PCN-312951

Product Change Notice

Issue Date: 25-September-2026

Change Description:

To use a different source IC from alternative wafer fab.

Parts Affected:

ACPL-072L-000E
ACPL-072L-060E
ACPL-072L-500E
ACPL-072L-50RE
ACPL-072L-560E

Description and Extent of Change:

All electrical specifications and physical characteristics remain unchanged except for the parameters listed below.

New specifications:

Parameter	Symbol	Min.	Typ.	Max.	Unit
Logic High Input Voltage	V_{IH}	0.7 x V_{DD1}	-	V_{DD1}	V
Logic Low Input Voltage	V_{IL}	0	-	0.3 x V_{DD1}	V
Logic Low Input Supply Current	I_{DD1L}	-	5.5	8	mA
Logic High Input Supply Current	I_{DD1H}	-	0.6	2	mA
Logic Low Output Supply Current	I_{DD2L}	-	1.5	2.5	mA
Logic High Output Supply Current	I_{DD2H}	-	1.5	2.5	mA
Common Mode Transient Immunity at Logic High Output	$\|CM_H\|$	35	50	-	kV/µs
Common Mode Transient Immunity at Logic Low Output	$\|CM_L\|$	35	50	-	kV/µs

Current specification:

Parameter	Symbol	Min.		Max.	Unit
Logic High Input Voltage	V_{IH}	2.0	-	V_{DD1}	V
Logic Low Input Voltage	V_{IL}	0	-	0.8	V
Logic Low Input Supply Current	I_{DD1L}	-	8.8	15	mA
Logic High Input Supply Current	I_{DD1H}	-	1.4	5	mA
Logic Low Output Supply Current	I_{DD2L}	-	4.3	10	mA
Logic High Output Supply Current	I_{DD2H}	-	4.5	10	mA
Common Mode Transient Immunity at Logic High Output	$\|CM_H\|$	10	20	-	kV/µs
Common Mode Transient Immunity at Logic Low Output	$\|CM_L\|$	10	20	-	kV/µs

Reasons for Change:

To have a different source IC from alternative wafer fab as part of Business Continuity Plan.

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

Both quality and reliability of the affected parts are assured.

Effective Date of Change:

Product shipments using this change will begin with date-code starting from 2703 [YYWW].

Qualification Data:

Qualification data has been generated and approved.

Software / Firmware Update:

No software or firmware updates are required because of this change.

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.