



PCN: V15-001-E47540-M1

Product Change Notice

Issue Date: Jan 27, 2015

Change Type:

Product upgrade.

Part Affected:

CFP2, 850nm, 100GBASE-SR10 Compliant Pluggable 100G Ethernet Optical Transceiver

Current Part Number	New Part Number
AFBR-8420Z	AFBR-8422IDZ

Description and Extent of Change:

Microcontroller upgrade

Reasons for Change:

Support additional common data block (CDB) functionality on the product.

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

- There will be no change to the form, fit, quality and reliability of the product.
- Improve functionality of the product compliant to the CFP MSA.
- The product specification, subcomponents and manufacturing process will be identical to existing location.

Effective Date of Change:

Effective date of this change will be (Date code – 1518) April 27, 2015, or earlier with customer’s approval. The timing of shipment will vary by part number depending on customer demand and inventory levels.

Recommended Action to be Taken by Customer:

1. Please return any response as soon as possible, but not to exceed 30 days.
2. Sample requests must specify the PCN # stated above and shall be placed by your Avago Technologies Field Sales Representative through the Avago Technologies FOMFGS ordering system.

Qualification Data:

Qualification tests were performed according to the plan outlined below.

Leg	Test	Reference	Condition	Sample Size	Test Points	Result (Fail/Pass)
1	High Temperature Operating Life	Section 5.18 (GR-468-CORE)	Tcase = 70°C, Vcc=3.3V	11	168hrs, 500hrs, 1000hrs,	0 Failure @ 1K hrs
2	Temperature Cycling	MIL-STD-883 Method 1010	Ta = -40°C to +85°C, 15min dwell, 10min transfer	11	0, 100, 200, 500 cyc	0 Failure @ 500 cyc
3	ESD - HBM	JESD22-A114-B	Low Speed Pin -2KV High Speed Pin -1KV	6	0hrs, HBM Stress	0 Failure @ Post Test

These changes have been reviewed and approved by Avago Technologies engineers and managers per Avago Technologies procedure: Change Control and Customer Notification, A-5962-6052-80.

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.