

PDN Number:	20190926003	PDN Date:	October 16, 2019
Title:	Discontinuance of Select DLP® Controllers		
Customer Contact:	dlp-pcn-team@list.ti.com	Dept:	Quality Services
Last date to order:	October 16,2020	Last date to ship:	April 16, 2021
Change Type:	Product Discontinuance - End Of Life		

Product Discontinuance Notification Details

Description of Discontinuance:

Texas Instruments, Incorporated (TI) is announcing the discontinuance of controllers listed in the 'Product Affected' section.

IC supplier is permanently transferring these products to Samsung fab in South Korea from Sony fab in Japan

- This is a wafer fab site and process change

	To	From
Wafer Fab Site	Samsung Electronics Co., Ltd., South Korea	Sony Semiconductor Manufacturing Corp, Japan

- Includes optimization for factory flow
- Qualification plan for Samsung fab is included in this PCN.

NOTE: There are no samples offered for withdrawn/obsolete products. If you have any questions, please contact your local sales representative.

Reason for Discontinuance:

Continuity of supply by transferring manufacturing support at Sony fab to Samsung fab

Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):

- Physical part marking will change for product identification
- Fit, Function and Quality are expected to be equivalent to current devices
- Software changes are not anticipated for the new devices

Product Affected:

Current Device Name	Current Orderable Part Number	New Device Name	New Orderable Part Number	Replacement Code	Sample Availability Date
DDP4421	2511897-0001	DLPC4421A	2511897-0002	S	02/17/2020
DDP4422	2511898-0001	DLPC4422A	2511898-0002	S	02/17/2020
	DLPC4422ZPC		DLPC4422AZPC		
DDP5423	2512621-0001	DLPC5423A	2512621-0002	S	02/17/2020
DDP4421-HV	2513282-0001	DLPC4421HVA	2513282-0002	S	01/20/2020
DDP4422-HV	2513283-0001	DLPC4422HVA	2513283-0002	S	01/20/2020
DLPC900ZPC	DLPC900ZPC	DLPC900AZPC	DLPC900AZPC	S	01/20/2020
DLPC6421ZPC	DLPC6421ZPC	DLPC6421AZPC	DLPC6421AZPC	S	02/17/2020

Replacement Notes:

F = Similar functionality but not equivalent.

P = Same functionality but not pin-for-pin equivalent and may not be parametrically equivalent.

Q = Same functionality and PIN-OUT as the compared device but is NOT an exact equivalent.

S = EXACT equivalent in functionality and parametrically to the compared device.

Qualification Data

This qualification has been developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qual Vehicle: DDP442x-HV

Qualification: **Plan** **Test Results**

Reliability Test	Condition/Duration	Sample Size
HTOL (High Temp. Operating Life)	Vcc >= Vccmax, Tj >= 125degC/ 1000h	77units x3lot
Preconditioning	J-STD-20 MSL3	77units x3lot
HTSL (High Temp. Storage Life)	150degC/ 1000h	25units x3lot
TC (Temp Cycling)	-55degC ~ 125degC with preconditioning/ 700cyc	25units x3lot
uHAST (Unbiased HAST)	110degC/85%RH with preconditioning/ 264h	25units x3lot
THB (Temp. Humidity Bias)	5degC, 85%r.h. @Vccmax with preconditioning/ 1000h	25units x3lot
ESD HBM (Human Body Model)	1.5kΩ, 100pf, 1 discharge, both polarities (*)	3units
ESD CDM (Charged Device Model)	1 discharge, both polarities	3units
Latch Up	JESD78	3units

(*)Power supply pin combination only (not "Non-supply Pin to Non-supply Pin Combinations")

For questions regarding this notice, e-mails can be sent to the regional shown below or your local Field Sales Representative.

Location	E-Mail
DLP® PCN Team	dlp-pcn-team@list.ti.com
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
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