

PCN#: 0V1912-01

Product Change Notice (PCN)

Subject: Change in the current Q-die memory used in our product(s) to a new version called F-

die memory.

Publication Date: 1/16/2020 Effective Date: 4/16/2020

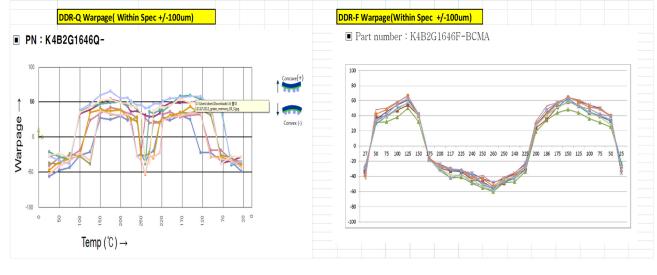
Revision Description:

Initial Release

Description of Change:

This notification is to advise our customers that our supplier Samsung Semiconductor has changed the current Q-die memory used in our product(s) to a new version called F-die memory. There is shrink in SDRAM process geometry from 35nm (Q-die) to 25.3nm (F-die). Other than the SDRAM change there will be no other changes to the parts referenced in this PCN.

Details of the change are documented as below. K4B2G1646Q-BCMA K4B2G1646F-BCMA 1. 4 DDR compo change from Package Type 96FCFBGA 96FCFBGA K4B2G1646O-BCMA to K4B2G1646F-BCMA Technology 25.3nm Die -Size Chip Thickness 0.2mm 0.2mm 2. No other changes to Substrate-Core 0.2mm 0.2mm rest of the BOM 0.26mm Substrate thickness 0.26mm Flip chip - Cu+Solde 1st Interconnection Flip chip - Cu+Solde Mold Compound Epoxy Mold Compound Epoxy Mold Compo Lead-Free Sn:Ag:Cu=(97:2.5:0.5) Lead-Free Sn:Ag:Cu=(97:2.5:0.5)





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Affected Product List:

DX7753-ULG2B01-A4

Reason for Change:

Our supplier Samsung Semiconductor has changed the current Q-die memory used in our product(s) to a new version called F-die memory.

Impact on Fit, Form, Function, Quality & Reliability:

No change to the form, fit, function, quality, or reliability of the product except the change in SDRAM.

Product Identification:

A new orderable part number 'DX7753-ULG2F01-A4' is issued to distinguish this change. The current version of this device is being discontinued (PDN# OV-19-03).

Current Orderable Part	New Orderable Part
DX7753-ULG2B01-A4	DX7753-ULG2F01-A4

Qualification Status: Completed **Sample Availability Date:** 1/16/2020

Device Material Declaration: Available upon request

Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Renesas within 30 days of the publication date.

For additional information regarding this notice, please contact idt-pcn@lm.renesas.com