



Product Change Notification / SYST-29NNYS619

Date:

04-Mar-2024

Product Category:

Radiation Tolerant Fpgas

PCN Type:

Document Change

Notification Subject:

Data Sheet - RTG4™ FPGA Datasheet

Affected CPNs:

[SYST-29NNYS619_Affected_CPN_03042024.pdf](#)

[SYST-29NNYS619_Affected_CPN_03042024.csv](#)

Notification Text:

SYST-29NNYS619

Microchip has released a new Datasheet for the RTG4™ FPGA Datasheet of devices. If you are using one of these devices please read the document located at [RTG4™ FPGA Datasheet](#).

Data Sheet - RTG4™ FPGA Datasheet

Notification Status: Final

Description of Change:Revision D, 02/2024

- Updated package numbers in Table 1-5. Package Thermal Resistance.
- Added section for Export Control Classification Number (ECCN) information.
- Updated hyperlinks to Microchip webpages.
- Added comment to section 4.8.6 LVPECL about external resistor termination

requirement while not using on-die termination.

- Corrected typo in Table 13-2. Fabric PLL Output Clock Jitter Specification, by replacing f_{IN} with f_{OUT_CCC}.
- Removed note under Table 13-2. Fabric PLL Output Clock Jitter Specification and Table 13-3. Maximum MSIO Input Buffer Jitter Added to Input Clocks Directly Driving Globals about the clock jitter equations applying down to 10 MHz.

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 04 Mar 2024

NOTE: Please be advised that this is a change to the document only the product has not been changed.

Markings to Distinguish Revised from Unrevised Devices: N/A

Attachments:

[RTG4™ FPGA Datasheet](#)

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

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Affected Catalog Part Numbers (CPN)

- RT4G150-1LG1657EX323
- RT4G150-1CQ352EX517
- RT4G150-CQ352EX507
- RT4G150-1LGG1657BX510
- RT4G150-CQ352VX510
- RT4G150-CQ352EX323
- RT4G150-CG1657BX519
- RT4G150L-CG1657VX323
- RT4G150L-CQ352VX510
- RT4G150-1CG1657BX519
- RT4G150-CG1657VX510
- RT4G150-1LG1657EX512
- RT4G150L-CG1657BX323
- RT4G150L-CG1657VX130
- 5962-1620833QXF
- 5962-1620836QXF
- 5962-1620837QXF
- 5962-1620834QZC
- RT4G150L-CQ352BX54
- 5962-1620831QZC
- 5962-1620832QXF
- RT4G150-1LG1657BX510
- RT4G150-1LG1657EX510
- 5962-1620828QXF
- 5962-1620829QXF
- 5962-1620830QZC
- RT4G150-CGG1657EX517
- 5962-1620835QZC
- 5962-1620838QZC
- 5962-1620839QZC
- RT4G150-CQ352EX259
- RT4G150-1CGG1657BX510
- RT4G150-1LG1657VX3
- RT4G150-CQ352BX512
- RT4G150L-CQ352BX512
- RT4G150-1CQ352PROTOX542
- RT4G150-CQ352PROTOX542
- RT4G150L-CG1657EX512
- RT4G150-1CQ352BX3
- RT4G150-1CQ352VX259
- RT4G150-1CG1657BX517
- RT4G150-CQ352EX3
- RT4G150-CQ352VX323
- RT4G150-CQ352EX444
- RT4G150-1CQ352EX510
- RT4G150-1CG1657VX533

RT4G150-1CG1657EX517
RT4G150-LG1657EX504
RT4G150-1LGG1657PROTO
RT4G150-1LGG1657R
RT4G150-LGG1657M
RT4G150-LGG1657PROTO
RT4G150-1CQ352VX130
RT4G150-1LGG1657B
RT4G150-1CG1657VX510
RT4G150-LGG1657R
RT4G150L-LGG1657R
RT4G150L-LGG1657M
RT4G150L-LGG1657PROTO
RT4G150-1LGG1657M
RT4G150-CG1657EX264
RT4G150-1CG1657EV269
RT4G150-1CQ352VX512
RT4G150-1CG1657PROTOX542
RT4G150-CQ352VX130
RT4G150-1CQ352EX259
RT4G150L-CQ352EX259
RT4G150-CBG1657PROTO
RT4G150-CQG352PROTO
RT4G150-1CBG1657PROTO
RT4G150-1CG1657VX323
RT4G150-1CQG352PROTO
RT4G150-CGG1657R
RT4G150-CGG1657M
RT4G150-CGG1657PROTO
RT4G150-1CGG1657R
RT4G150-CGG1657B
RT4G150-CGG1657E
RT4G150-1CGG1657E
RT4G150-CQ352BX3
RT4G150-1CGG1657B
RT4G150-1CGG1657PROTO
RT4G150-1CG1657VX269
RT4G150-1CQ352EX512
RT4G150-1CG1657EX130
RT4G150-1CG1657EX444
RT4G150-CG1657VX543
RT4G150-CQ352EX510
RT4G150-CG1657VX264
RT4G150-1CG1657EX259
RT4G150-1CG1657VX539
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