

PCN-255484

Product Change Notice

Issue Date: 20-October-2022

Change Description:

Update to product accuracy characteristic during start-up/power-up conditions

Parts Affected:

Table 1: Affected product series

Broadcom Part Number Series	Product Descriptions
AS33-M42M-xxx	42-Bit Full Magnetic Energy Harvesting Multi-Turn Absolute Encoder Module
QS33-P42M-xxx	Customized series based on AS33 products

Description and Extent of Change:

Product specification is updated to reflect characteristics observed through empirical data collected across different use case scenarios.

At power-up conditions, the system accuracy error may be higher than the typical value due to the variation in user application and setup. Active compensation function of the products takes effect to correct the accuracy error after multiple angular rotations.

Reasons for Change:

Product specification table is updated to reflect actual product performance.

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

There is no impact to product Form, Fit & Function of the products.

Effective Date of Change:

The update of the product specification is effective immediately. Revised product datasheet is available in www.broadcom.com.

Appendix 1

A	Module Encoder Product Part Number
1	AS33-M42M-B53
2	AS33-M42M-B54
3	AS33-M42M-B73
4	AS33-M42M-B74
5	AS33-M42M-K53
6	AS33-M42M-K54
7	AS33-M42M-K73
8	AS33-M42M-K74
9	AS33-M42M-S53
10	AS33-M42M-S54
11	AS33-M42M-S73
12	AS33-M42M-S74
B	Encoder PCBA Part Number
13	QS33-P42M-B5L
14	QS33-P42M-S5L

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.

