  
M2GL025-1FCSG325  
M2GL025-1FCSG325I  
M2GL025-1FG484  
M2GL025-1FG484I  
M2GL025-1FG484IX417  
M2GL025-1FGG484  
M2GL025-1FGG484I  
M2GL025-1FGG484T1  
M2GL025-1FGG484T1X7  
M2GL025-1FGG484X417  
M2GL025-1VF256  
M2GL025-1VF256I  
M2GL025-1VF400  
M2GL025-1VF400I  
M2GL025-1VFG256  
M2GL025-1VFG256I  
M2GL025-1VFG400  
M2GL025-1VFG400I  
M2GL025-FCS325  
M2GL025-FCS325I  
M2GL025-FCSG325  
M2GL025-FCSG325I  
M2GL025-FG484  
M2GL025-FG484I  
M2GL025-FG484IX399  
M2GL025-FG484IX417  
M2GL025-FG484IX456  
M2GL025-FG484X417  
M2GL025-FG484X456

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M2GL025-FGG484

M2GL025-FGG484I

M2GL025-FGG484IX417

M2GL025-FGG484X456

M2GL025-VF256

M2GL025-VF256I

M2GL025-VF256IX417

M2GL025-VF256X456

M2GL025-VF400

M2GL025-VF400I

M2GL025-VF400IX3

M2GL025-VFG256

M2GL025-VFG256I

M2GL025-VFG256X456

M2GL025-VFG400

M2GL025-VFG400I

M2GL025-VFG400IX416

M2GL025-VFG400X456

M2GL025T-1FCS325

M2GL025T-1FCS325I

M2GL025T-1FC3G325

M2GL025T-1FC3G325I

M2GL025T-1FG484

M2GL025T-1FG484I

M2GL025T-1FG484IX417

M2GL025T-1FG484M

M2GL025T-1FG484MX130

M2GL025T-1FG484MX3

M2GL025T-1FG484MX417

M2GL025T-1FG484MX471

M2GL025T-1FG484MX488

M2GL025T-1FG484MX544

M2GL025T-1FGG484

M2GL025T-1FGG484I

M2GL025T-1FGG484IX416

M2GL025T-1FGG484IX417

M2GL025T-1FGG484M

M2GL025T-1VF256

M2GL025T-1VF256I

M2GL025T-1VF400

M2GL025T-1VF400I

M2GL025T-1VFG256

M2GL025T-1VFG256I

M2GL025T-1VFG400

M2GL025T-1VFG400I

M2GL025T-FCS325

M2GL025T-FCS325I

M2GL025T-FCSG325

M2GL025T-FCSG325I

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M2GL025T-FG484

M2GL025T-FG484I

M2GL025T-FGG484

M2GL025T-FGG484I

M2GL025T-FGG484IX416

M2GL025T-FGG484X417

M2GL025T-VF256

M2GL025T-VF256I

M2GL025T-VF400

M2GL025T-VF400I

M2GL025T-VFG256

M2GL025T-VFG256I

M2GL025T-VFG400

M2GL025T-VFG400I

M2GL025TS-1FCS325

M2GL025TS-1FCS325I

M2GL025TS-1FCSG325

M2GL025TS-1FCSG325I

M2GL025TS-1FG484

M2GL025TS-1FG484I

M2GL025TS-1FG484M

M2GL025TS-1FGG484

M2GL025TS-1FGG484I

M2GL025TS-1FGG484M

M2GL025TS-1FGG484T2

M2GL025TS-1VF256

M2GL025TS-1VF256I

M2GL025TS-1VF400

M2GL025TS-1VF400I

M2GL025TS-1VFG256

M2GL025TS-1VFG256I

M2GL025TS-1VFG256T2

M2GL025TS-1VFG400

M2GL025TS-1VFG400I

M2GL025TS-1VFG400T2

M2GL025TS-FCS325

M2GL025TS-FCS325I

M2GL025TS-FCSG325

M2GL025TS-FCSG325I

M2GL025TS-FG484

M2GL025TS-FG484I

M2GL025TS-FGG484

M2S005S-VF400I

M2S005S-VFG256

M2S005S-VFG256H0004

M2S005S-VFG256H0007

M2S005S-VFG256H0011

M2S005S-VFG256H0014

M2S005S-VFG256H0016



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~~M2S005S-VFG256H0018~~  
M2S005S-VFG256H0021  
M2S005S-VFG256H0030  
M2S005S-VFG256H0045  
M2S005S-VFG256H0047  
M2S005S-VFG256H0051  
M2S005S-VFG256H0083  
M2S005S-VFG256H0099  
M2S005S-VFG256H0109  
M2S005S-VFG256H0113  
M2S005S-VFG256H0120  
M2S005S-VFG256H0124  
M2S005S-VFG256H0126  
M2S005S-VFG256H0128  
M2S005S-VFG256H0130  
M2S005S-VFG256H0148  
M2S005S-VFG256H0149  
M2S005S-VFG256H0154  
M2S005S-VFG256H0170  
M2S005S-VFG256H0175  
M2S005S-VFG256H0176  
M2S005S-VFG256H0177  
M2S005S-VFG256H0189  
M2S005S-VFG256H0190  
M2S005S-VFG256H0197  
M2S005S-VFG256H0200  
M2S005S-VFG256H0215  
M2S005S-VFG256H0219  
M2S005S-VFG256H0221  
M2S005S-VFG256H0224  
M2S005S-VFG256H0233  
M2S005S-VFG256H0234  
M2S005S-VFG256H0243  
M2S005S-VFG256H0244  
M2S005S-VFG256H0245  
M2S005S-VFG256H0260  
M2S005S-VFG256H0276  
M2S005S-VFG256H0290  
M2S005S-VFG256H0319  
M2S005S-VFG256H0341  
M2S005S-VFG256I  
M2S005S-VFG256IH0048  
M2S005S-VFG256IH0094  
M2S005S-VFG256IH0098  
M2S005S-VFG256IH0116  
M2S005S-VFG256IH0143  
M2S005S-VFG256IH0156  
M2S005S-VFG256IH0194  
M2S005S-VFG256IH0211

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~~M2S005S-VFG256IS0014~~

M2S005S-VFG256IS0020

M2S005S-VFG256IX416

M2S005S-VFG256X416

M2S005S-VFG400

M2S005S-VFG400I

M2S005S-WAFERLOT

M2S010-1FG484

M2S010-1FG484I

M2S010-1FGG484

M2S010-1FGG484I

M2S010-1TQG144

M2S010-1TQG144I

M2S010-1VF256

M2S010-1VF256I

M2S010-1VF400

M2S010-1VF400I

M2S010-1VFG256

M2S010-1VFG256I

M2S010-1VFG256X416

M2S010-1VFG400

M2S010-1VFG400I

M2S010-1VFG400IX416

M2S010-1VFG400IZ202

M2S010-1VFG400IZ227

M2S010-1VFG400X416

M2S010-FG484

M2S010-FG484I

M2S010-FGG484

M2S010-FGG484I

M2S010-FGG484IX414

M2S010-FGG484IX416

M2S010-FGG484IX417

M2S010-FGG484IX418

M2S010-FGG484X416

M2S010-TQG144

M2S010-TQG144I

M2S010-TQG144Q143

M2S010-TQG144Q159

M2S010-TQG144Q179

M2S010-TQG144Q184

M2S010-TQG144S0018

M2S010-TQG144X416

M2S010-TQG144X417

M2S010-TQG144X486

M2S010-TQG144X52

M2S010-TQG144Z228

M2S010-VF256

M2S010-VF256I

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~~M2S010-VF400~~

M2S010-VF400I

M2S010-VFG256

M2S010-VFG256I

M2S010-VFG256Q178

M2S010-VFG256S0017

M2S010-VFG256X416

M2S010-VFG256X456

M2S010-VFG256X486

M2S010-VFG400

M2S010-VFG400I

M2S010-VFG400IX416

M2S010-VFG400X416

M2S010S-1TQG144

M2S010S-1TQG144I

M2S010S-1TQG144T2

M2S010S-TQG144

M2S010S-TQG144I

M2S010T-1FG484

M2S010T-1FG484I

M2S010T-1FG484M

M2S010T-1FGG484

M2S010T-1FGG484I

M2S010T-1FGG484M

M2S010T-1FGG484MX417

M2S010T-1FGG484X417

M2S010T-1VF256

M2S010T-1VF256I

M2S010T-1VF400

M2GL060-FG676I

M2GL060-FG676X456

M2GL060-FGG484

M2GL060-FGG484I

M2GL060-FGG484X456

M2GL060-FGG676

M2GL060-FGG676I

M2GL060-FGG676IX399

M2GL060-FGG676X456

M2GL060-VF400

M2GL060-VF400I

M2GL060-VFG400

M2GL060-VFG400I

M2GL060-VFG400X456

M2GL060T-1FCS325

M2GL060T-1FCS325I

M2GL060T-1FCSG325

M2GL060T-1FCSG325I

M2GL060T-1FG484

M2GL060T-1FG484I

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M2GL060T-1FG484M

M2GL060T-1FG484MX399

M2GL060T-1FG676

M2GL060T-1FG676I

M2GL060T-1FGG484

M2GL060T-1FGG484I

M2GL060T-1FGG484M

M2GL060T-1FGG676

M2GL060T-1FGG676I

M2GL060T-1VF400

M2GL060T-1VF400I

M2GL060T-1VFG400

M2GL060T-1VFG400I

M2GL060T-FCS325

M2GL060T-FCS325I

M2GL060T-FCSG325

M2GL060T-FCSG325I

M2GL060T-FG484

M2GL060T-FG484I

M2GL060T-FG676

M2GL060T-FG676I

M2GL060T-FGG484

M2GL060T-FGG484I

M2GL060T-FGG676

M2GL060T-FGG676I

M2GL060T-VF400

M2GL060T-VF400I

M2GL060T-VFG400

M2GL060T-VFG400I

M2GL060TS-1FCS325

M2GL060TS-1FCS325I

M2GL060TS-1FCSG325

M2GL060TS-1FCSG325I

M2GL060TS-1FG484

M2GL060TS-1FG484I

M2GL060TS-1FG484M

M2GL060TS-1FG676

M2GL060TS-1FG676I

M2GL060TS-1FGG484

M2GL060TS-1FGG484I

M2GL060TS-1FGG484M

M2GL060TS-1FGG484T2

M2GL060TS-1FGG676

M2GL060TS-1FGG676I

M2GL060TS-1FGG676T2

M2GL060TS-1VF400

M2GL060TS-1VF400I

M2GL060TS-1VFG400

M2GL060TS-1VFG400I

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M2GL060TS-1VFG4001Z

M2GL060TS-FCS325

M2GL060TS-FCS325I

M2GL060TS-FCSG325

M2GL060TS-FCSG325I

M2GL060TS-FG484

M2GL060TS-FG484I

M2GL060TS-FG676

M2GL060TS-FG676I

M2GL060TS-FGG484

M2GL060TS-FGG484I

M2GL060TS-FGG676

M2GL060TS-FGG676I

M2GL060TS-VF400

M2GL060TS-VF400I

M2GL060TS-VFG400

M2GL060TS-VFG400I

M2GL090-1FCS325

M2GL090-1FCS325I

M2GL090-1FCSG325

M2GL090-1FCSG325I

M2GL090-1FG484

M2GL090-1FG484I

M2GL090-1FG484IX417

M2GL090-1FG676

M2GL090-1FG676I

M2GL090-1FG676IX441

M2GL090-1FGG484

M2GL090-1FGG484I

M2GL090-1FGG484IX417

M2GL090-1FGG484T1

M2GL090-1FGG676

M2GL090-1FGG676I

M2GL090-1FGG676IX259

M2GL090-1FGG676IX417

M2GL090-1FGG676IX441

M2GL090-FCS325

M2GL090-FCS325I

M2GL090-FCSG325

M2GL090-FCSG325I

M2GL090-FG484

M2GL090-FG484I

M2GL090-FG484IX3

M2GL090-FG484IX417

M2GL090-FG484X416

M2GL090-FG484X456

M2GL090-FG676

M2GL090-FG676I

M2GL090-FG676X416

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~~M2GL090-FGG484~~

M2GL090-FGG484I

M2GL090-FGG484IX417

M2GL090-FGG484IX418

M2GL090-FGG484X416

M2GL090-FGG484X418

M2GL090-FGG484X456

M2GL090-FGG484X505

M2GL090-FGG676

M2GL090-FGG676I

M2GL090-FGG676X416

M2GL090-FGG676X456

M2GL090T-1FCS325

M2GL090T-1FCS325I

M2GL090T-1FC3G325

M2GL090T-1FC3G325I

M2GL090T-1FG484

M2GL090T-1FG484I

M2GL090T-1FG484IX417

M2GL090T-1FG484M

M2GL090T-1FG484MX418

M2GL090T-1FG484MX6

M2GL090T-1FG676

M2GL090T-1FG676I

M2GL090T-1FGG484

M2GL090T-1FGG484I

M2GL090T-1FGG484M

M2GL090T-1FGG676

M2GL090T-1FGG676I

M2GL090T-1FGG676IX418

M2GL090T-FCS325

M2GL090T-FCS325I

M2GL090T-FCSG325

M2GL090T-FCSG325I

M2GL090T-FG484

M2GL090T-FG484I

M2GL090T-FG676

M2GL090T-FG676I

M2GL090T-FGG484

M2GL090T-FGG484I

M2GL090T-FGG484IX416

M2GL090T-FGG676

M2GL090T-FGG676I

M2GL090T-FGG676IX416

M2GL090TS-1FCS325

M2GL090TS-1FCS325I

M2GL090TS-1FC3G325

M2GL090TS-1FC3G325I

M2GL090TS-1FG484

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M2GL090TS-1FG484I  
M2GL090TS-1FG484M  
M2GL090TS-1FG676  
M2GL090TS-1FG676I  
M2GL090TS-1FGG484  
M2GL090TS-1FGG484I  
M2GL090TS-1FGG484IX416  
M2GL090TS-1FGG484M  
M2GL090TS-1FGG484T2  
M2GL090TS-1FGG676  
M2GL090TS-1FGG676I  
M2GL090TS-1FGG676T2  
M2GL090TS-FCS325  
M2GL090TS-FCS325I  
M2GL090TS-FCSG325  
M2GL090TS-FCSG325I  
M2GL090TS-FG484  
M2GL090TS-FG484I  
M2GL090TS-FG676  
M2GL090TS-FG676I  
M2GL090TS-FGG484  
M2GL090TS-FGG484I  
M2GL090TS-FGG676  
M2GL090TS-FGG676I  
M2GL150-1FC1152  
M2GL150-1FC1152I  
M2GL150-1FC1152IX259  
M2GL150-1FC1152IX441  
M2GL150-1FC1152IX520  
M2GL150-1FCG1152  
M2GL150-1FCG1152I  
M2GL150-1FCG1152IX417  
M2GL150-1FCG1152IX538  
M2GL150-1FCG1152X417  
M2GL150-1FCS536  
M2GL150-1FCS536I  
M2GL150-1FCSG536  
M2GL150-1FCSG536I  
M2GL150-1FCV484  
M2GL150-1FCV484I  
M2GL150-1FCVG484  
M2GL150-1FCVG484I  
M2GL150-FC1152  
M2GL150-FC1152I  
M2GL150-FC1152X417  
M2GL150-FCG1152  
M2GL150-FCG1152I  
M2GL150-FCS536  
M2GL150-FCS536I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2GL150-FCS536IX3~~

M2GL150-FCSG536

M2GL150-FCSG536I

M2GL150-FCV484

M2GL150-FCV484I

M2GL150-FCVG484

M2GL150-FCVG484I

M2GL150-FCVG484IX475

M2GL150T-1FC1152

M2GL150T-1FC1152I

M2GL150T-1FC1152IX417

M2GL150T-1FC1152M

M2GL150T-1FC1152MX3

M2GL150T-1FC1152MX441

M2GL150T-1FC1152MX520

M2GL150T-1FCG1152

M2GL150T-1FCG1152I

M2GL150T-1FCG1152IX417

M2GL150T-1FCG1152IX538

M2GL150T-1FCG1152M

M2GL150T-1FCS536

M2GL150T-1FCS536I

M2GL150T-1FCSG536

M2GL150T-1FCSG536I

M2GL150T-1FCV484

M2GL150T-1FCV484I

M2GL150T-1FCV484M

M2GL150T-1FCVG484

M2GL150T-1FCVG484I

M2GL150T-FC1152

M2GL150T-FC1152I

M2GL150T-FCG1152

M2GL150T-FCG1152I

M2GL150T-FCG1152IX417

M2GL150T-FCS536

M2GL150T-FCS536I

M2GL150T-FCSG536

M2GL150T-FCSG536I

M2GL150T-FCV484

M2GL150T-FCV484I

M2GL150T-FCVG484

M2GL150T-FCVG484I

M2GL150TS-1FC1152

M2GL150TS-1FC1152I

M2GL150TS-1FC1152M

M2GL150TS-1FCG1152

M2GL150TS-1FCG1152I

M2GL150TS-1FCG1152M

M2GL150TS-1FCS536



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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2GL150TS-1FCS536I

M2GL150TS-1FCSG536

M2GL150TS-1FCSG536I

M2GL150TS-1FCV484

M2GL150TS-1FCV484I

M2GL150TS-1FCV484M

M2GL150TS-1FCVG484

M2GL150TS-1FCVG484I

M2GL150TS-1FCVG484IX323

M2GL150TS-FC1152

M2GL150TS-FC1152I

M2GL150TS-FCG1152

M2GL150TS-FCG1152I

M2GL150TS-FCS536

M2GL150TS-FCS536I

M2GL150TS-FCSG536

M2GL150TS-FCSG536I

M2GL150TS-FCV484

M2GL150TS-FCV484I

M2GL150TS-FCVG484

M2GL150TS-FCVG484I

M2S005-1FG484

M2S005-1FG484I

M2S005-1FGG484

M2S005-1FGG484I

M2S005-1TQG144

M2S005-1TQG144I

M2S005-1VF256

M2S005-1VF256I

M2S005-1VF400

M2S005-1VF400I

M2S005-1VFG256

M2S005-1VFG256I

M2S005-1VFG400

M2S005-1VFG400I

M2S005-1VFG400IX416

M2S005-FG484

M2S005-FG484I

M2S005-FGG484

M2S005-FGG484I

M2S005-FGG484IX3

M2S005-FGG484IX417

M2S005-FGG484X417

M2S005-FGG484X456

M2S005-FGG484X486

M2S005-TQG144

M2S005-TQG144I

M2S005-TQG144IX416

M2S005-TQG144X486

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2S005-VF256~~

M2S005-VF256I

M2S005-VF256X416

M2S005-VF256X456

M2S005-VF400

M2S005-VF400I

M2S005-VFG256

M2S005-VFG256I

M2S005-VFG256IX416

M2S005-VFG256IZ049

M2S005-VFG256Q321

M2S005-VFG256X416

M2S005-VFG256X456

M2S005-VFG256X486

M2S005-VFG400

M2S005-VFG400I

M2S005-VFG400IX516

M2S005-VFG400X416

M2S005-VFG400X417

M2S005-VFG400X456

M2S005S-1FG484

M2S005S-1FG484I

M2S005S-1FGG484

M2S005S-1FGG484I

M2S005S-1FGG484T2

M2S005S-1TQG144

M2S005S-1TQG144I

M2S005S-1TQG144T2

M2S005S-1VF256

M2S005S-1VF256I

M2S005S-1VF400

M2S005S-1VF400I

M2S005S-1VFG256

M2S005S-1VFG256I

M2S005S-1VFG256T2

M2S005S-1VFG400

M2S005S-1VFG400I

M2S005S-1VFG400T2

M2S005S-FG484

M2S005S-FG484I

M2S005S-FGG484

M2S005S-FGG484I

M2S005S-FGG484IX417

M2S005S-TQG144

M2S005S-TQG144H000

M2S005S-TQG144H0001

M2S005S-TQG144H0002

M2S005S-TQG144H0003

M2S005S-TQG144H0005

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S005S-TQG144H0006  
M2S005S-TQG144H0008  
M2S005S-TQG144H0023  
M2S005S-TQG144H0027  
M2S005S-TQG144H0033  
M2S005S-TQG144H0037  
M2S005S-TQG144H0040  
M2S005S-TQG144H0050  
M2S005S-TQG144H0075  
M2S005S-TQG144H0091  
M2S005S-TQG144H0127  
M2S005S-TQG144H0133  
M2S005S-TQG144H0141  
M2S005S-TQG144H0185  
M2S005S-TQG144H0187  
M2S005S-TQG144H0191  
M2S005S-TQG144H0217  
M2S005S-TQG144H0225  
M2S005S-TQG144H0232  
M2S005S-TQG144H0237  
M2S005S-TQG144H0247  
M2S005S-TQG144H0251  
M2S005S-TQG144H0264  
M2S005S-TQG144H0289  
M2S005S-TQG144H0291  
M2S005S-TQG144H0295  
M2S005S-TQG144I  
M2S005S-TQG144IH0054  
M2S005S-TQG144IH0055  
M2S005S-TQG144IH0057  
M2S005S-TQG144IH0062  
M2S005S-TQG144IH0064  
M2S005S-TQG144IH0065  
M2S005S-TQG144IH0068  
M2S005S-TQG144IH0073  
M2S005S-TQG144IH0074  
M2S005S-TQG144IH0078  
M2S005S-TQG144IX416  
M2S005S-TQG144X416  
M2S005S-TQG144X486  
M2S005S-VF256  
M2S005S-VF256I  
M2S005S-VF256X416  
M2S005S-VF400  
M2S010T-1VF400I  
M2S010T-1VFG256  
M2S010T-1VFG256I  
M2S010T-1VFG400  
M2S010T-1VFG400I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S010T-FG484

M2S010T-FG484I

M2S010T-FGG484

M2S010T-FGG484I

M2S010T-FGG484IX418

M2S010T-FGG484X416

M2S010T-FGG484XZ82

M2S010T-VF256

M2S010T-VF256I

M2S010T-VF400

M2S010T-VF400I

M2S010T-VFG256

M2S010T-VFG256I

M2S010T-VFG400

M2S010T-VFG400I

M2S010TS-1FG484

M2S010TS-1FG484I

M2S010TS-1FG484M

M2S010TS-1FGG484

M2S010TS-1FGG484I

M2S010TS-1FGG484M

M2S010TS-1FGG484T2

M2S010TS-1VF256

M2S010TS-1VF256I

M2S010TS-1VF400

M2S010TS-1VF400I

M2S010TS-1VFG256

M2S010TS-1VFG256I

M2S010TS-1VFG256T2

M2S010TS-1VFG400

M2S010TS-1VFG400I

M2S010TS-1VFG400T2

M2S010TS-1VFG400X416

M2S010TS-FG484

M2S010TS-FG484I

M2S010TS-FGG484

M2S010TS-FGG484I

M2S010TS-FGG484IH0199

M2S010TS-FGG484IH0235

M2S010TS-FGG484IS0005

M2S010TS-FGG484IX416

M2S010TS-FGG484IX418

M2S010TS-FGG484X418

M2S010TS-VF256

M2S010TS-VF256I

M2S010TS-VF400

M2S010TS-VF400I

M2S010TS-VFG256

M2S010TS-VFG256H0009

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S010TS-VFG256H0022  
M2S010TS-VFG256H0024  
M2S010TS-VFG256H0026  
M2S010TS-VFG256H0029  
M2S010TS-VFG256H0034  
M2S010TS-VFG256H0035  
M2S010TS-VFG256H0041  
M2S010TS-VFG256H0052  
M2S010TS-VFG256H0060  
M2S010TS-VFG256H0063  
M2S010TS-VFG256H0077  
M2S010TS-VFG256H0082  
M2S010TS-VFG256H0086  
M2S010TS-VFG256H0087  
M2S010TS-VFG256H0088  
M2S010TS-VFG256H0097  
M2S010TS-VFG256H0104  
M2S010TS-VFG256H0106  
M2S010TS-VFG256H0114  
M2S010TS-VFG256H0119  
M2S010TS-VFG256H0129  
M2S010TS-VFG256H0131  
M2S010TS-VFG256H0134  
M2S010TS-VFG256H0135  
M2S010TS-VFG256H0140  
M2S010TS-VFG256H0146  
M2S010TS-VFG256H0150  
M2S010TS-VFG256H0159  
M2S010TS-VFG256H0164  
M2S010TS-VFG256H0168  
M2S010TS-VFG256H0174  
M2S010TS-VFG256H0188  
M2S010TS-VFG256H0201  
M2S010TS-VFG256H0208  
M2S010TS-VFG256H0209  
M2S010TS-VFG256H0210  
M2S010TS-VFG256H0212  
M2S010TS-VFG256H0214  
M2S010TS-VFG256H0226  
M2S010TS-VFG256H0227  
M2S010TS-VFG256H0228  
M2S010TS-VFG256H0259  
M2S010TS-VFG256H0294  
M2S010TS-VFG256H0296  
M2S010TS-VFG256H0307  
M2S010TS-VFG256H0340  
M2S010TS-VFG256I  
M2S010TS-VFG256IH0112  
M2S010TS-VFG256IH0230

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2S010TS-VFG256IH0292~~

M2S010TS-VFG256IH0322

M2S010TS-VFG256IH0333

M2S010TS-VFG256IH0337

M2S010TS-VFG256IX416

M2S010TS-VFG256X416

M2S010TS-VFG256X486

M2S010TS-VFG400

M2S010TS-VFG400H0117

M2S010TS-VFG400H0153

M2S010TS-VFG400H0155

M2S010TS-VFG400H0216

M2S010TS-VFG400H0277

M2S010TS-VFG400H0284

M2S010TS-VFG400H0303

M2S010TS-VFG400I

M2S010TS-VFG400S0008

M2S010TS-VFG400S0009

M2S010TS-VFG400S0010

M2S010TS-VFG400S0011

M2S010TS-VFG400X416

M2S010TS-WAFERLOT

M2S025-1FCS325

M2S025-1FCS325I

M2S025-1FCSG325

M2S025-1FCSG325I

M2S025-1FG484

M2S025-1FG484I

M2S025-1FGG484

M2S025-1FGG484I

M2S025-1VF256

M2S025-1VF256I

M2S025-1VF400

M2S025-1VF400I

M2S025-1VFG256

M2S025-1VFG256I

M2S025-1VFG256Q168

M2S025-1VFG400

M2S025-1VFG400I

M2S025-1VFG400IX416

M2S025-1VFG400IZ288

M2S025-FCS325

M2S025-FCS325I

M2S025-FCSG325

M2S025-FCSG325I

M2S025-FG484

M2S025-FG484I

M2S025-FGG484

M2S025-FGG484I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S025-FGG484IX417

M2S025-FGG484X486

M2S025-VF256

M2S025-VF256I

M2S025-VF400

M2S025-VF400I

M2S025-VFG256

M2S025-VFG256H0049

M2S025-VFG256I

M2S025-VFG256Q177

M2S025-VFG256Q256

M2S025-VFG256Q264

M2S025-VFG256Q273

M2S025-VFG256Q307

M2S025-VFG256Q309

M2S025-VFG256Q325

M2S025-VFG256S0034

M2S025-VFG256X416

M2S025-VFG256X456

M2S025-VFG256Z203

M2S025-VFG256Z279

M2S025-VFG400

M2S025-VFG400I

M2S025-VFG400IX413

M2S025-VFG400IX416

M2S025T-1FCS325

M2S025T-1FCS325I

M2S025T-1FCSG158HZ221

M2S025T-1FCSG325

M2S025T-1FCSG325I

M2S025T-1FG484

M2S025T-1FG484I

M2S025T-1FG484M

M2S025T-1FGG484

M2S025T-1FGG484I

M2S025T-1FGG484M

M2S025T-1VF256

M2S025T-1VF256I

M2S025T-1VF400

M2S025T-1VF400I

M2S025T-1VFG256

M2S025T-1VFG256I

M2S025T-1VFG400

M2S025T-1VFG400I

M2S025T-FCS325

M2S025T-FCS325I

M2S025T-FCSG158IZ222

M2S025T-FCSG325

M2S025T-FCSG325I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S025T-FG484

M2S025T-FG484I

M2S025T-FGG484

M2S025T-FGG484I

M2S025T-FGG484X416

M2S025T-FGG484X417

M2S025T-VF256

M2S025T-VF256I

M2S025T-VF400

M2S025T-VF400I

M2S025T-VFG256

M2S025T-VFG256I

M2S025T-VFG256X538

M2S025T-VFG400

M2S025T-VFG400I

M2S025TS-1FCS325

M2S025TS-1FCS325I

M2S025TS-1FCSG325

M2S025TS-1FCSG325I

M2S025TS-1FG484

M2S025TS-1FG484I

M2S025TS-1FG484M

M2S025TS-1FGG484

M2S025TS-1FGG484I

M2S025TS-1FGG484IX416

M2S025TS-1FGG484M

M2S025TS-1FGG484T2

M2S025TS-1VF256

M2S025TS-1VF256I

M2S025TS-1VF400

M2S025TS-1VF400I

M2S025TS-1VFG256

M2S025TS-1VFG256I

M2S025TS-1VFG256T2

M2S025TS-1VFG400

M2S025TS-1VFG400I

M2S025TS-1VFG400T2

M2S025TS-FCS325

M2S025TS-FCS325I

M2S025TS-FCSG325

M2S025TS-FCSG325I

M2S025TS-FG484

M2S025TS-FG484I

M2S025TS-FGG484

M2S025TS-FGG484H0013

M2S025TS-FGG484H0015

M2S025TS-FGG484H0058

M2S025TS-FGG484H0059

M2S025TS-FGG484H0066



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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S025TS-FGG484H0070  
M2S025TS-FGG484H0079  
M2S025TS-FGG484H0080  
M2S025TS-FGG484H0096  
M2S025TS-FGG484H0100  
M2S025TS-FGG484H0103  
M2S025TS-FGG484H0139  
M2S025TS-FGG484H0167  
M2S025TS-FGG484H0178  
M2S025TS-FGG484H0182  
M2S025TS-FGG484H0203  
M2S025TS-FGG484H0236  
M2S025TS-FGG484H0249  
M2S025TS-FGG484H0253  
M2S025TS-FGG484H0268  
M2S025TS-FGG484H0282  
M2S025TS-FGG484H0302  
M2S025TS-FGG484H0308  
M2S025TS-FGG484H0330  
M2S025TS-FGG484I  
M2S025TS-FGG484IH0257  
M2S025TS-FGG484IH0298  
M2S025TS-FGG484IX416  
M2S025TS-FGG484IX486  
M2S025TS-FGG484X416  
M2S025TS-FGG484X486  
M2S025TS-VF256  
M2S025TS-VF256I  
M2S025TS-VF400  
M2S025TS-VF400I  
M2S025TS-VFG256  
M2S025TS-VFG256H0010  
M2S025TS-VFG256H0025  
M2S025TS-VFG256H0056  
M2S025TS-VFG256H0123  
M2S025TS-VFG256H0152  
M2S025TS-VFG256H0206  
M2S025TS-VFG256H0293  
M2S025TS-VFG256I  
M2S025TS-VFG256Q320  
M2S025TS-VFG256S0023  
M2S025TS-VFG256X416  
M2S025TS-VFG400  
M2S025TS-VFG400H0283  
M2S025TS-VFG400I  
M2S025TS-VFG400IH0069  
M2S025TS-VFG400IH0101  
M2S025TS-VFG400IH0147  
M2S025TS-VFG400IH0162

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2S025TS-VFG400IH0172~~

M2S025TS-VFG400IH0173

M2S025TS-VFG400IH0184

M2S025TS-VFG400IH0241

M2S025TS-VFG400IH0256

M2S025TS-VFG400IH0262

M2S025TS-VFG400IH0265

M2S025TS-VFG400IH0285

M2S025TS-VFG400IH0305

M2S025TS-VFG400IH0325

M2S025TS-VFG400IQ270

M2S025TS-VFG400IX416

M2S025TS-VFG400IX417

M2S025TS-VFG400X416

M2S025TS-WAFERLOT

M2S050-1FCS325

M2S050-1FCS325I

M2S050-1FCSG325

M2S050-1FCSG325I

M2S050-1FG484

M2S050-1FG484I

M2S050-1FG896

M2S050-1FG896I

M2S050-1FGG484

M2S050-1FGG484I

M2S050-1FGG896

M2S050-1FGG896I

M2S050-1VF400

M2S050-1VF400I

M2S050-1VFG400

M2S050-1VFG400I

M2S050-FCS325

M2S050-FCS325I

M2S050-FCSG325

M2S050-FCSG325I

M2S050-FG484

M2S050-FG484I

M2S050-FG484IX11

M2S050-FG896

M2S050-FG896ESX423

M2S050-FG896I

M2S050-FGG484

M2S050-FGG484I

M2S050-FGG484IX417

M2S050-FGG484X417

M2S050-FGG896

M2S050-FGG896I

M2S050-VF400

M2S050-VF400I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2S050-VFG400~~

M2S050-VFG400I

M2S050T-1FCS325

M2S050T-1FCS325I

M2S050T-1FCSG325

M2S050T-1FCSG325I

M2S050T-1FG484

M2S050T-1FG484I

M2S050T-1FG484M

M2S050T-1FG896

M2S050T-1FG896ESX423

M2S050T-1FG896I

M2S050T-1FG896IX417

M2S050T-1FGG484

M2S050T-1FGG484I

M2S050T-1FGG484IX416

M2S050T-1FGG484M

M2S050T-1FGG896

M2S050T-1FGG896I

M2S050T-1VF400

M2S050T-1VF400I

M2S050T-1VFG400

M2S050T-1VFG400I

M2S050T-FCS325

M2S050T-FCS325I

M2S050T-FCSG325

M2S050T-FCSG325I

M2S050T-FCSG325X416

M2S050T-FG484

M2S050T-FG484I

M2S050T-FG896

M2S050T-FG896I

M2S050T-FGG484

M2S050T-FGG484I

M2S050T-FGG484IX538

M2S050T-FGG896

M2S050T-FGG896I

M2S050T-VF400

M2S050T-VF400I

M2S050T-VFG400

M2S050T-VFG400I

M2S050TS-1FCS325

M2S050TS-1FCS325I

M2S050TS-1FCSG325

M2S050TS-1FCSG325I

M2S050TS-1FG484

M2S050TS-1FG484I

M2S050TS-1FG484M

M2S050TS-1FG896

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S050TS-1FG896I  
M2S050TS-1FGG484  
M2S050TS-1FGG484I  
M2S050TS-1FGG484M  
M2S050TS-1FGG896  
M2S050TS-1FGG896I  
M2S050TS-1VF400  
M2S050TS-1VF400I  
M2S050TS-1VFG400  
M2S050TS-1VFG400I  
M2S050TS-FCS325  
M2S050TS-FCS325I  
M2S050TS-FCSG325  
M2S050TS-FCSG325I  
M2S050TS-FG484  
M2S050TS-FG484I  
M2S050TS-FG896  
M2S050TS-FG896I  
M2S050TS-FGG484  
M2S050TS-FGG484I  
M2S050TS-FGG896  
M2S050TS-FGG896I  
M2S050TS-VF400  
M2S050TS-VF400I  
M2S050TS-VFG400  
M2S050TS-VFG400I  
M2S050TS-WAFERLOT  
M2S060-1FCS325  
M2S060-1FCS325I  
M2S060-1FCSG325  
M2S060-1FCSG325I  
M2S060-1FG484  
M2S060-1FG484I  
M2S060-1FG676  
M2S060-1FG676I  
M2S060-1FGG484  
M2S060-1FGG484I  
M2S060-1FGG676  
M2S060-1FGG676I  
M2S060-1VF400  
M2S060-1VF400I  
M2S060-1VFG400  
M2S060-1VFG400I  
M2S060-FCS325  
M2S060-FCS325I  
M2S060-FCSG325  
M2S060-FCSG325I  
M2S060-FG484  
M2S060-FG484I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S060-FG484X456

M2S060-FG676

M2S060-FG676I

M2S060-FG676X456

M2S060-FGG484

M2S060-FGG484I

M2S060-FGG484IX486

M2S060-FGG484X456

M2S060-FGG484X486

M2S060-FGG676

M2S060-FGG676I

M2S060-FGG676IX486

M2S060-FGG676X456

M2S060-FGG676X486

M2S060-VF400

M2S060-VF400I

M2S060-VFG400

M2S060-VFG400I

M2S060T-1FCS325

M2S060T-1FCS325I

M2S060T-1FCSG325

M2S060T-1FCSG325I

M2S060T-1FG484

M2S060T-1FG484I

M2S060T-1FG484M

M2S060T-1FG676

M2S060T-1FG676I

M2S060T-1FGG484

M2S060T-1FGG484I

M2S060T-1FGG484M

M2S060T-1FGG676

M2S060T-1FGG676I

M2S060T-1FGG676Q327

M2S060T-1FGG676S0013

M2S060T-1FGG676S0015

M2S060T-1FGG676S0019

M2S060T-1FGG676S0024

M2S060T-1FGG676S0031

M2S060T-1VF400

M2S060T-1VF400I

M2S060T-1VFG400

M2S060T-1VFG400I

M2S060T-FCS325

M2S060T-FCS325I

M2S060T-FCSG325

M2S060T-FCSG325I

M2S060T-FG484

M2S060T-FG484I

M2S060T-FG676

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S060T-FGG676I

M2S060T-FGG484

M2S060T-FGG484I

M2S060T-FGG484IX416

M2S060T-FGG484X486

M2S060T-FGG676

M2S060T-FGG676I

M2S060T-FGG676IX486

M2S060T-FGG676Q128

M2S060T-FGG676Q174

M2S060T-FGG676X486

M2S060T-VF400

M2S060T-VF400I

M2S060T-VFG400

M2S060T-VFG400I

M2S060TS-1FCS325

M2S060TS-1FCS325I

M2S060TS-1FCSG325

M2S060TS-1FCSG325I

M2S060TS-1FG484

M2S060TS-1FG484I

M2S060TS-1FG484M

M2S060TS-1FG676

M2S060TS-1FG676I

M2S060TS-1FGG484

M2S060TS-1FGG484I

M2S060TS-1FGG484M

M2S060TS-1FGG484T2

M2S060TS-1FGG676

M2S060TS-1FGG676I

M2S060TS-1FGG676T2

M2S060TS-1VF400

M2S060TS-1VF400I

M2S060TS-1VFG400

M2S060TS-1VFG400I

M2S060TS-1VFG400T2

M2S060TS-FCS325

M2S060TS-FCS325I

M2S060TS-FCSG325

M2S060TS-FCSG325I

M2S060TS-FG484

M2S060TS-FG484I

M2S060TS-FG676

M2S060TS-FG676I

M2S060TS-FGG484

M2S060TS-FGG484H0028

M2S060TS-FGG484H0110

M2S060TS-FGG484H0125

M2S060TS-FGG484H0246

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S060TS-FGG484I

M2S060TS-FGG484IH0020  
M2S060TS-FGG484IH0028  
M2S060TS-FGG484IH0032  
M2S060TS-FGG484IH0039  
M2S060TS-FGG484IH0043  
M2S060TS-FGG484IH0067  
M2S060TS-FGG484IH0081  
M2S060TS-FGG484IH0118  
M2S060TS-FGG484IH0158  
M2S060TS-FGG484IH0165  
M2S060TS-FGG484IH0169  
M2S060TS-FGG484IH0181  
M2S060TS-FGG484IH0183  
M2S060TS-FGG484IH0193  
M2S060TS-FGG484IH0205  
M2S060TS-FGG484IH0220  
M2S060TS-FGG484IH0229  
M2S060TS-FGG484IH0254  
M2S060TS-FGG484IH0281  
M2S060TS-FGG484IH0299  
M2S060TS-FGG484IH0300  
M2S060TS-FGG484IH0304  
M2S060TS-FGG484IH0320  
M2S060TS-FGG484IH0328  
M2S060TS-FGG484IH0329  
M2S060TS-FGG484IX486  
M2S060TS-FGG484X486  
M2S060TS-FGG676  
M2S060TS-FGG676H0093  
M2S060TS-FGG676H0095  
M2S060TS-FGG676H0157  
M2S060TS-FGG676H0160  
M2S060TS-FGG676H0161  
M2S060TS-FGG676H0171  
M2S060TS-FGG676H0192  
M2S060TS-FGG676H0198  
M2S060TS-FGG676H0207  
M2S060TS-FGG676H0255  
M2S060TS-FGG676H0287  
M2S060TS-FGG676H0288  
M2S060TS-FGG676H0339  
M2S060TS-FGG676I  
M2S060TS-FGG676IH0019  
M2S060TS-FGG676IH0031  
M2S060TS-FGG676IH0042  
M2S060TS-FGG676IH0085  
M2S060TS-FGG676IH0089  
M2S060TS-FGG676IH0092

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S060TS-FGG676IH0102

M2S060TS-FGG676IH0108

M2S060TS-FGG676IH0111

M2S060TS-FGG676IH0151

M2S060TS-FGG676IH0166

M2S060TS-FGG676IH0179

M2S060TS-FGG676IH0180

M2S060TS-FGG676IH0196

M2S060TS-FGG676IH0202

M2S060TS-FGG676IH0218

M2S060TS-FGG676IH0222

M2S060TS-FGG676IH0238

M2S060TS-FGG676IH0239

M2S060TS-FGG676IH0240

M2S060TS-FGG676IH0242

M2S060TS-FGG676IH0250

M2S060TS-FGG676IH0252

M2S060TS-FGG676IH0263

M2S060TS-FGG676IH0266

M2S060TS-FGG676IH0267

M2S060TS-FGG676IH0271

M2S060TS-FGG676IH0272

M2S060TS-FGG676IH0273

M2S060TS-FGG676IH0274

M2S060TS-FGG676IX486

M2S060TS-FGG676Q173

M2S060TS-FGG676Q269

M2S060TS-FGG676S0021

M2S060TS-FGG676S0022

M2S060TS-FGG676S0025

M2S060TS-FGG676S0026

M2S060TS-FGG676S0033

M2S060TS-FGG676X486

M2S060TS-VF400

M2S060TS-VF400I

M2S060TS-VFG400

M2S060TS-VFG400I

M2S060TS-VFG400IH0115

M2S060TS-VFG400IH0204

M2S060TS-VFG400IH0213

M2S060TS-VFG400IH0248

M2S060TS-VFG400IH0269

M2S060TS-VFG400IH0270

M2S060TS-VFG400IH0278

M2S060TS-VFG400IH0286

M2S060TS-VFG400IH0297

M2S060TS-VFG400IH0301

M2S060TS-WAFERLOT

M2S090-1FCS325



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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2S090-1FCS325I~~

M2S090-1FCSG325

M2S090-1FCSG325I

M2S090-1FG484

M2S090-1FG484I

M2S090-1FG484IX6

M2S090-1FG676

M2S090-1FG676I

M2S090-1FG676IX417

M2S090-1FGG484

M2S090-1FGG484I

M2S090-1FGG484IX418

M2S090-1FGG484X418

M2S090-1FGG676

M2S090-1FGG676I

M2S090-1FGG676IX538

M2S090-FCS325

M2S090-FCS325I

M2S090-FCS325X339

M2S090-FCSG325

M2S090-FCSG325I

M2S090-FG484

M2S090-FG484I

M2S090-FG484IX416

M2S090-FG484IX538

M2S090-FG484X416

M2S090-FG484X456

M2S090-FG676

M2S090-FG676I

M2S090-FG676IX416

M2S090-FG676X416

M2S090-FGG484

M2S090-FGG484I

M2S090-FGG484IX416

M2S090-FGG484IX417

M2S090-FGG484IX418

M2S090-FGG484X416

M2S090-FGG484X417

M2S090-FGG484X418

M2S090-FGG484X456

M2S090-FGG676

M2S090-FGG676I

M2S090-FGG676ORT

M2S090-FGG676X416

M2S090-FGG676X425

M2S090T-1FCS325

M2S090T-1FCS325I

M2S090T-1FCSG325

M2S090T-1FCSG325I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2S090T-1FCSG325Q185~~

M2S090T-1FG484

M2S090T-1FG484I

M2S090T-1FG484IX399

M2S090T-1FG484IX416

M2S090T-1FG484IX538

M2S090T-1FG484M

M2S090T-1FG676

M2S090T-1FG676I

M2S090T-1FGG484

M2S090T-1FGG484I

M2S090T-1FGG484IX417

M2S090T-1FGG484IX418

M2S090T-1FGG484IX538

M2S090T-1FGG484M

M2S090T-1FGG484MX399

M2S090T-1FGG484MX416

M2S090T-1FGG484MX417

M2S090T-1FGG484X538

M2S090T-1FGG676

M2S090T-1FGG676I

M2S090T-1FGG676Q149

M2S090T-1FGG676Q326

M2S090T-1FGG676S0001

M2S090T-1FGG676S0002

M2S090T-1FGG676S0003

M2S090T-1FGG676S0006

M2S090T-1FGG676S0007

M2S090T-1FGG676S0012

M2S090T-1FGG676S0016

M2S090T-1FGG676S0027

M2S090T-1FGG676S0028

M2S090T-1FGG676S0030

M2S090T-1FGG676S0032

M2S090T-1FGG676X416

M2S090T-1FGG676Z246

M2S090T-FCS325

M2S090T-FCS325I

M2S090T-FCSG325

M2S090T-FCSG325I

M2S090T-FG484

M2S090T-FG484I

M2S090T-FG484X538

M2S090T-FG676

M2S090T-FG676I

M2S090T-FG676IX417

M2S090T-FGG484

M2S090T-FGG484I

M2S090T-FGG484IX417

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S090T-FGG484IX418

M2S090T-FGG484X416

M2S090T-FGG484X417

M2S090T-FGG676

M2S090T-FGG676I

M2S090T-FGG676Q189

M2S090T-FGG676S0006

M2S090T-FGG676X416

M2S090TS-1FCS325

M2S090TS-1FCS325I

M2S090TS-1FCS325IX417

M2S090TS-1FCS325IX418

M2S090TS-1FC3G325

M2S090TS-1FC3G325I

M2S090TS-1FC3G325IX416

M2S090TS-1FC3G325IX418

M2S090TS-1FG484

M2S090TS-1FG484I

M2S090TS-1FG484IX3

M2S090TS-1FG484IX416

M2S090TS-1FG484IX418

M2S090TS-1FG484M

M2S090TS-1FG484MX3

M2S090TS-1FG484MX471

M2S090TS-1FG676

M2S090TS-1FG676I

M2S090TS-1FG676IX417

M2S090TS-1FGG484

M2S090TS-1FGG484I

M2S090TS-1FGG484IX416

M2S090TS-1FGG484IX418

M2S090TS-1FGG484M

M2S090TS-1FGG484T2

M2S090TS-1FGG484X416

M2S090TS-1FGG484X418

M2S090TS-1FGG676

M2S090TS-1FGG676H0017

M2S090TS-1FGG676H0044

M2S090TS-1FGG676H0046

M2S090TS-1FGG676H0071

M2S090TS-1FGG676H0090

M2S090TS-1FGG676H0132

M2S090TS-1FGG676H0144

M2S090TS-1FGG676H0223

M2S090TS-1FGG676H0280

M2S090TS-1FGG676I

M2S090TS-1FGG676IX418

M2S090TS-1FGG676T2

M2S090TS-1FGG676X416

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2S090TS-FCS325~~

M2S090TS-FCS325I

M2S090TS-FCS325IX416

M2S090TS-FCS325IX417

M2S090TS-FCSG325

M2S090TS-FCSG325I

M2S090TS-FCSG325IX418

M2S090TS-FG484

M2S090TS-FG484I

M2S090TS-FG484IX416

M2S090TS-FG484IX456

M2S090TS-FG484X416

M2S090TS-FG676

M2S090TS-FG676I

M2S090TS-FGG484

M2S090TS-FGG484I

M2S090TS-FGG484IX416

M2S090TS-FGG484IX418

M2S090TS-FGG484X416

M2S090TS-FGG676

M2S090TS-FGG676H0137

M2S090TS-FGG676H0309

M2S090TS-FGG676I

M2S090TS-FGG676IH0053

M2S090TS-FGG676IH0076

M2S090TS-FGG676IH0107

M2S090TS-FGG676IH0122

M2S090TS-FGG676IH0145

M2S090TS-FGG676IH0231

M2S090TS-FGG676IH0258

M2S090TS-FGG676IH0275

M2S090TS-FGG676IH0279

M2S090TS-FGG676IS0004

M2S090TS-FGG676IX416

M2S090TS-FGG676X416

M2S090TS-WAFERLOT

M2S150-1FC1152

M2S150-1FC1152I

M2S150-1FCG1152

M2S150-1FCG1152I

M2S150-1FCS536

M2S150-1FCS536I

M2S150-1FCSG536

M2S150-1FCSG536I

M2S150-1FCV484

M2S150-1FCV484I

M2S150-1FCVG484

M2S150-1FCVG484I

M2S150-FC1152

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S150-FC1152I

M2S150-FCG1152

M2S150-FCG1152I

M2S150-FCG1152X486

M2S150-FCS536

M2S150-FCS536I

M2S150-FCSG536

M2S150-FCSG536I

M2S150-FCV484

M2S150-FCV484I

M2S150-FCVG484

M2S150-FCVG484I

M2S150T-1FC1152

M2S150T-1FC1152I

M2S150T-1FC1152IX3

M2S150T-1FC1152M

M2S150T-1FC1152MX259

M2S150T-1FCG1152

M2S150T-1FCG1152I

M2S150T-1FCG1152IX417

M2S150T-1FCG1152M

M2S150T-1FCG1152X416

M2S150T-1FCS536

M2S150T-1FCS536I

M2S150T-1FCSG536

M2S150T-1FCSG536I

M2S150T-1FCV484

M2S150T-1FCV484I

M2S150T-1FCV484IX259

M2S150T-1FCV484IX3

M2S150T-1FCV484M

M2S150T-1FCV484MX259

M2S150T-1FCVG484

M2S150T-1FCVG484I

M2S150T-FC1152

M2S150T-FC1152I

M2S150T-FC1152X416

M2S150T-FCG1152

M2S150T-FCG1152I

M2S150T-FCG1152X416

M2S150T-FCG1152X417

M2S150T-FCS536

M2S150T-FCS536I

M2S150T-FCSG536

M2S150T-FCSG536I

M2S150T-FCV484

M2S150T-FCV484I

M2S150T-FCVG484

M2S150T-FCVG484I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2S150T-FCV484IX94

M2S150TS-1FC1152

M2S150TS-1FC1152I

M2S150TS-1FC1152IX130

M2S150TS-1FC1152IX167

M2S150TS-1FC1152M

M2S150TS-1FC1152MX259

M2S150TS-1FC1152MX417

M2S150TS-1FCG1152

M2S150TS-1FCG1152H0012

M2S150TS-1FCG1152H0038

M2S150TS-1FCG1152H0061

M2S150TS-1FCG1152H0084

M2S150TS-1FCG1152H0105

M2S150TS-1FCG1152H0121

M2S150TS-1FCG1152H0163

M2S150TS-1FCG1152H0186

M2S150TS-1FCG1152H0195

M2S150TS-1FCG1152H0261

M2S150TS-1FCG1152H0327

M2S150TS-1FCG1152H0338

M2S150TS-1FCG1152I

M2S150TS-1FCG1152IX417

M2S150TS-1FCG1152M

M2S150TS-1FCG1152X416

M2S150TS-1FCG1152X417

M2S150TS-1FCS536

M2S150TS-1FCS536I

M2S150TS-1FCSG536

M2S150TS-1FCSG536I

M2S150TS-1FCV484

M2S150TS-1FCV484I

M2S150TS-1FCV484M

M2S150TS-1FCVG484

M2S150TS-1FCVG484I

M2S150TS-FC1152

M2S150TS-FC1152I

M2S150TS-FC1152X416

M2S150TS-FCG1152

M2S150TS-FCG1152H0012

M2S150TS-FCG1152H0138

M2S150TS-FCG1152I

M2S150TS-FCG1152X416

M2S150TS-FCS536

M2GL010S-TQG144I

M2GL010T-1FG484

M2GL010T-1FG484I

M2GL010T-1FG484IX418

M2GL010T-1FG484M

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2GL010T-1FG484MX399  
M2GL010T-1FG484MX417  
M2GL010T-1FG484MX418  
M2GL010T-1FGG484  
M2GL010T-1FGG484I  
M2GL010T-1FGG484IX418  
M2GL010T-1FGG484M  
M2GL010T-1FGG484X416  
M2GL010T-1FGG484X417  
M2GL010T-1FGG484X418  
M2GL010T-1VF256  
M2GL010T-1VF256I  
M2GL010T-1VF400  
M2GL010T-1VF400I  
M2GL010T-1VFG256  
M2GL010T-1VFG256I  
M2GL010T-1VFG400  
M2GL010T-1VFG400I  
M2GL010T-FG484  
M2GL010T-FG484I  
M2GL010T-FGG484  
M2GL010T-FGG484I  
M2GL010T-FGG484IX377  
M2GL010T-FGG484X416  
M2GL010T-VF256  
M2GL010T-VF256I  
M2GL010T-VF400  
M2GL010T-VF400I  
M2GL010T-VFG256  
M2GL010T-VFG256I  
M2GL010T-VFG400  
M2GL010T-VFG400I  
M2GL010TS-1FG484  
M2GL010TS-1FG484I  
M2GL010TS-1FG484M  
M2GL010TS-1FGG484  
M2GL010TS-1FGG484I  
M2GL010TS-1FGG484M  
M2GL010TS-1FGG484T2  
M2GL010TS-1VF256  
M2GL010TS-1VF256I  
M2GL010TS-1VF400  
M2GL010TS-1VF400I  
M2GL010TS-1VFG256  
M2GL010TS-1VFG256I  
M2GL010TS-1VFG256T2  
M2GL005-TQG144X417  
M2GL005-VF256  
M2GL005-VF256I

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2GL005-VF256IX417

M2GL005-VF256X456

M2GL005-VF400

M2GL005-VF400I

M2GL005-VFG256

M2GL005-VFG256I

M2GL005-VFG256IX417

M2GL005-VFG256Q134

M2GL005-VFG256X416

M2GL005-VFG256X456

M2GL005-VFG400

M2GL005-VFG400I

M2GL005-VFG400X456

M2GL005S-1FG484

M2GL005S-1FG484I

M2GL005S-1FGG484

M2GL005S-1FGG484I

M2GL005S-1FGG484T2

M2GL005S-1TQG144

M2GL005S-1TQG144I

M2GL005S-1TQG144T2

M2GL005S-1VF256

M2GL005S-1VF256I

M2GL005S-1VF400

M2GL005S-1VF400I

M2GL005S-1VFG256

M2GL005S-1VFG256I

M2GL005S-1VFG256T2

M2GL005S-1VFG400

M2GL005S-1VFG400I

M2GL005S-1VFG400T2

M2GL005S-FG484

M2GL005S-FG484I

M2GL005S-FGG484

M2GL005S-FGG484I

M2GL005S-TQG144

M2GL005S-TQG144I

M2GL005S-VF256

M2GL005S-VF256I

M2GL005S-VF400

M2GL005S-VF400I

M2GL005S-VFG256

M2GL005S-VFG256I

M2GL005S-VFG400

M2GL005S-VFG400I

M2GL010-1FG484

M2GL010-1FG484I

M2GL010-1FG484IX417

M2GL010-1FGG484



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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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~~M2GL010-1FGG484I~~

M2GL010-1FGG484T1

M2GL010-1FGG484T1X7

M2GL010-1TQG144

M2GL010-1TQG144I

M2GL010-1VF256

M2GL010-1VF256I

M2GL010-1VF400

M2GL010-1VF400I

M2GL010-1VFG256

M2GL010-1VFG256I

M2GL010-1VFG256IX418

M2GL010-1VFG400

M2GL010-1VFG400I

M2GL010-FG484

M2GL010-FG484I

M2GL010-FG484MX399

M2GL010-FG484X456

M2GL010-FGG484

M2GL010-FGG484I

M2GL010-FGG484IX417

M2GL010-FGG484X413

M2GL010-FGG484X416

M2GL010-FGG484X417

M2GL010-FGG484X440

M2GL010-FGG484X456

M2GL010-TQG144

M2GL010-TQG144I

M2GL010-TQG144IX418

M2GL010-TQG144Q046

M2GL010-VF256

M2GL010-VF256I

M2GL010-VF256X456

M2GL010-VF400

M2GL010-VF400I

M2GL010-VF400IX416

M2GL010-VF400X416

M2GL010-VFG256

M2GL010-VFG256I

M2GL010-VFG256X456

M2GL010-VFG400

M2GL010-VFG400I

M2GL010-VFG400IX413

M2GL010-VFG400IX416

M2GL010-VFG400X416

M2GL010S-1TQG144

M2GL010S-1TQG144I

M2GL010S-1TQG144IX28

M2GL010S-1TQG144T2

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2GL010S-1TQG144

M2S150TS-FCS536I

M2S150TS-FCSG536

M2S150TS-FCSG536I

M2S150TS-FCSG536X416

M2S150TS-FCV484

M2S150TS-FCV484I

M2S150TS-FCVG484

M2S150TS-FCVG484I

M2S150TS-WAFERLOT

M2S150TS-WAFERLOTX417

M2S060TS-FGG676IH0318

M2GL005-1FG484

M2GL005-1FG484I

M2GL005-1FG484IX417

M2GL005-1FGG484

M2GL005-1FGG484I

M2GL005-1FGG484T1

M2GL005-1TQG144

M2GL005-1TQG144I

M2GL005-1VF256

M2GL005-1VF256I

M2GL005-1VF400

M2GL005-1VF400I

M2GL005-1VFG256

M2GL005-1VFG256I

M2GL005-1VFG400

M2GL005-1VFG400I

M2GL005-FG484

M2GL005-FG484I

M2GL005-FG484IX416

M2GL005-FGG484

M2GL005-FGG484I

M2GL005-FGG484IX377

M2GL005-FGG484IX399

M2GL005-FGG484IX416

M2GL005-TQG144

M2GL005-TQG144I

M2GL005-TQG144IX6

M2GL025TS-FGG484I

M2GL025TS-VF256

M2GL025TS-VF256I

M2GL025TS-VF400

M2GL025TS-VF400I

M2GL025TS-VFG256

M2GL025TS-VFG256I

M2GL025TS-VFG400

M2GL025TS-VFG400I

M2GL050-1FCS325

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2GL050-1FCS325I

M2GL050-1FCSG325

M2GL050-1FCSG325I

M2GL050-1FG484

M2GL050-1FG484I

M2GL050-1FG484IX417

M2GL050-1FG896

M2GL050-1FG896I

M2GL050-1FGG484

M2GL050-1FGG484I

M2GL050-1FGG896

M2GL050-1FGG896I

M2GL050-1VF400

M2GL050-1VF400I

M2GL050-1VFG400

M2GL050-1VFG400I

M2GL050-FCS325

M2GL050-FCS325I

M2GL050-FCSG325

M2GL050-FCSG325I

M2GL050-FG484

M2GL050-FG484I

M2GL050-FG484X413

M2GL050-FG484X456

M2GL050-FG896

M2GL050-FG896I

M2GL050-FGG484

M2GL050-FGG484I

M2GL050-FGG896

M2GL050-FGG896I

M2GL050-FGG896X377

M2GL050-FGG896X399

M2GL050-VF400

M2GL050-VF400I

M2GL050-VFG400

M2GL050-VFG400I

M2GL050T-1FCS325

M2GL050T-1FCS325I

M2GL050T-1FCSG325

M2GL050T-1FCSG325I

M2GL050T-1FG484

M2GL050T-1FG484I

M2GL050T-1FG484M

M2GL050T-1FG484MX399

M2GL050T-1FG484MX417

M2GL050T-1FG484MX440

M2GL050T-1FG484MX471

M2GL050T-1FG484MX512

M2GL050T-1FG896

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2GL050T-1FG896I  
M2GL050T-1FGG484  
M2GL050T-1FGG484I  
M2GL050T-1FGG484M  
M2GL050T-1FGG484X417  
M2GL050T-1FGG484X452  
M2GL050T-1FGG896  
M2GL050T-1FGG896I  
M2GL050T-1FGG896IX417  
M2GL050T-1FGG896X416  
M2GL050T-1FGG896X417  
M2GL050T-1FGG896X453  
M2GL050T-1VF400  
M2GL050T-1VF400I  
M2GL050T-1VFG400  
M2GL050T-1VFG400I  
M2GL050T-FCS325  
M2GL050T-FCS325I  
M2GL050T-FCSG325  
M2GL050T-FCSG325I  
M2GL050T-FG484  
M2GL050T-FG484I  
M2GL050T-FG896  
M2GL050T-FG896I  
M2GL050T-FGG484  
M2GL050T-FGG484I  
M2GL050T-FGG896  
M2GL050T-FGG896I  
M2GL050T-VF400  
M2GL050T-VF400I  
M2GL050T-VFG400  
M2GL050T-VFG400I  
M2GL050TS-1FCS325  
M2GL050TS-1FCS325I  
M2GL050TS-1FCSG325  
M2GL050TS-1FCSG325I  
M2GL050TS-1FG484  
M2GL050TS-1FG484I  
M2GL050TS-1FG484M  
M2GL050TS-1FG896  
M2GL050TS-1FG896I  
M2GL050TS-1FGG484  
M2GL050TS-1FGG484I  
M2GL050TS-1FGG484M  
M2GL050TS-1FGG896  
M2GL050TS-1FGG896I  
M2GL050TS-1VF400  
M2GL050TS-1VF400I  
M2GL050TS-1VFG400

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NTDO-07TQPL456 - eSign # E000070490 Final Notice: Release of an update to application note AN4153 (AC393) to include Smartfusion2/IGLOO2 FPGA VDD surge current when exiting system controller suspend mode case for selected products in FPGA family, including M2Sx and M2GLx devices.

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M2GL050TS-1VFG400I  
M2GL050TS-FCS325  
M2GL050TS-FCS325I  
M2GL050TS-FCSG325  
M2GL050TS-FCSG325I  
M2GL050TS-FG484  
M2GL050TS-FG484I  
M2GL050TS-FG896  
M2GL050TS-FG896I  
M2GL050TS-FGG484  
M2GL050TS-FGG484I  
M2GL050TS-FGG896  
M2GL050TS-FGG896I  
M2GL050TS-VF400  
M2GL050TS-VF400I  
M2GL050TS-VFG400  
M2GL050TS-VFG400I  
M2GL060-1FCS325  
M2GL060-1FCS325I  
M2GL060-1FCSG325  
M2GL060-1FCSG325I  
M2GL060-1FG484  
M2GL060-1FG484I  
M2GL060-1FG676  
M2GL060-1FG676I  
M2GL060-1FGG484  
M2GL060-1FGG484I  
M2GL060-1FGG484T1  
M2GL060-1FGG676  
M2GL060-1FGG676I  
M2GL060-1VF400  
M2GL060-1VF400I  
M2GL060-1VFG400  
M2GL060-1VFG400I  
M2GL060-FCS325  
M2GL060-FCS325I  
M2GL060-FCSG325  
M2GL060-FCSG325I  
M2GL060-FG484  
M2GL060-FG484I  
M2GL060-FG484X456  
M2GL060-FG676