

PCN-273693

Product Change Notice

Issue Date: 16-January-2024

Change Description:

Alternate IC and LED

Parts Affected:

ACPL-P480-000E
ACPL-P480-020E
ACPL-P480-060E
ACPL-P480-500E
ACPL-P480-520E
ACPL-P480-560E
ACPL-4800-000E
ACPL-4800-060E
ACPL-4800-300E
ACPL-4800-360E
ACPL-4800-500E
ACPL-4800-560E
ACPL-4800-000ME
ACPL-W480-000E
ACPL-W480-060E
ACPL-W480-500E
ACPL-W480-560E

Description and Extent of Change:

The addition of alternate IC from a different wafer fab and alternate LED from existing manufacturing site.

Reasons for Change:

To have a dual source for alternate IC and LED as part of Broadcom's Business Continuity Plan.

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

All electrical specifications and physical characteristics remain unchanged except for the Voh and Iohh electrical parameters specification listed below:

Parameters	Existing P480 IC	New P480 IC	Remarks
Voh, min. @ Vcc=4.5V	2.4V @ Ioh = - 2.6mA	Vcc - 0.5V @ Ioh = - 6.5mA	Rail to rail output
Output leakage current, Iohh (Vo = Vcc+0.5V)	100uA max. @ Vcc=5V, If=10mA 500uA max. @ Vcc=20V, If=10mA (To test NMOS in final production test)	Not applicable as NMOS leakage test is performed at wafer sort. Specification is removed from datasheet	No effect to customer application circuit.

Appropriate electrical characterization and reliability qualifications have been 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 on or around 2433(Y Y W W). The timing of the parts shipment with the affected changes will vary by part number/option number depending on customer demand and inventory levels.

Qualification Data:

Qualification Data has been generated and approved.

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.