



Customer Information Notification

2021040471 : Release of Rev "2" DataSheet Document for LS1088A Family of Devices

Note: This notice is NXP Company Proprietary.

Issue Date: Jun 05, 2021 **Effective date:**Jun 06, 2021

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Management summary

Release of Rev "2" Datasheet Document for LS1088A Family of Devices

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 checked="" type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware	<input type="checkbox"/> Other			

PCN Overview

Description

The following changes were made to the LS1088A datasheet:

- Updated Table 1:
 - o removed reference to note 13 in EMI1_MDC/GPIO4_00
 - o added a reference to note 13 in EMI2_MDIO/GPIO2_21
 - o updated note 13
- Added two notes in Power sequencing.
- Updated the figure name in Differential system clock (DIFF_SYSCLK/DIFF_SYSCLK_B) timing specifications.
- Removed 0.54 in max values for ECn_GTX_CLK125 rise and fall time in Table 18.
- Updated the first parameter/condition and added the second parameter/condition in Table 21.
- Updated VIH and VIL in Table 22 and Table 23.
- Updated min and max for I/O leakage current in Table 25.
- Updated for rise time (20%-80%) and fall time (20%-80%) in RGMII AC timing specifications table in RGMII interface.
- Updated PCI express specification to 1.0 for PCI express 2.5 GT/s in PCI Express AC physical layer receiver specifications, PCI Express AC physical layer transmitter specifications, PCI Express

DC

physical layer transmitter specifications, and PCI Express DC physical layer receiver specifications.

Reason

Notify customers of the datasheet changes.

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.

For specific questions on this notice or the products affected please contact our specialist directly:

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
LS1048ASE7Q1A	935361133557	LS1048ASE7Q1A	LS1048A 1600/2100 ST WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048ASN7Q1A	935361134557	LS1048ASN7Q1A	LS1048A 1600/2100 Rev A	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048AXE7Q1A	935361135557	LS1048AXE7Q1A	LS1048A 1600/2100 XT WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048AXN7Q1A	935361136557	LS1048AXN7Q1A	LS1048A 1600/2100 XT RvA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084ASE7Q1A	935361137557	LS1084ASE7Q1A	LS1084A 1600/2100 ST WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084ASN7Q1A	935361138557	LS1084ASN7Q1A	LS1084A 1600/2100 Rev A	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084AXE7Q1A	935361139557	LS1084AXE7Q1A	LS1084A 1600/2100 XT WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084AXN7Q1A	935361141557	LS1084AXN7Q1A	LS1084A 1600/2100 XT RvA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088ASE7Q1A	935361142557	LS1088ASE7Q1A	LS1088A 1600/2100 WE RvA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088ASN7Q1A	935361143557	LS1088ASN7Q1A	LS1088A 1600/2100 Rev A	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088AXE7Q1A	935361144557	LS1088AXE7Q1A	LS1088A 1600/2100 XTWE rA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088AXN7Q1A	935361145557	LS1088AXN7Q1A	LS1088A 1600/2100 XT RvA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048ASE7PTA	935361151557	LS1048ASE7PTA	LS1048A 1400/1800 ST WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048ASN7PTA	935361152557	LS1048ASN7PTA	LS1048A 1400/1800 Rev A	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048AXE7PTA	935361153557	LS1048AXE7PTA	LS1048A 1400/1800 XT WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048AXN7PTA	935361154557	LS1048AXN7PTA	LS1048A 1400/1800 XT RvA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084ASE7PTA	935361155557	LS1084ASE7PTA	LS1084A 1400/1800 ST WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084ASN7PTA	935361156557	LS1084ASN7PTA	LS1084A 1400/1800 Rev A	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084AXE7PTA	935361157557	LS1084AXE7PTA	LS1084A 1400/1800 XT WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084AXN7PTA	935361158557	LS1084AXN7PTA	LS1084A 1400/1800 XT RvA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088ASE7PTA	935361159557	LS1088ASE7PTA	LS1088A 1400/1800 WE RvA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088ASN7PTA	935361161557	LS1088ASN7PTA	LS1088A 1400/1800 RevA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088AXE7PTA	935361162557	LS1088AXE7PTA	LS1088A 1400/1800 XT WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088AXN7PTA	935361163557	LS1088AXN7PTA	LS1088A 1400/1800 XT RvA	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048ASE7MQA	935361269557	LS1048ASE7MQA	LS1048A 1200/1600 ST WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048ASN7MQA	935361272557	LS1048ASN7MQA	LS1048A 1200/1600 ST	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048AXE7MQA	935361274557	LS1048AXE7MQA	LS1048A 1200/1600 XT WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1048AXN7MQA	935361276557	LS1048AXN7MQA	LS1048A 1200/1600 XT	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084ASE7MQA	935361278557	LS1084ASE7MQA	LS1084A 1200/1600 ST WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084ASN7MQA	935361281557	LS1084ASN7MQA	LS1084A 1200/1600 ST	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084AXE7MQA	935361283557	LS1084AXE7MQA	LS1084A 1200/1600 XT WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1084AXN7MQA	935361285557	LS1084AXN7MQA	LS1084A 1200/1600 XT	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088ASE7MQA	935361291557	LS1088ASE7MQA	LS1088A 1200/1600 ST WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088ASN7MQA	935361293557	LS1088ASN7MQA	LS1088A 1200/1600 ST	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088AXE7MQA	935361295557	LS1088AXE7MQA	LS1088A 1200/1600 XT WE	FCPBGA780L	SOT1653-1	RFS	No	BLDN
LS1088AXN7MQA	935361297557	LS1088AXN7MQA	LS1088A 1200/1600 XT	FCPBGA780L	SOT1653-1	RFS	No	BLDN