

Product Change /EOL NOTIFICATION

Issue Date: June 16, 2021

Change Type:

New transceiver module design

Parts Affected:

1GE SX SFP, 850nm Multimode, -10 to 85°C & -40 to 85°C.

<u>Current Broadcom Part Number</u>	<u>New Broadcom Part Number</u>
AFBR-571xxxZ-xxx AFBR-570xxxZ-xxx	AFBR-5718xxxZ-xxx

Reason for Change:

New module design with non BRCM designed IC (laser driver/limiting amplifier & TIA) and alternate VCSEL & PIN.

In addition, manufacturing site will be in HiOptel/Venture which are also existing qualified CM for Broadcom.

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

There is no change to function, quality and reliability of products. The device specification will be identical as the current products. The delatch mechanism is consolidated to standard only (no bail option available).

Last time buy For Current Broadcom's PNs December 16, 2021**Last time Ship For Current Broadcom's PNs June 16, 2022**

Please note that orders will be accepted on a non-cancellable, non-returnable (NCNR) basis only. Broadcom reserves the right to limit last time buy quantities based on capacity and material availability.

Sample for new Broadcom PNs will be available now.

Product shipments using this change will begin on or after 14 September, 2021. Timing of shipment will depend on customer demand and inventory on-hand of current products.

Recommended Actions to be Taken by Customer:

Approve this PCN as soon as possible. Samples are available for evaluation if needed. Please contact local sales team to order samples.

Qualification Data

Table 1: Qualification Test Summary

Leg	Test	Reference	Condition	Sample Size	Test Points	Result (Fail/Pass)
1	High Temperature Operating Life	Section 5.18 (GR-468-CORE)	Tcase = 85°C, Vcc=3.3V, Release Point: 2000hrs	11	168, 500, 1000 & 2000 hrs	Pass
2	Biased Damp Heat	MIL-STD-202 Method 103	Ta = 85°C, RH = 85%, Vcc=3.3V, Release Point: 1000hrs,	11	168, 500, 1000 hrs	Pass
3	Un-Biased Damp Heat	MIL-STD-202 Method 103	Tcase=+85°C, RH = 85% Qual Release: 1000Hrs	11	168, 500, 1000 hrs	Pass
4	Temperature Cycling	MIL-STD-883 Method 1010	Ta = -40°C to +85°C, Release Point: 500 cyc,	11	0, 500 cyc	Pass
5a	Mechanical Shock (MS)	MIL-STD-883 Method 2002B	1500g, 0.5ms, 5shock/axis, 6axis	11	Post Shock test	Pass
5b	Mechanical Vibration (MV)	MIL-STD-883 Method 2007	20g, 20 to 2000Hz, 3axis, 4min/cycle, 4cycle/axis		Post Vibration	Pass
6	Biased Cyclic Moisture Resistance	MIL-STD-883 Method 1004	Ta = -10oC to +65oC, biased (Vcc= 3.3V) power On/Off @30min, 95%RH Released point: 20 cyc	11	0, 20 cyc	Pass
7	Dust Test	GR-326-CORE		10	Post Dust Test	Pass
8	ESD – HBM	JS-001-2017	1KV (High Speed Pins) 2KV (Low Speed Pins)	6	Post ESD	Pass
9	Good Device Analysis	FA Technique (X-ray, X-section etc)	NA	2	NA	Pass

These changes have been reviewed and approved by Broadcom engineers and managers per Broadcom procedure.

Please contact your Broadcom Limited field sales engineer for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.

Product Family	Part Number	Part Description	Replacement Part (Delete this column if this is not applicable)
222258 SX SFP RoHS	AFBR-5701ALZ	MMGbE SFPw/oDMI StdLatch I-tmpRoHS	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5701APZ	MMGbE SFPw/oDMI BailLatch ItmpRoHS	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5701LZ	MM1/1 GbE-FC SFP w/o DMI StdLatch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5701PZ	MM1/1 GbE-FC SFP w/o DMI BailLatch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5705ALZ	MM GbE SFPw/oDMI StdLatch ItmpRoHS	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5705APZ	MMGbE SFPw/oDMI BailLatch ItmpRoHS	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5705LZ	MM GbE SFP w/o DMI Std Latch RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5705PZ	MM GbE SFP w/o DMI Bail Latch RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5705PZ-BN2	BLADE NETWORK SFP	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5705PZ-CN	MM GbE SFP w/ DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5705PZ-NT2	MM GbE SFP w/o DMI BailLatch RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5705PZ-NT4	1G SFP MM Nortel, RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710ALZ	MM GbE SFP w/o DMI Std Latch I-tmp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5710APZ	MMGbE SFP w/o DMI BailLatch I-tmp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5710APZ-AL1	MMGbE SFP w/o DMI BailLatch I-temp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5710APZ-CS1	MMGbE SFP w/o DMI BailLatch I-temp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5710LTZ-TP2	1G SFP MM Trend Micro TAA	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710LZ	MM GbE SFP w/o DMI Std Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710LZ-TP1	SX 1GbE SFP for Tipping Point,RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710LZ-TP2	SX 1GbE SFP for Tipping Point, TP2	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-3C1	SX GbE SFP for 3Com,RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-AL1	MM GbE SFP w/o DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-BP1	1G SX SFP for Breaking Point	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-CN1	1G SFP MM Consentry RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-FD	MM GbE SFP w/o DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-NA1	MM GbE SFP w/o DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-NA2	1G MM GbE SFP w/o DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-NK1	1G SFP MM Nokia RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5710PZ-NK2	Nokia MM GbE SFP RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715ALZ	MM GbE SFP w/ DMI Std Latch I-temp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ	MMGbE SFP w/ DMI BailLatch I-temp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-AL2	MMGbE SFP for Alcatel-Lucent	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-AW1	MMGbE SFP w/ DMI BailLatch I-temp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-CG	1G SFP MM EXT NSN, CG	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-CS1	I-Temp SX GbE SFP w/DMI	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-CS2	MMGbE SFP w/ DMI BailLatch I-temp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-CS4	MMGbE SFP w/ DMI BailLatch I-temp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-CS5	MMGbE SFP w/ DMI BailLatch I-temp	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-EM1	1G MM GbE SFP Emerson	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-GE1	1G SFP MM EXT GE IP,GE1	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-NS1	1G SFP MM EXT NSN	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-R1	1GBe SX SFP DMI I-temp Ruckus	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715APZ-RL	1G SFP MM Ready Links RoHS	AFBR-5718APZ
222258 SX SFP RoHS	AFBR-5715LZ	MM GbE SFP w/ DMI Std Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715LZ-IC1	MM GbE SFP DMI std Latch IC1	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ	MMGbE SFP w/ DMI BailLatch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-AR1	Arastra Customized 1GbE SX SFP	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-AR2	1GBe SX SFP DMI Arista	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-BB1	MM GbE SFP w DMI Bigband Networks	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-BN1	SX GbE SFP for BladeNetworks,RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-BN2	BLADE NETWORK SFP W SINGLE PACKG	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-BN3	MM GbE SFP Blade Networks	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-BNX	1G MM GbE SFP Lenovo option	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-FD	MM GbE SFP w/ DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-FD1	1G SFP MM Foundry RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-GB1	1G SFP MM for Genband,GB1	AFBR-5718PZ

222258 SX SFP RoHS	AFBR-5715PZ-HP1	HP 1Gb SFP SX Module	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-IB	IBM 1GbE SX SFP	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-IB1	DUAL SFP SX KT	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-IB2	1G SFP MM for IBM, IB2	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-IB7	MM GbE SFP w/ DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-IC1	MM GbE SFP w/DMI Bail Latch, IC1	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-JN1	MM GbE SFP w/ DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-JU2	1G SX SFP Juniper	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-LU1	SX GbE SFP for Lucent Tech, RoHS	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-NT3	MM GbE SFP w/ DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-NT5	MM GbE SFP w/ DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-R1	1GBe SX SFP DMI Ruckus	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-RA	1G SX SFP Radware Alteon	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-SN1	MM GbE SFP w/ DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-TE1	MM GbE SFP w/ DMI Bail Latch	AFBR-5718PZ
222258 SX SFP RoHS	AFBR-5715PZ-TE2	ROHS SX GbE SFP (ESCON Tellabs)	AFBR-5718PZ
222254 1G QUACK SX SFP	SFBR-5716PTZ-CS3	1G SX SFP for Cisco Gen 5 Quackless TAA	AFBR-5718PZ
222254 1G QUACK SX SFP	SFBR-5716PZ-CS2	1G SX SFP for Cisco Gen 5 Quackless	AFBR-5718PZ