

## Product Change Notice

Issue Date: 11-Mar-2022

**Change Description:**

Alternate Multi-Layer Chip Capacitor (MLCC) component.

**Parts Affected:**

ACPM-7788-TR1

**Description and Extent of Change:**

Broadcom is qualifying an alternate component for the above change type for the affected part number

**Reasons for Change:**

This is part of Broadcom's continuous effort to mitigate component shortage and improve demand supportability.

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

Appropriate electrical characterization and reliability qualification will be performed on representative products to ensure normal parametric distribution, consistent electrical performance, and reliability.

**Effective Date of Change:**

Product shipments using this change will begin January-2023. Timing of shipment of the changed part will vary by part number depending on qualification completion, customer demand, and inventory levels.

Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.

**Qualification Data:**

Qualification data is ready and approved as per the table below. Customer samples will be available in May-2022.

STRESS TEST	STRESS CONDITION	SAMPLE SIZE	DURATION	RESULTS
MSL3a Verification	24hrs HTSL 125°C + 40hrs WHTS 60%/60%RH + 3X Reflow, 260°C max (J-STD-020)	25 pcs/lot X 3	MSL3a	PASSED
High Temperature Storage	MSL3a + HTSL 150°C (JESD22-A103)	25 pcs/lot X 3	MSL3a	PASSED
			504 hrs	PASSED
Unbiased HAST	MSL3a + uHAST 130°C/85%RH, 230kPa (JESD22-A118)	25 pcs/lot X 3	MSL3a	PASSED
			96 hrs	PASSED
Temperature Cycling	MSL3a + TMCL -55/125°C, 15 min dwell (JESD22-A104)	25 pcs/lot X 3	MSL3a	PASSED
			700 X	PASSED
COQ	4hrs HTSL 150°C + 24hrs WHTS 85°C/85%RH + 4X Reflow, 260°C max	100 pcs/lot X 3	4X Reflow	PASSED
ESD Test	HBM (JS-001)	6 pcs/lot X 3	1500V	PASSED
	CDM (JESD22-C101)	3 pcs/lot X 3	500V	PASSED

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please acknowledge the receipt of the notice within 30 days of delivery. Lack of acknowledgement within 30 days constitutes acceptance of the change per JEDEC J-STD-046.