PCN: V12-015-E47540-MA

Product Change and Obsolescence Notice

Issue Date: September 27, 2012
Revised: November 28, 2012

Change Type:
Improved Design

Parts Affected:

1000BASE-T 1.25Gbps SFP Electrical Transceiver

Existing Part Number:	*Equivalent New Part Number (New generation):*
ABCU-5710RZ	ABCU-5740RZ
ABCU-5700RZ	ABCU-5730RZ
ABCU-571NRZ	ABCU-5730GZ
ABCU-5712RZ	ABCU-5740RZ
ABCU-571BRZ	ABCU-5730GZ
ABCU-5702RZ	ABCU-5730RZ

Description and Extent of Change:
Introduce next generation of products which includes current product functionality and enhanced features. The new modules offer enhanced symmetry with Marvel 88E1111 rev B2 PHY and also feature Avago's new moving pin release mechanism.

In addition Avago introduced new products that include industrial temperature and SGMII. Please refer to the data sheet for details and part numbers.

Reasons for Change:
To introduce Avago's next generation of Cu SFP with enhanced features and functionality.

Effect of Change on Fit, Form, Function, Quality, or Reliability:
New delatch mechanism and improved product margin to IEEE802.3 specifications.

Effective Date of Change:
Last time buy for the existing Avago Part Numbers is by Feb, 27, 2013, and the last time shipment is September, 27, 2013. Please note that Avago Technologies reserves the right to limit last time buy quantities based on capacity and material availability.

Product shipments of new part numbers are now available.

Recommended Action to be taken by Customer:
1) Customers are strongly encouraged to switch to the recommended replacement parts stated above.
2) Please contact local Avago Sales Team to request samples.
3) Sample requests must specify the PCN # stated above.

Qualification Data:

Leg	Test	Reference	Condition	Sample Size	Results
1	High Temperature Operating Life (HTOL)	GR-468-CORE Section 5.18	Ta = 85° C, Vcc = 3.3 V	11	0/11 Failures @ 1000 hours
2	High Temperature Storage (HTS)	GR-468-CORE	Ta = 85° C, Release point:	11	0/11 Failures @ 1000 hours
3	Biased Damp Heat (BDH)	MIL-STD-202 Method 103	Tc = 85° C, RH = 85% Vcc = 3.3 V	11	0/11 Failures @ 1000 hours
4	Unbiased Damp Heat (uBDH)	MIL-STD-202 Method 103	Ta = 85° C, RH = 85%	11	0/11 Failures @ 1000 hours
5	Temperature Cycling (TMCL)	MIL-STD-883 Method 1010	Ta = 40° C to +85° C	11	0/11 Failures @ 500 cycle
6	Low Temperature Storage (LTS)	GR-468-CORE	Ta = -40° C	11	0/11 Failures @ 500 hours
7	Biased Cyclic Moisture Resistance (BCMR)	MIL-STD-883 Method 1004	Ta = -10° C to 65° C, biased Power on/off @ 30 min RH = 95%	11	0/11 Failures @ 40 cycle
8	Mechanical Shock (MS)	MIL-STD-883 Method 2002B	1500 g , 0.5 ms, 5 shocks/axis, 6 axis	11	0 Failure @ post MS
9	Mechanical Vibration (MV)	MIL-STD-883 Method 2007A	20 – 2000 Hz, 20 G 4 min/cycle, 4cycle/axis, 3 axis	11	0 Failure @ post MV
10	Thermal shock (TS)	MIL-STD-883 Method 1011.9	Ta = 40° C to +85° C	11	0/11 Failures @ 500 cycle
11	Electrical Mate Demate		Ta = 25° C, 100/200 mate/demate cycles performed on each cage.	11	0 Failure @ 200x insertions
12	ESD-HBM	JESD22-A114-B	As specified on product data sheet. Typically 2000 V except for high speed pins that are typically 1000 V	6	0 Failure @ post ESD-HBM

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.