

Product Change Notification

Samsung to Micron Flash migration

Description

Samsung has announced end of live for their SLC NAND flash devices which are used on the TX53. A Micron replacement will be used instead. A minor change is needed for some software as described below because of the different ID of the Micron flash.

Item	Samsung		Micron
Part Number	K9F1G08U0D	K9F1G08U0E	MT29F1G08ABAEAWP-ITX:E
Page size	2112 bytes (2048 + 64 bytes)		
Block size	64 pages (128K + 4K bytes)		
Device size	1Gb: 1024 blocks		
Page Read Time	35µs	40µs	25µs
Page Program Time (max.)	750µs	900µs	600µs
Block Erase Time (max.)	10ms	16ms	3ms
Program/Erase Endurance	100K cycles	50K cycles	100K cycles
Max. Number of Page Program Cycles	4	1	4

Software requirements

Type	Requirements
RedBoot	February 2015 release or later
U-Boot	No Change Needed
Linux	No Change Needed
Windows Embedded Compact 7	BSP Version 1.7D or later

Milestones

Date of Samsung to Micron migration: mid of 2015

Should you have any issues with the timeline or content of this change, please contact the Ka-Ro electronics. No response from customers will be deemed as acceptance of the change and the change will be implemented pursuant to the key milestone set forth in this PCN.

Ordering information

No change.

AFFECTED MPNS

TX53-8030

TX53-8130

TX53-1030

TX53-1331

TX53-1232