



Product Change Notification / SYST-13UMRA738

Date:

15-Jul-2021

Product Category:

USB Hubs

PCN Type:

Document Change

Notification Subject:

Data Sheet - USB5926 - 6-Port USB 3.2 Gen 1 SmartHub with Support for Multi USB Type-C UFP and DFP Data Sheet Document Revision

Affected CPNs:

[SYST-13UMRA738_Affected_CPN_07152021.pdf](#)
[SYST-13UMRA738_Affected_CPN_07152021.csv](#)

Notification Text:

SYST-13UMRA738

Microchip has released a new Product Documents for the USB5926 - 6-Port USB 3.2 Gen 1 SmartHub with Support for Multi USB Type-C UFP and DFP of devices. If you are using one of these devices please read the document located at [USB5926 - 6-Port USB 3.2 Gen 1 SmartHub with Support for Multi USB Type-C UFP and DFP](#).

Notification Status: Final

Description of Change:

- 1) Figure 8-1, Figure 8-2, Figure 8-3, Figure 8-4, Figure 8-5
 - (a) Updated figures
 - (b) Updated USB 3.1 to USB 3.2 throughout the document.
- 2) Table 10-3 • Updated Power Numbers: Reset, No VBUS and Global Suspend

3) Cover

- (a) Added new Highlight bullet/sub-bullets regarding USB-IF ECN support (Revision C or newer only).
- (b) Added sub-bullet under PHYBoost: “USB 2.0 Hi-Speed disconnect threshold adjust (Revision C or newer only)”

4) Section 1.2, Reference Documents Updated USB specification reference.

5) Section 3.0, Pin Descriptions

- (a) Removed GPIO10 and GPIO72 from pins 21 and 22. Replaced with NC (No Connect).
- (b) Removed GPIO16 from pin 24.

6) Section 9.0, Compliance Update Added new compliance update section.

7) Section 10.1, Absolute Maximum Ratings*

- (a) Updated HBM ESD Performance to 2.5 kV

8) Product Identification System

- (a) Added “C” to part number ordering codes/examples.
- (b) Added note 2: Devices prior to silicon revision C do not include upgrades described in Chapter 9: Compliance Updates.
- (c) Added direction of unreeling diagram

9) Section 8.7.2.1, Enabling Port Splitting, Table 8-7

- (a) Updated procedure with additional step to set the global Port Split enable bit in the Global Port Split Enable Register.
- (b) Added Global Port Split Enable Register definition.

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 15 Jul 2021

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:

USB5926 - 6-Port USB 3.2 Gen 1 SmartHub with Support for Multi USB Type-C UFP and DFP

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Affected Catalog Part Numbers (CPN)

USB5926-I/KD

USB5926/KD

USB5926C-I/KD

USB5926C/KD

USB5926CT-I/KD

USB5926CT/KD

USB5926T-I/KD

USB5926T/KD