

Product Advisory

Issue Date: 25-April-2023

Change Description:

Datasheet update 89834-DS108

Parts Affected:

BCM89834A0AFBG

BCM89834A0BFBG

Description and Extent of Change:

Datasheet revision: 89834-DS108 is released on April 3rd, 2023 (available on docsafe).

Section	Changes:	Impact	From	To
Features	Add pin compatible 1000BASE-T1 PHYs part number	No	81-pin FBGA package	81-pin FBGA package (pin compatible with the BCM89883/BCM89887 1000BASE-T1 PHYs)
Figure 1	Update the GTXCLK direction	No	Input	Bi-direction.
Section 1.15	Add more description and update the register setting	Typo correction	RGMII-to-SGMII (Slave)	RGMII-to-SGMII
Table 18	Update GTXCLK I/O type	No	IPD	I/OPD
Figure 30	Updated the RGMII Output Timing.	Typo correction	No RXC delay	RXC delay
Section 4.15.4	Add more bits description	No	RESERVED	Bit[11] (RGMII2SGMII1G_MODE) and bit[8] (SGMII_FIBER_SIG_DET)
Section 4.15.5	Add more bits description	No	2'b10: N/A	2'b10: 1000 Mb/s

Reasons for Change:

Update the documentation (i.e. datasheet). Please see above table for description for the changes.



Effect of Change on Fit, Form, Function, Quality, or Reliability:

No change to fit, form, function, quality, or reliability. This is a datasheet change only; the actual product does not change.

Effective Date of Change:

Latest revisions are available on the Customer Support Portal and should be referenced for all existing and new designs. - Datasheet 89834-DS108 was released on April 3rd, 2023.

Qualification Data:

N/A

Software / Firmware Update:

N/A

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please acknowledge the receipt of the notice within 30 days of delivery. Lack of acknowledgement within 30 days constitutes acceptance of the change per JEDEC J-STD-046.