



Product Change Notification / SYST-06CWBB642

Date:

11-Nov-2020

Product Category:

Microprocessors, Wireless Modules

PCN Type:

Document Change

Notification Subject:

Data Sheet - IEEE-802.11-b-g-n-Link-Controller-Module-with-Integrated-Bluetooth-5.0-DS70005327B

Affected CPNs:

[SYST-06CWBB642_Affected_CPN_11112020.pdf](#)

[SYST-06CWBB642_Affected_CPN_11112020.csv](#)

Notification Text:

SYST-06CWBB642

Microchip has released a new Product Documents for the IEEE-802.11-b-g-n-Link-Controller-Module-with-Integrated-Bluetooth-5.0-DS70005327B of devices. If you are using one of these devices please read the document located at [IEEE-802.11-b-g-n-Link-Controller-Module-with-Integrated-Bluetooth-5.0-DS70005327B](#).

Notification Status: Final

Description of Change: This revision includes the following changes

Revision	Date	Section	Description
----------	------	---------	-------------

B	11/2020	Document	<ul style="list-style-type: none"> • Support for Bluetooth SIG 5.0 • Added <ul style="list-style-type: none"> - 13.3 ATWILC3000-MR110UA Placement and Routing Guidelines - 14.1.3 Approved External Antennas - 13.4 Approved Antenna Types • Updated Master and Slave with Host and Client as per Corporate Social Responsibility (CSR) adoption
		3. Pinout and Package Information	Updated <ul style="list-style-type: none"> • Figure 3-1, Table 3-1, and Added Note • Updated pin description of Pin 14, 15, 29, 30, 31, 32, 34 and 35
		4.4.2 Transmitter Performance	Added Table 4-6
		4.6.2 SPI Client Timing	<ul style="list-style-type: none"> • Updated • Added Note and moved SPI Slave Clock Polarity and Clock Phase Timing figure
		7.3 Nonvolatile Memory (eFuse)	Updated
		8. WLAN Subsystem	Added footnotes for Short GI feature
		10. External Interfaces	Added Note
		10.3.1 SPI Client Mode	Added Note
		Table 5-1	Updated
		10.6 GPIOs	Added Note
		11. Application Reference Design	Updated <ul style="list-style-type: none"> • Figure 11-1 • Figure 11-2
		12. Module Outline Drawings	Updated and added
		SPI Master Timing, SPI Master Interface, PCM Interface	Removed these sections
		14. Appendix A: Regulatory Approval	<ul style="list-style-type: none"> • Added 14. Gain Table for Individual Regulatory Region • Updated 14.1 United States and 14.2 Canada with the details of antennas used for approval • Revamped 14.3 Europe • For ATWILC3000-MR110CA module, added regulatory approval received for 14.4 Japan, 14.5 Korea, 14.6 Taiwan and 14.7 China • For ATWILC3000-MR110UA module, added regulatory approval for 14.1 United States, 14.2 Canada and 14.3 Europe
		15. Reference Documentation	Updated

Impacts to Data Sheet: None
Reason for Change: To Improve Manufacturability
Change Implementation Status: Complete

Date Document Changes Effective: 11 Nov 2020

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:

[IEEE-802.11-b-g-n-Link-Controller-Module-with-Integrated-Bluetooth-5.0-DS70005327B](#)

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

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

ATWILC3000-MR110CA

ATWILC3000-MR110CA010

ATWILC3000-MR110UA

ATWILC3000-MR110UA-T