

Product Change Notification

**QSFP28 100G LR4 & CWDM4 Transceivers,
 Transition to Next Generation Platform (Gen 2)**

Scope of Change Notification

This PCN outlines changes to transition the following QSFP28 100G LR4 & CWDM4 transceivers to the next generation (Gen 2) platform.

The Finisar Part Numbers affected by this PCN are:

Current Finisar P/N	New Finisar P/N
FTLC1151RDPL	FTLC1154RDPL
FTLC1151RDPLx-yy	FTLC1154RDPLx-yy
FTLC1151SDPL	FTLC1154SDPL
FTLC1151SDPLx-yy	FTLC1154SDPLx-yy
FTLC1151SDNL	FTLC1154SDNL
FTLC1151SDNLx-yy	FTLC1154SDNLx-yy
FTLC1152RGPL	FTLC1155RGPL
FTLC1152RGPLx-yy	FTLC1155RGPLx-yy

Where x can be blank, 2,3,4,5,6, A or B and yy = customer customization code (if necessary)

Reason for Change

These changes will enable Finisar to continue offering the highest performance products at competitive prices and ensure continuity of supply. These changes will have no impact to the module's data sheet specifications or Reliability.

Detailed Description of Change

Comparison between Gen1 to Gen 2: (see Table 1)

- a. Notable Performance Improvements:
 - i. Improved the Rx performance with a next generation TIA
 - ii. Improved EMI performance through the next generation CDR
 - iii. Add adaptive CTLE
 - iv. Improved FW
 - v. Multiple sources for PCB, Flex, PCBA, Pull tab latch, TOSA/ROSA components

	Gen1 LR4/CWDM4 (FTLC1151RDPLx/FTLC1152RGPLx)	Gen2 LR4/CWDM4 (FTLC1154RDPLx/FTLC1155RGPLx)
TOSA	Generation 1 laser die*	Generation 2 laser die*
ROSA	Hermetic	Hermetic & Non-Hermetic
PCB (fixed and rigid)	Different, use multiple sources	
PCBA	Different, use multiple sources	
CDR	External Vendor	Finisar Designed
CTLE	Fixed	Adaptive
Mechanical specs	Same	
TIA	Generation 1 *	Generation 2 *
Firmware	Updated in Gen 2 (add TEC flag readiness feature, other improvements)	
	* - Same foundry	

Table 1

Implementation Date

Finisar is targeting implementation within 90 days of issuance of this notice or sooner if approved by the customer.

Generic samples are available now – Gen 2 products are currently released to production with production label.

Production shipments of modules will be implemented only after approval of this change has been received from customer.

List of Supporting Materials

Product Verification Test (PVT) and Qualification Reports are available upon request.

For more information please contact your local Finisar representative, or

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