



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN#20230802003.1

**Qualification of JCB2 as an alternate Assembly site for select devices
Change Notification / Sample Request**

Date: August 03, 2023

To: TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

Texas Instruments requires acknowledgement of receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance and approval of this change. If samples or additional data are required, requests must be received within **30 days** of this notification.

The changes discussed within this PCN will not take effect any earlier than the proposed first ship date on Page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice or to provide acknowledgement of this PCN, you may contact your local Field Sales Representative or the change management team.

For sample requests or sample related questions, contact your local Field Sales Representative.

Sincerely,

Change Management Team
SC Business Services



20230802003.1
Attachment: 1

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
SN74LVC2G08YZPR	null
SN74LVC2G32YZPR	null
SN74LVC2G79YZPR	null
SN74LVC1404YZPR	null
SN74AUC1G17YZPR	null
SN74LVC1G3157YZPR	null
SN74LVC2G125YZPR	null
SN74LVC2G66YZPR	null
SN74LVC3G17YZPR	null
TXS0101YZPR	null
SN74AUC1G00YZPR	null
SN74AUP1G34YFPR	null
SN74AUP1G74YZPR	null
SN74AUP3G34YFPR	null
SN74LVC1G139YZPR	null
SN74LVC1GU04YZVR	null
SN74AUP2G17YFPR	null
SN74AUP3G17YFPR	null
SN74LVC1G123YZPR	null
SN74LVC2G53YZPR	null
SN74AVC1T45YZPR	null
SN74LVC1G14YZPR	null
SN74LVC3G04YZPR	null
TS5A2066YZPR	null
SN74AUP1G125YZPR	null
TPS22922YZPR	null
SN74LVC1T45YZPR	null
TS5A23166YZTR	null
TS5A3167YZPR	null
SN74LVC1G125YZPR	null
OPA2347YZDR	null
SN74AUP1G02YFPR	null
SN74AUP1G08YZPR	null
SN74AUP1G97YZPR	null
SN74AUP3G04YFPR	null
SN74LVC1G00YZPR	null
SN74LVC1G10YZPR	null
SN74LVC1G3208YZPR	null
SN74LVC2G02YZPR	null
TS5A3157YZPR	null
TS5A3159AYZPR	null
TS5A3166YZPR	null
TS5A22366YFCR	null
TPS22906YZVR	null
TS5A26542YZTR	null
SN74LVC2G34YZPR	null
TPS22907YZTR	null
SN74AUP1G17YFPR	null
TPS22912CYZVT	null
SN74AUC2G08YZPR	null
SN74LVC1G66YZPR	null

Technical details of this Product Change follow on the next page(s).

PCN Number:	20230802003.1			PCN Date:	August 03, 2023				
Title:	Qualification of JCB2 as an alternate Assembly site for select devices								
Customer Contact:	Change Management team		Dept:	Quality Services					
Proposed 1st Ship Date:	Oct 31, 2023		Sample Requests accepted until:	Sept 2, 2023*					
*Sample requests received after Sept 2, 2023 will not be supported.									
Change Type:									
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Material				
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Process				
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Fab Site				
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Material				
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Process				
PCN Details									
Description of Change:									
Texas Instruments Incorporated is announcing the qualification of JCB2 as an additional Assembly site for the devices listed below. There are no construction differences between the 2 sites.									
Reason for Change:									
Supply continuity									
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):									
None									
Impact on Environmental Ratings									
Checked boxes indicate the status of environmental ratings following implementation of this change. If below boxes are checked, there are no changes to the associated environmental ratings.									
RoHS		REACH		Green Status					
<input checked="" type="checkbox"/> No Change		<input checked="" type="checkbox"/> No Change		<input checked="" type="checkbox"/> No Change					
IEC 62474		<input checked="" type="checkbox"/> No Change							
Changes to product identification resulting from this PCN:									
Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City						
JCAP	JCP	CHN	Jiangyin						
JCB2	JA2	CHN	Jiangyin						
Sample product shipping label (not actual product label)									
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;">  <p>MADE IN: Malaysia 2DC: 20:</p> <table border="1"> <tr> <td>MSL '2 /260C/1 YEAR</td> <td>SEAL DT</td> </tr> <tr> <td>MSL 1 /235C/UNLIM</td> <td>03/29/04</td> </tr> </table> <p>OPT: ITEM: 39 LBL: 5A (L)T0:1750</p> </div> <div style="flex: 1; text-align: center;">  </div> <div style="flex: 2;"> <p>(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CCO: USA (22L) AS0: MLA (23L) ACO: MYS</p> </div> </div>						MSL '2 /260C/1 YEAR	SEAL DT	MSL 1 /235C/UNLIM	03/29/04
MSL '2 /260C/1 YEAR	SEAL DT								
MSL 1 /235C/UNLIM	03/29/04								

Qualification Results
Data Displayed as: Number of lots / Total sample size / Total failed

Type	Test Name / Condition	Duration	Qual Device: AFE4500SYBGR	QBS Product Reference: AFE4900YZR	QBS Process Reference: TLV320AIC3262IYZF	QBS Process Reference: SH8350BCA0PAPG4	QBS Package Reference: LM356YFFR	QBS Package Reference: SN2025YFF
ED	Electrical Characterization	Per Datasheet Parameters	Pass	-	-	-	-	-
CDM	ESD - CDM	250V	1/3/0	-	-	-	-	-
HBM	ESD - HBM	1000V	1/3/0	-	-	-	-	-
LU	Latch-up	per JESD78	1/6/0	-	-	-	-	-
HTOL	Life Test, 125C	500 Hours	-	1/80/0	-	-	5/240/0	-
HTOL	Life Test, 125C	1000 Hours	-	-	-	3/224/0	-	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	1/77/0	-	3/231/0	1/55/0	-
TC	Temperature Cycle, -55/125C	700 cycles	-	1/78/0	1/77/0	-	-	1/45/0
TC	Temperature Cycle, -85/150C	500 Cycles	-	-	-	3/231/0	3/231/0	-
UHAST	Unbiased HAST 130C/85%RH	96 Hours	-	-	1/77/0	-	3/231/0	1/77/0
HAST	**Biased HAST 130C/85%RH	96 Hours	-	-	-	-	-	2/154/0

- QBS: Qual By Similarity
- Qual Device AFE4500YBGR is qualified at LEVEL1-280C
- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable
- The following are equivalent HTOL options based on an activation energy of 0.7eV: 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours
- The following are equivalent HTSL options based on an activation energy of 0.7eV: 150C/1k Hours, and 170C/420 Hours
- The following are equivalent Temp Cycle options per JESD4: -55C/125C/700 Cycles and -85C/150C/500 Cycles
Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>
Green/Pb-free Status:
Qualified Pb-Free(SMT) and Green

TI Qualification ID: 20210611-140523
Change Number: C2106097

Product Affected:

CDC3RL02BYFPR	SN74AUP1G58YFPR	SN74LVC1G17YZVR	TCA8418EYFPR
CDC3RL02YFPR	SN74AUP1G58YZPR	SN74LVC1G18YZPR	TMP105YZCR
CSD17483F4	SN74AUP1G74YFPR	SN74LVC1G19YZPR	TMP105YZCT
LP5907A28YKMR	SN74AUP1G74YZPR	SN74LVC1G240YZPR	TMP106YZCR
LP5907A33YKMR	SN74AUP1G80YFPR	SN74LVC1G27YZPR	TMP106YZCT
LP5907YKGR-2.8	SN74AUP1G97YFPR	SN74LVC1G29YZPR	TPS22901YFPR
LP5915A033YKGR	SN74AUP1G97YZPR	SN74LVC1G3157YZPR	TPS22904YFPT
OPA2347YZDR	SN74AUP1G99YZPR	SN74LVC1G3208YZPR	TPS22906YZVR
OPA2347YZDT	SN74AUP1T58YFPR	SN74LVC1G332YZPR	TPS22907YZTR
SN74AUC1G00YZPR	SN74AUP1T97YFPR	SN74LVC1G34YZPR	TPS22907YZTT
SN74AUC1G04YZPR	SN74AUP1T97YZPR	SN74LVC1G34YZVR	TPS22910AYZVR
SN74AUC1G06YZPR	SN74AUP2G00YFPR	SN74LVC1G374YZPR	TPS22910AYZVT
SN74AUC1G07YZPR	SN74AUP2G02YFPR	SN74LVC1G386YZPR	TPS22912CYZVT
SN74AUC1G08YZPR	SN74AUP2G04YFPR	SN74LVC1G57YZPR	TPS22921YZPR
SN74AUC1G17YZPR	SN74AUP2G07YFPR	SN74LVC1G58YZPR	TPS22921YZTR
SN74AUC1G19YZPR	SN74AUP2G08YFPR	SN74LVC1G66YZPR	TPS22922BYFPR
SN74AUC1G66YZPR	SN74AUP2G125YFPR	SN74LVC1G79YZPR	TPS22922YZPR
SN74AUC1G74YZPR	SN74AUP2G125YZPR	SN74LVC1G80YZPR	TPS22924BYZPRB
SN74AUC1G86YZPR	SN74AUP2G126YFPR	SN74LVC1G86YZPR	TPS22924BYZR

SN74AUC1GU04YZPR	SN74AUP2G126YZPR	SN74LVC1G97YZPR	TPS22924BYZT
SN74AUC2G00YZPR	SN74AUP2G14YFPR	SN74LVC1G98YZPR	TPS22924BYZZR
SN74AUC2G02YZPR	SN74AUP2G17YFPR	SN74LVC1GU04YZPR	TPS22924BYZZT
SN74AUC2G04YZPR	SN74AUP2G241YFPR	SN74LVC1GU04YZVR	TPS22924CYZPRB
SN74AUC2G06YZPR	SN74AUP2G32YFPR	SN74LVC1T45YZPR	TPS22924CYZPT
SN74AUC2G07YZPR	SN74AUP2G34YFPR	SN74LVC2G00YZPR	TPS22924DYZPR
SN74AUC2G08YZPR	SN74AUP3G04YFPR	SN74LVC2G02YZPR	TPS22924DYZPT
SN74AUC2G125YZPR	SN74AUP3G06YFPR	SN74LVC2G04YZPR	TPS22932BYFPR
SN74AUC2G241YZPR	SN74AUP3G07YFPR	SN74LVC2G06YZPR	TPS22932BYFPT
SN74AUC2G34YZPR	SN74AUP3G14YFPR	SN74LVC2G07YZPR	TPS22934YZVT
SN74AUC2G53YZPR	SN74AUP3G17YFPR	SN74LVC2G08YZPR	TPS22946YZPR
SN74AUC2G66YZPR	SN74AUP3G34YFPR	SN74LVC2G125YZPR	TS3A24159YZPR
SN74AUC2G79YZPR	SN74AVC1T45YZPR	SN74LVC2G126YZPR	TS3DS26227YZTR
SN74AUC2G86YZPR	SN74AVCH1T45YZPR	SN74LVC2G132YZPR	TS5A1066YZPR
SN74AUP1G00YFPR	SN74AVCH2T45YZPR	SN74LVC2G157YZPR	TS5A12301EYFPR
SN74AUP1G02YFPR	SN74LVC1404YZPR	SN74LVC2G17YZPR	TS5A2066YZPR
SN74AUP1G07YFPR	SN74LVC1G00YZPR	SN74LVC2G240YZPR	TS5A22362YZPR
SN74AUP1G07YZPR	SN74LVC1G02YZPR	SN74LVC2G32YZPR	TS5A22364YZPR
SN74AUP1G08YFPR	SN74LVC1G04YZPR	SN74LVC2G34YZPR	TS5A22366YFCR
SN74AUP1G08YZPR	SN74LVC1G06YZPR	SN74LVC2G53YZPR	TS5A23166YZTR
SN74AUP1G125YFPR	SN74LVC1G06YZVR	SN74LVC2G66YZPR	TS5A23167YZPR
SN74AUP1G125YZPR	SN74LVC1G07YZPR	SN74LVC2G74YZPR	TS5A26542YZTR
SN74AUP1G126YFPR	SN74LVC1G0832YZPR	SN74LVC2G79YZPR	TS5A3153YZPR
SN74AUP1G14YFPR	SN74LVC1G10YZPR	SN74LVC2G80YZPR	TS5A3154YZPR
SN74AUP1G17YFPR	SN74LVC1G123YZPR	SN74LVC2G86YZPR	TS5A3157YZPR
SN74AUP1G17YZPR	SN74LVC1G125YZPR	SN74LVC2GU04YZPR	TS5A3159AYZPR
SN74AUP1G240YZPR	SN74LVC1G139YZPR	SN74LVC3G04YZPR	TS5A3166YZPR
SN74AUP1G32YFPR	SN74LVC1G14YZPR	SN74LVC3G06YZPR	TS5A3167YZPR
SN74AUP1G32YZPR	SN74LVC1G14YZVR	SN74LVC3G14YZPR	TS5A6542YZPR
SN74AUP1G34YFPR	SN74LVC1G175YZPR	SN74LVC3G17YZPR	TXB0101YZPR
SN74AUP1G34YZPR	SN74LVC1G17YZPR	SN74LVC3G34YZPR	TXS0101YZPR
SN74AUP1G57YZPR			

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