



PCN: V14-007-E47540-MG

## Product Change Notice / End of Life Notice

Issue Date: November 24, 2014

### Change Type:

Major

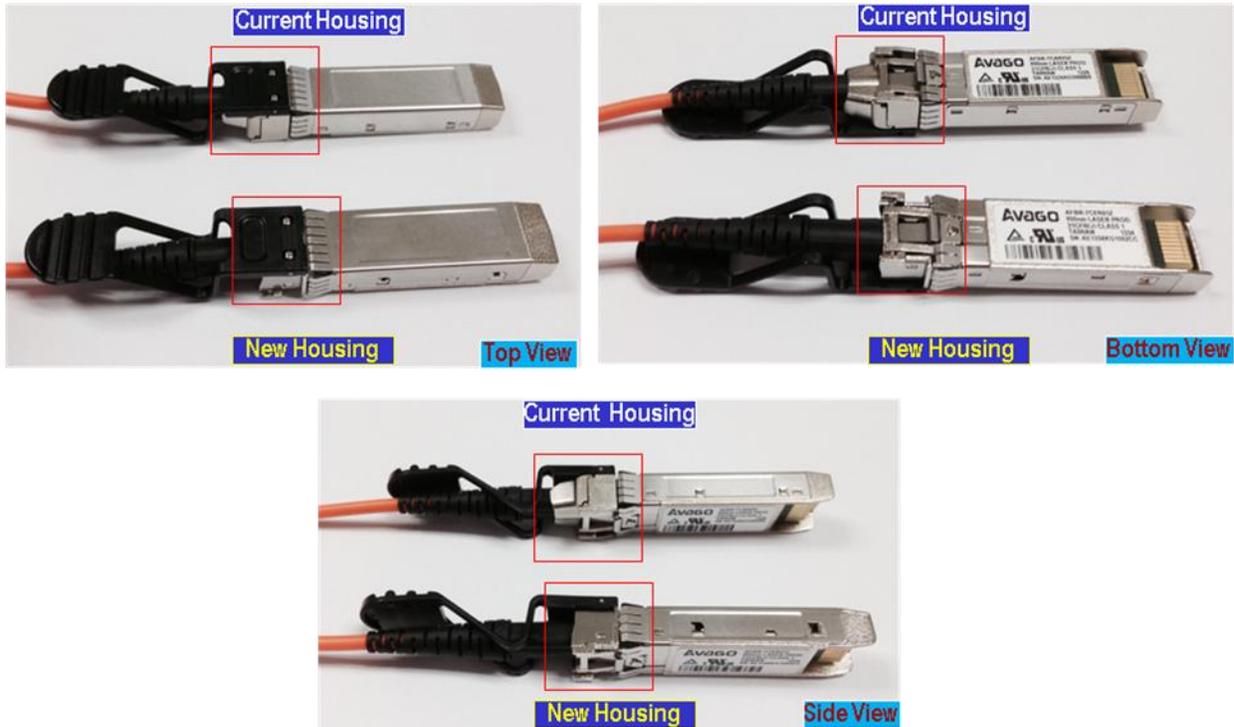
### Parts Affected:

Current Part Number	New Part Number
AFBR-7CER01Z	AFBR-2CAR01Z
AFBR-7CER02Z	AFBR-2CAR02Z
AFBR-7CER03Z	AFBR-2CAR03Z
AFBR-7CER05Z	AFBR-2CAR05Z
AFBR-7CER07Z	AFBR-2CAR07Z
AFBR-7CER10Z	AFBR-2CAR10Z
AFBR-7CER15Z	AFBR-2CAR15Z
AFBR-7CER20Z	AFBR-2CAR20Z
AFBR-7CER0AZ	AFBR-2CAR0AZ
AFBR-7CER0BZ	AFBR-2CAR0BZ
AFBR-7CER0CZ	AFBR-2CAR0CZ
AFBR-7CER0DZ	AFBR-2CAR0DZ
AFBR-7CAR01Z	AFBR-2CAR01Z
AFBR-7CAR02Z	AFBR-2CAR02Z
AFBR-7CAR03Z	AFBR-2CAR03Z
AFBR-7CAR05Z	AFBR-2CAR05Z
AFBR-7CAR07Z	AFBR-2CAR07Z
AFBR-7CAR10Z	AFBR-2CAR10Z
AFBR-7CAR15Z	AFBR-2CAR15Z
AFBR-7CAR20Z	AFBR-2CAR20Z

### Description and Extent of Change:

1. Set up two alternative manufacturing sites: Amertron ISK and Foxconn Interconnect Technologies (FIT) for SFP+ AOC products.
2. Housing design improvement for improved manufacturability.
  - o Integrate metal housing and EMI collar to single piece.
  - o Integrate strain relief into the bottom housing.
3. Plastic Molded shipment tray changed to ESD Protective Bag with plastic molded clam shell on the modules

## Housing Change



## Shipment Packaging Change

Tray (current)	Bag (New)
	

### Reasons for Change:

1. Support assurance of supply and business continuity planning objective.
2. To improve manufacturability and assurance of supply.
3. To improve shipment handling.

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

- There is no change fit, function, quality and reliability of the product.
- The product specification, subcomponents and manufacturing process will be identical to existing location.

### Effective Date of Change:

Effective date of change is planned for February 24, 2015 (date code 1508). The timing of shipment will depend on inventory of existing part and customer demand. The implementation date could vary for each part number.

All AFBR-7CERxxZ and AFBR-7CARxxZ will be replaced with the new AFBR-2CARxxZ series and will no longer be available for purchase /shipment after February 2015. The AFBR-2CARxxZ series is a direct replacement with no change in form, fit or function.

**Qualification Data:**

Qualification tests were performed according to the plan outlined below.

Leg	Test	Reference	Stress Condition	Sample Size	Results
1	High Temperature Operating Life (HTOL)	Section 5.18 (GR-468-CORE)	Tc = 70°C, Vcc=3.3V Test Points, 168 hrs, 500hrs, 1K hrs, 2K hrs Qual Release: 2000Hrs	11	11/11 pass @ 2000hr
2	Un-Biased Damp Heat (UBDH)	MIL-STD-202 Method 103	Ta = 85°C, RH = 85%, Test Points, 168 hrs, 500 hrs, 1K hrs, Qual Release: 1000Hrs	11	11/11 pass @ 1000hr
3	Temperature Cycling (TMCL)	MIL-STD-883 Method 1010	Ta = -40°C/100°C 15 min. dwell @ Cold & Hot Temp 5 min. Transfer Qual Release: 500 Cyc	11	11/11 pass @ 500 cyc
4	Mechanical Shock (MS)	MIL-STD-883 Method 2002B	1500g, 0.5ms, 5shock/axis, 6axis	11	11/11 pass
5	Mechanical Vibration (MV)	MIL-STD-883 Method 2007	20g, 20 to 2000Hz, 3axis, 4min/cycle, 4cycle/axis	11	11/11 pass

**Recommended Action to be taken by Customer:**

- 1) Contact local Avago Sales Representative, if samples are needed for evaluation.
- 2) When requesting samples, please include product change notification number listed at the top right.
- 3) The PCN will be implemented after 90 days, unless there is an active engagement with respect to the change.

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.