



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PDN# 20191218000.3

**Discontinuance of select MicroStar BGA & MicroStar BGA Jr package devices
Product Discontinuance Notification**

The PDN is being re-sent as a replacement due to a possible system processing error. The TI systems indicate the PCN notification was issued successfully, however every effort is being made to ensure customers are notified of the change. The PDN date and Last Order/Last Ship dates have been updated to reflect the most recent notification.

Date: January 07, 2020
To: PREMIER FARNELL PCN

Dear Customer:

The recipient has been identified for notification of changes for one or more of the products affected by the change detailed in the notice. Customers are notified based on the past twenty-four (24) months of the customer's purchase history or the recipient is listed as being part of GIDEP (Government-Industry Data Exchange Program).

TI would appreciate it if you would notify us of any future demand and estimated quantities needed for the affected products as soon as possible.

In an attempt to satisfy continuing requirements, TI is offering a non-cancelable, non-refundable last time buy for the product. Related dates are included in the notification. We will contact you as soon as we have completed a review of all customer responses and determined the appropriate course of action required to satisfy the need for this/these products.

Any inquiries should be directed to your local Field Sales Representative.

If additional supply is required beyond the dates defined in this letter, please contact your local Field Sales Representative to determine if the parts may be available from a TI-authorized distributor for discontinued products. There is no guarantee of continued supply for these products.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Team (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

**20191218000.3
Attachments1**

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have purchased this device within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
SN74AVC16T245ZQLR	null
SN74LVC32245ZKER	null
TPS659113A2ZRC	null
SN74ALVCH32245KR	null

Details of this Product Discontinuance follow on the next page(s).

PDN Number:	20191218000.3	PDN Date:	Jan 7, 2020
Title:	Discontinuance of select MicroStar BGA & MicroStar BGA Jr package devices		
Customer Contact:	PCN Manager	Dept:	Quality Services
Last date to order:	Jan 7, 2021	Last date to ship:	July 7, 2021
Change Type:	Product Discontinuance - End Of Life		
Product Discontinuance Notification Details			
Description of Discontinuance:			
Texas Instruments, Incorporated (TI) is announcing the discontinuance of select MicroStar BGA & MicroStar BGA Jr package devices. A non-cancelable, non-refundable last time buy is being offered per the date show above. Recommended replacements are being offered on some devices as shown in the Product Affected Section.			
NOTE: There are no samples offered for withdrawn/obsolete products. For samples of any replacement products, please contact your local sales representative.			
Reason for Withdrawal/Discontinuance:			
Due to an equipment End-Of-Life notice from our substrate supplier, we are phasing out certain MicroStar BGA & MicroStar BGA Jr package devices and offering a last time buy.			
Product Affected:			
Product Being Discontinued	RECOMMENED REPLACEMENT PRODUCTS	REPLACEMENT CODES	
74ALVC164245ZQLR	SN74ALVC164245DGGR	P	
74ALVC164245ZRDR	SN74ALVC164245DGGR	P	
74ALVCH162373ZQLR	SN74ALVCH162373GR	P	
74ALVCH16244ZQLR	SN74ALVCH16244DGVR	P	
74ALVCH16244ZRDR	SN74ALVCH16244DGVR	P	
74ALVCH16245ZQLR	SN74ALVCH16245DGVR	P	
74ALVCH16245ZRDR	SN74ALVCH16245DGVR	P	
74ALVCH16373ZQLR	SN74LVCH16373ADGVR	P	
74ALVCH16373ZRDR	SN74ALVCH16373DGGR	P	
74ALVCH16374ZQLR	SN74ALVCH16374DGVR	P	
74ALVCH16374ZQLR-P	SN74ALVCH16374DGVR	P	
74ALVCH16501ZQLR	SN74ALVCH16501DGGR	P	
74ALVCH32244ZKER	SN74LVCH244ARGYR	F	
74ALVCH32245ZKER	SN74LVCH245ARGYR	F	
74ALVCH32374ZKER	SN74ALVCH16374DGVR	F	
74ALVCH32501ZKFR	SN74ALVCH16501DGGR	F	
74ALVCH32973ZKER	SN74ALVCH16973DGGR	F	
74ALVCHR16245ZQLR	SN74ALVCHR16245GR	P	
74ALVTH16245ZQLR	SN74LVTH16245ADGGR	P	
74ALVTH16374ZQLR	SN74ALVTH16374VR	P	
74ALVTH32244ZKER	SN74LVTH16244ADGGR	F	
74ALVTH32373ZKER	SN74LVTH573RGYR	F	
74ALVTH32374ZKER	SN74LVTH574RGYR	F	

74ALVTHR16245ZQLR	SN74ALVTHR16245VR	P
74AVC32T245ZKER-P	SN74AXC8T245RJWR	F
74AVCA164245ZQLR	SN74AVCA164245VR	P
74AVCAH164245ZQLR	SN74AVCAH164245VR	P
74AVCB164245ZQLR	SN74AVCB164245VR	F
74AVCB164245ZRDR	SN74AVCB164245VR	F
74AVCB324245ZKER	SN74AVCB164245VR	F
74AVCBH164245ZQLR	SN74AVCBH164245VR	P
74AVCBH324245ZKER	SN74AVCBH164245VR	F
74AVCH16T245ZQLR	SN74AVCH16T245VR	F
74AVCH20T245ZQLR	SN74AVCH20T245VR	P
74LVCH16T245ZQLR	SN74LVCH16T245DGVR	P
74LVCH32244AZKER	SN74LVCH244ARGYR	F
74LVCHR16245AZQLR	SN74LVCHR16245AVR	P
74LVCHR16245AZRDR	SN74LVCHR16245AVR	P
74LVCHR32245AZKER	SN74LVCR2245ARGYR	F
74LVCR162245ZQLR	SN74LVCR16245ADGVR	P
74LVTH162244ZQLR	SN74ALVTH162244VR	P
74LVTH162244ZRDR	SN74LVTH162244DGGR	P
74LVTH162245ZQLR	SN74ALVTH162245VR	P
74LVTH162245ZRDR	SN74LVTH162245DGGR	P
74LVTH162373ZQLR	SN74LVTH162373DGGR	P
74LVTH162374ZQLR	SN74LVTH162374DGGR	P
74LVTH162374ZRDR	SN74LVTH162374DGGR	P
74LVTH322374ZKER	SN74LVTH574RGYR	F
74SSTVF32852ZKFR	SN74SSTUB32864ZKER	P
ADS5120CGHK	ADS5277IPFP	F
ADS5122CGHK	ADS5277IPFP	F
ADS5122CZHK	ADS5277IPFP	F
CF4320HZKFR	None	Not Applicable
CLVTH16373MGQLREP	None	Not Applicable
CLVTH32374IGKERE	None	Not Applicable
HPA00023GKFR	SN74SSTUB32864ZKER	P
HPA02273ZQLR	None	Not Applicable
LM4FS1AH5BBCIGR	None	Not Applicable
M430F5438AMGQWTEP	None	Not Applicable
M430F5438AQQQWREP	None	Not Applicable
MSP430F2618TGQWTEP	None	Not Applicable
MSP430F5219IZQE	MSP430F5229IRGCR	P
MSP430F5227IZQE	MSP430F5229IRGCR	P
MSP430F5237IZQER	MSP430F5237IRGCR	P
MSP430F5239IZQER	MSP430F5239IRGCR	P
MSP430F5253IZQE	MSP430F5253IRGCR	P
MSP430F5254IZQE	MSP430F5254IRGCR	P

MSP430F5256IZQE	MSP430F5256IRGCR	P
MSP430F5256IZQER	MSP430F5256IRGCR	P
MSP430F5257IZQE	MSP430F5257IRGCR	P
MSP430F5257IZQER	MSP430F5257IRGCR	P
MSP430F5258IZQE	MSP430F5258IRGCR	P
MSP430F5258IZQER	MSP430F5258IRGCR	P
MSP430F5259IZQER	MSP430F5259IRGCR	P
MSP430V294IZQER	MSP430F5229IRGCR	P
MSP430V409IZQER	MSP430F5259IRGCR	P
PCI1520IGHKEP	None	Not Applicable
SJM-100102236	None	Not Applicable
SM320F2812GHHMEP	None	Not Applicable
SN1508014ZQZR	SN1508014ZBHR	Q
SN1508015ZQZR	SN1508015ZBHR	Q
SN1610041ZQZR	TPS65982DAZBHR	Q
SN1610042ZQZR	TPS65982DAZBHR	Q
SN1610043ZQZR	None	Not Applicable
SN1612008ZQZR	None	Not Applicable
SN1612010ZQZR	None	Not Applicable
SN1612011ZQZR	None	Not Applicable
SN1703018ZQZR	TPS65982DCZBHR	Q
SN1708024ZQZR	TPS65982DCZBHR	Q
SN65LVDS93AZQLR	None	Not Applicable
SN74ALVC16244AZQLR	SN74LVC16244ADGVR	P
SN74ALVC16834ZQLR	SN74AVC16834DGVR	P
SN74ALVCH32244KR	SN74ALVCH16244DGVR	F
SN74ALVCH32245KR	SN74LVCH245ARGYR	F
SN74ALVCH32374KR	SN74ALVCH16374DGVR	F
SN74ALVCH32973KR	SN74ALVCH16973DGGR	F
SN74ALVCH373ZQNR	SN74ALVCH373DGVR	P
SN74ALVTH32244KR	SN74LVTH244ARGYR	F
SN74ALVTH32373KR	SN74LVTH573RGYR	F
SN74ALVTH32374KR	SN74ALVTH16374VR	F
SN74AUC16244ZQLR	SN74AUC16244DGVR	P
SN74AUC16245ZQLR	SN74AUC16245DGVR	P
SN74AUC245ZQNR	SN74AUC245RGYR	P
SN74AUC32244GKER	SN74AUC16244DGVR	F
SN74AUC32244ZKER	SN74AUC244ARGYR	F
SN74AUC32245ZKER	SN74AUC16245DGVR	F
SN74AUC32374ZKER	SN74AUC74RGYR	F
SN74AUCH16244ZQLR	SN74AUCH16244DGVR	F
SN74AUCH16374ZQLR	SN74AUCH16374DGVR	P
SN74AUCH32244ZKER	SN74AUCH16244DGVR	F
SN74AUCH32374ZKER	SN74AUCH16374DGVR	F

SN74AVC16244ZQLR	SN74AVC16244DGVR	P
SN74AVC16373ZQLR	SN74AVC16373DGVR	P
SN74AVC16374ZQLR	SN74AVC16374DGVR	P
SN74AVC16T245ZQLR	SN74AVC16T245DGVR	F
SN74AVC20T245ZQLR	SN74AVC20T245DGVR	P
SN74AVC24T245GRGR	SN74AXC8T245RJWR	F
SN74AVC32T245GKER	SN74AXC8T245RJWR	F
SN74AVC32T245ZRLR	SN74AXC8T245RJWR	F
SN74AVC6T622ZXYS	SN74AVC6T622RGYR	P
SN74AVCA406EZQSR	SN74AVCA406DGGR	P
SN74AVCA406EZXYR	SN74AVCA406DGGR	P
SN74AVCA406LZQSR	SN74AVCA406DGGR	P
SN74AVCA406LZXYR	SN74AVCA406DGGR	P
SN74AVCA406ZQCR	SN74AVCA406DGGR	P
SN74AVCB324245KR	SN74AVCB164245VR	F
SN74AVCH24T245GRGR	SN74AVCH8T245RHLR	F
SN74AVCH32T245ZKER	SN74AVCH8T245RHLR	F
SN74CB3Q32245GKER	SN74CBT34X245DBBR	F
SN74LV245AZQNR	SN74LV245ARGYR	P
SN74LV273AZQNR	SN74LV273ARGYR	P
SN74LV4320AGKFR	None	Not Applicable
SN74LV4320AZKFR	None	Not Applicable
SN74LV573AZQNR	SN74LV573ARGYR	P
SN74LVC138AZQNR	SN74LVC138ARGYR	P
SN74LVC139AZQNR	SN74LVC139ARGYR	P
SN74LVC162244AZQLR	SN74LVC162244ADGVR	P
SN74LVC162244AZRDR	SN74LVC162244ADGVR	P
SN74LVC16244AZQLR	SN74LVC16244ADGVR	P
SN74LVC16244AZRDR	SN74LVC16244ADGVR	P
SN74LVC16245AZQLR	SN74LVC16245ADGVR	P
SN74LVC16245AZRDR	SN74LVC16245ADGVR	P
SN74LVC16373AZQLR	SN74LVC16373ADGVR	P
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SN74LVC16374AZRDR	SN74LVC16374ADGVR	P
SN74LVC16T245GQLR	SN74LVC16T245DGVR	P
SN74LVC16T245ZQLR	SN74LVC16T245DGVR	F
SN74LVC244AZQNR	SN74LVC244ARGYR	F
SN74LVC245AZQNR	SN74LVC245ARGYR	P
SN74LVC32244GKER	SN74LVC16244ADGVR	F
SN74LVC32244ZKER	SN74LVC244ARWPR	F
SN74LVC32245GKER	SN74LVC16245ADGVR	F
SN74LVC32245ZKER	SN74LVC16245ADGVR	F
SN74LVC32373AGKER	SN74LVC16373ADGVR	F

SN74LVC32373AZKER	SN74LVC373ARGYR	F
SN74LVC32374AZKER	SN74LVC374ARGYR	F
SN74LVC373AZQNR	SN74LVC373ARGYR	F
SN74LVC573AZQNR	SN74LVC573ARGYR	P
SN74LVC574AZQNR	SN74LVC574ADGVR	P
SN74LVCH16244AZRDR	SN74LVCH16244ADGVR	P
SN74LVCH16245AZQLR	SN74LVCH16245ADGVR	P
SN74LVCH16245AZRDR	SN74LVCH16245ADGVR	P
SN74LVCH16373AZQLR	SN74LVCH16373ADGVR	P
SN74LVCH16374AZQLR	SN74LVCH16374ADGVR	P
SN74LVCH16T245KR	SN74LVCH16T245DGVR	P
SN74LVCH245AZQNR	SN74LVCH245ADGVR	P
SN74LVCH245AZXYR	SN74LVCH245ADGVR	P
SN74LVCH322244AKR	SN74LVCH162244AVR	F
SN74LVCH32244AGKER	SN74LVCH16244ADGVR	F
SN74LVCH32244AZKER	SN74LVCH16244ADGVR	F
SN74LVCH32245AGKER	SN74LVCH16245ADGVR	F
SN74LVCH32245AZKER	SN74LVC245ARGYR	F
SN74LVCH32373AGKER	SN74LVC373ARGYR	F
SN74LVCH32374AZKER	SN74LVCH16374ADGVR	F
SN74LVCHR32245AKR	SN74LVCHR16245AVR	F
SN74LVCR16245AZQLR	SN74LVCR16245ADGVR	P
SN74LVCR2245AZQNR	SN74LVCR2245ARGYR	P
SN74LVCR32245AGKER	SN74LVCR2245ARGYR	F
SN74LVCR32245AZKER	SN74LVCR2245ARGYR	F
SN74LVCZ32240AGKER	SN74LVCZ16240ADGGR	F
SN74LVCZ32244AZKER	SN74LVCZ16244ADGVR	F
SN74LVCZ32245AGKER	SN74LVCZ16245ADGVR	F
SN74LVCZ32245AZKER	SN74LVCZ16245ADGVR	F
SN74LVT162244AZQLR	SN74LVT162244ADGVR	P
SN74LVT162244AZRDR	SN74LVT162244ADGVR	P
SN74LVT16244BZQLR	SN74LVT16244BDGVR	P
SN74LVT16244BZRDR	SN74LVT16244BDGVR	P
SN74LVT16245BZQLR	SN74LVT16245BDGVR	P
SN74LVT16245BZRDR	SN74LVT16245BDGVR	P
SN74LVT244BZQNR	SN74LVT244BRGYR	P
SN74LVT32244GKER	SN74LVT16244BDGVR	F
SN74LVT32244ZKER	SN74LVT244BRGYR	F
SN74LVT8986ZGV	None	Not Applicable
SN74LVTH16244AZQLR	SN74LVTH16244ADGVR	P
SN74LVTH16244AZRDR	SN74LVTH16244ADGVR	P
SN74LVTH16245AZQLR	SN74LVTH16245ADGVR	P
SN74LVTH16245AZRDR	SN74LVTH16245ADGVR	P
SN74LVTH16373ZQLR	SN74LVTH16373DGGR	P

SN74LVTH16373ZRDR	SN74LVTH16373DGGR	P
SN74LVTH244AZQNR	SN74LVTH244ARGYR	P
SN74LVTH32244GKER	SN74LVTH16244ADGVR	F
SN74LVTH32244ZKER	SN74LVTH244ARGYR	F
SN74LVTH32245GKER	SN74LVTH245ARGYR	F
SN74LVTH32245ZKER	SN74LVTH16245ADGVR	F
SN74LVTH32373GKER	SN74LVTH16373DGGR	F
SN74LVTH32373ZKER	SN74LVTH573RGYR	F
SN74LVTH32374ZKER	SN74LVTH574RGYR	F
SN74SSTV32852GKFR	SN74SSTUB32864ZKER	P
SN74SSTV32852ZKFR	SN74SSTUB32864ZKER	P
SN74SSTVF32852KR	SN74SSTUB32864ZKER	P
SN74VMEH22501AZQLR	SN74VMEH22501ADGVR	P
SN74VMEH22501ZQLR	SN74VMEH22501DGVR	P
SN75LVDS83BZQLR	None	Not Applicable
SN75LVDS83CZQLR	None	Not Applicable
SN93045A4ZQZR	None	Not Applicable
SNSNYLVDSZQLR	None	Not Applicable
TCA6416ZQSR	TCA6416ARTWR	P
THS7381IZSYR	None	Not Applicable
TLV320AIC23BGQE	TLV320AIC23BRHDR	S
TLV320AIC23BZQE	TLV320AIC23BRHDR	S
TLV320AIC23BZQER	TLV320AIC23BRHDR	S
TLV320AIC3010IZQZR	TLV320AIC3107IYZFR	F
TLV320AIC3010IZQZT	TLV320AIC3107IYZFR	F
TLV320AIC36IZQER	TLV320AIC3254IRHBR	F
TM4E1111E6ZRBE0	None	Not Applicable
TM4E1111E6ZRBE0R	None	Not Applicable
TM4EA231H6ZRB17	None	Not Applicable
TM4EA231H6ZRB17R	None	Not Applicable
TMSDVC5410AGGUR16	None	Not Applicable
TPS650800ZQZR	TPS650830ZCGR	F
TPS650800ZQZT	TPS650830ZCGT	F
TPS658621AZGUR-1	TPS659121YFFR	F
TPS658621AZGUT-1	TPS659121YFFR	F
TPS658621CZGUT	TPS659121YFFR	F
TPS658621CZQZR	TPS659121YFFR	F
TPS658621DZGUR	TPS659121YFFR	F
TPS658621DZGUT	TPS659121YFFR	F
TPS658622AZQZR	TPS659121YFFR	F
TPS658622AZQZT	TPS659121YFFR	F
TPS658622BZQZR	TPS659121YFFR	F
TPS658622BZQZT	TPS659121YFFR	F
TPS658623ZGUR	TPS659121YFFR	F

TPS658623ZGUT	None	Not Applicable
TPS658623ZQZR	TPS659121YFFR	F
TPS658623ZQZT	TPS659121YFFR	F
TPS658624ZQZR	TPS659121YFFR	F
TPS658624ZQZT	TPS659121YFFR	F
TPS658630ZQZT	TPS659121YFFR	F
TPS658640ZGUR	TPS659121YFFR	F
TPS658640ZGUT	None	Not Applicable
TPS658640ZQZR	TPS659121YFFR	F
TPS658640ZQZT	TPS659121YFFR	F
TPS658643ZGUT	TPS659121YFFR	F
TPS658643ZQZR	TPS659121YFFR	F
TPS658643ZQZT	TPS659121YFFR	F
TPS6591102A2GZRCR	TPS659119KBIPFPRQ1	F
TPS6591102A2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591102AA2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591102BA2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591102CA2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591103A2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591103BA2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591104A2ZRC	TPS659119KBIPFPRQ1	F
TPS6591104A2ZRCR	None	Not Applicable
TPS6591104AA2ZRC	TPS659119KBIPFPRQ1	F
TPS6591104AA2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591104D1A2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591104EA2ZRCR	TPS659119KBIPFPRQ1	F
TPS65911062A2ZRCP	TPS659119KBIPFPRQ1	F
TPS6591106A2ZRCR	None	Not Applicable
TPS6591106A2ZRCR-P	TPS659119KBIPFPRQ1	F
TPS6591109A2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591131A2ZRCR	TPS659119KBIPFPRQ1	F
TPS6591133A2ZRCR	None	Not Applicable
TPS659113A2ZRC	None	Not Applicable
TPS659113A2ZRCR	None	Not Applicable
TPS659116A2ZRCR	TPS659119KBIPFPRQ1	F
TPS65911AA2ZRCR	None	Not Applicable
TPS65911AA2ZRCT	None	Not Applicable
TPS65951A1ZGU	None	Not Applicable
TPS65982ABZQZR	TPS65982ABZBHR	Q
TPS65982DAZQZR	TPS65982DAZBHR	Q
TPS65982DCZQZR	TPS65982DCZBHR	Q
TPS65983ACZQZR	TPS65983BAZBHR	Q
TPS65983BAZQZR	TPS65983BAZBHR	Q
TPS65986ABZQZR	TPS65987DDHRSHR	F

TSC2046EIZQCR	TSC2046EIRGVT	Q
TWL1200ZQCR	TWL1200YFFR	P
TWL6040A2GZQZR	None	Not Applicable
TWL93013BZHHR	None	Not Applicable
TXS02612ZQSR	TXS02612RTWR	P
V62/04613-01XA	None	Not Applicable
V62/04712-02ZA	None	Not Applicable
V62/04722-01XA	None	Not Applicable
V62/05601-03XA	None	Not Applicable
V62/09620-01XA	None	Not Applicable
V62/14608-01XE	None	Not Applicable
V62/14608-02XE-T	None	Not Applicable
VSP6300AZRCR	None	Not Applicable
WL1251PMBZRKR	None	Not Applicable
WL1253BZQZR	None	Not Applicable

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.

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

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW PCN Team	PCN_ww_admin_team@list.ti.com

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