



<b>PCN Number:</b>	20230802003.1A		<b>PCN Date:</b>	October 12, 2023				
<b>Title:</b>	Qualification of JCB2 as an alternate Assembly site for select devices							
<b>Customer Contact:</b>	Change Management team	<b>Dept:</b>	Quality Services					
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Nov 2, 2023	<b>Sample Requests accepted until:</b>	Nov 11, 2023*					
<b>*Sample requests received after Nov 11, 2023 (Rev A devices only) will not be supported.</b>								
<b>Change Type:</b>								
<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			
<b>PCN Details</b>								
<b>Description of Change:</b>								
<p><b>Revision A</b> is to announce the <u>addition</u> of new devices that were not included on the original PCN notification. These new devices are highlighted and <b>bolded</b> in the device list below. The expected first shipment date for these new devices will be 90 days from this notice for these newly added devices only.</p> <p>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.</p>								
<b>Reason for Change:</b>								
Supply continuity								
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>								
None								
<b>Impact on Environmental Ratings</b>								
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.								
<b>RoHS</b>	<b>REACH</b>	<b>Green Status</b>	<b>IEC 62474</b>					
<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change					
<b>Changes to product identification resulting from this PCN:</b>								
<b>Assembly Site</b>	<b>Assembly Site Origin (22L)</b>	<b>Assembly Country Code (23L)</b>	<b>Assembly City</b>					
JCAP	JCP	CHN	Jiangyin					
<b>JCB2</b>	<b>JA2</b>	<b>CHN</b>	<b>Jiangyin</b>					
<p>Sample product shipping label (not actual product label)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>MADE IN: Malaysia 2DC: 20:</p> <table border="1" style="font-size: small;"> <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)TO:1750</p> </div> <div style="width: 20%; text-align: center;">  </div> <div style="width: 40%;"> <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: TLV320AIC3262IYZE	QBS Process Reference: SH8350BCA0PAPG4	QBS Package Reference: LM3565YFFR	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	1/0/0	-	-	-	-	-
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: -56C/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:**

<b>CD3268A0YZPR</b>	SN74AUP1G17YFPR	SN74LVC1G14YZVR	TMP105YZCR
<b>CD3269A0YZPR</b>	SN74AUP1G17YZPR	SN74LVC1G175YZPR	TMP105YZCT
CDC3RL02BYFPR	SN74AUP1G240YZPR	SN74LVC1G17YZPR	TMP106YZCR
CDC3RL02YFPR	SN74AUP1G32YFPR	SN74LVC1G17YZVR	TMP106YZCT
<b>CSD17381F4</b>	SN74AUP1G32YZPR	SN74LVC1G18YZPR	<b>TMP108AIYFFR</b>
CSD17483F4	SN74AUP1G34YFPR	SN74LVC1G19YZPR	TPS22901YFPR
<b>CSD58900L</b>	SN74AUP1G34YZPR	SN74LVC1G240YZPR	<b>TPS22904YFPR</b>
<b>CSD68822F4</b>	SN74AUP1G57YZPR	SN74LVC1G27YZPR	TPS22904YFPT
LP5907A28YKMR	SN74AUP1G58YFPR	SN74LVC1G29YZPR	TPS22906YZVR
LP5907A33YKMR	SN74AUP1G58YZPR	SN74LVC1G3157YZPR	TPS22907YZTR
<b>LP5907YCRR-2.7</b>	SN74AUP1G74YFPR	SN74LVC1G3208YZPR	TPS22907YZTT
LP5907YKGR-2.8	SN74AUP1G74YZPR	SN74LVC1G332YZPR	TPS22910AYZVR
<b>LP5907YKGR-2.825</b>	SN74AUP1G80YFPR	<b>SN74LVC1G34YFPR</b>	TPS22910AYZVT
<b>LP5907YKGR-2.85</b>	SN74AUP1G97YFPR	SN74LVC1G34YZPR	<b>TPS22912CYZVR</b>
<b>LP5908UVX-1.8/NOPB</b>	SN74AUP1G97YZPR	SN74LVC1G34YZVR	TPS22912CYZVT
LP5915A033YKGR	SN74AUP1G99YZPR	<b>SN74LVC1G373YZPR</b>	TPS22921YZPR
<b>LP5918A33YENJ</b>	SN74AUP1T58YFPR	SN74LVC1G374YZPR	TPS22921YZTR
OPA2347YZDR	SN74AUP1T97YFPR	SN74LVC1G386YZPR	TPS22922BYFPR

OPA2347YZDT	SN74AUP1T97YZPR	SN74LVC1G57YZPR	<b>TPS22922BYZPR</b>
<b>SN27546YPHR-A4</b>	SN74AUP2G00YFPR	SN74LVC1G58YZPR	TPS22922YZPR
SN74AUC1G00YZPR	SN74AUP2G02YFPR	SN74LVC1G66YZPR	TPS22924BYZPRB
SN74AUC1G04YZPR	SN74AUP2G04YFPR	SN74LVC1G79YZPR	TPS22924BYZR
SN74AUC1G06YZPR	SN74AUP2G07YFPR	SN74LVC1G80YZPR	TPS22924BYZT
SN74AUC1G07YZPR	SN74AUP2G08YFPR	SN74LVC1G86YZPR	TPS22924BYZZR
SN74AUC1G08YZPR	<b>SN74AUP2G08YZPR</b>	SN74LVC1G97YZPR	TPS22924BYZZT
<b>SN74AUC1G125YZPR</b>	SN74AUP2G125YFPR	SN74LVC1G98YZPR	<b>TPS22924CYZPR</b>
<b>SN74AUC1G126YZPR</b>	SN74AUP2G125YZPR	<b>SN74LVC1G99YZPR</b>	TPS22924CYZPRB
SN74AUC1G17YZPR	SN74AUP2G126YFPR	SN74LVC1GU04YZPR	TPS22924CYZPT
SN74AUC1G19YZPR	SN74AUP2G126YZPR	SN74LVC1GU04YZVR	TPS22924DYZPR
<b>SN74AUC1G32YZPR</b>	SN74AUP2G14YFPR	SN74LVC1T45YZPR	TPS22924DYZPT
SN74AUC1G66YZPR	SN74AUP2G17YFPR	SN74LVC2G00YZPR	TPS22932BYFPR
SN74AUC1G74YZPR	SN74AUP2G241YFPR	SN74LVC2G02YZPR	TPS22932BYFPT
SN74AUC1G86YZPR	SN74AUP2G32YFPR	SN74LVC2G04YZPR	<b>TPS22934YZVR</b>
SN74AUC1GU04YZPR	SN74AUP2G34YFPR	SN74LVC2G06YZPR	TPS22934YZVT
SN74AUC2G00YZPR	SN74AUP3G04YFPR	SN74LVC2G07YZPR	TPS22946YZPR
SN74AUC2G02YZPR	SN74AUP3G06YFPR	SN74LVC2G08YZPR	<b>TPS62802YKAR</b>
SN74AUC2G04YZPR	SN74AUP3G07YFPR	SN74LVC2G125YZPR	<b>TPS62807YKAR</b>
SN74AUC2G06YZPR	SN74AUP3G14YFPR	SN74LVC2G126YZPR	<b>TPS65158YFPR</b>
SN74AUC2G07YZPR	SN74AUP3G17YFPR	SN74LVC2G132YZPR	TS3A24159YZPR
SN74AUC2G08YZPR	SN74AUP3G34YFPR	<b>SN74LVC2G14YZPR</b>	TS3DS26227YZTR
SN74AUC2G125YZPR	SN74AVC1T45YZPR	SN74LVC2G157YZPR	TS5A1066YZPR
SN74AUC2G241YZPR	<b>SN74AVC2T45YZPR</b>	SN74LVC2G17YZPR	TS5A12301EYFPR
SN74AUC2G34YZPR	SN74AVCH1T45YZPR	SN74LVC2G240YZPR	TS5A2066YZPR
SN74AUC2G53YZPR	SN74AVCH2T45YZPR	SN74LVC2G32YZPR	TS5A22362YZPR
SN74AUC2G66YZPR	SN74LVC1404YZPR	SN74LVC2G34YZPR	TS5A22364YZPR
SN74AUC2G79YZPR	SN74LVC1G00YZPR	SN74LVC2G53YZPR	TS5A22366YFCR
SN74AUC2G86YZPR	SN74LVC1G02YZPR	SN74LVC2G66YZPR	<b>TS5A23166YZPR</b>
SN74AUP1G00YFPR	SN74LVC1G04YZPR	SN74LVC2G74YZPR	TS5A23166YZTR
SN74AUP1G02YFPR	SN74LVC1G06YZPR	SN74LVC2G79YZPR	TS5A23167YZPR
<b>SN74AUP1G04YFPR</b>	SN74LVC1G06YZVR	SN74LVC2G80YZPR	TS5A26542YZTR
<b>SN74AUP1G06YFPR</b>	SN74LVC1G07YZPR	SN74LVC2G86YZPR	TS5A3153YZPR
SN74AUP1G07YFPR	<b>SN74LVC1G07YZVR</b>	SN74LVC2GU04YZPR	TS5A3154YZPR
SN74AUP1G07YZPR	SN74LVC1G0832YZPR	SN74LVC3G04YZPR	TS5A3157YZPR
SN74AUP1G08YFPR	SN74LVC1G10YZPR	SN74LVC3G06YZPR	TS5A3159AYZPR
SN74AUP1G08YZPR	<b>SN74LVC1G11YZPR</b>	<b>SN74LVC3G07YZPR</b>	TS5A3166YZPR
SN74AUP1G125YFPR	SN74LVC1G123YZPR	SN74LVC3G14YZPR	TS5A3167YZPR
SN74AUP1G125YZPR	SN74LVC1G125YZPR	SN74LVC3G17YZPR	TS5A6542YZPR
SN74AUP1G126YFPR	<b>SN74LVC1G126YZPR</b>	SN74LVC3G34YZPR	TXB0101YZPR
<b>SN74AUP1G126YZPR</b>	SN74LVC1G139YZPR	<b>TCA6418EYFPR</b>	TXS0101YZPR
SN74AUP1G14YFPR	SN74LVC1G14YZPR	TCA8418EYFPR	

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