

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NOTE: There are no samples offered for withdrawn/obsolete products.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
74LVCH322244AZKER	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
SN74AVC6T622ZXZR	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
SN74LVC16373AZRDR	SN74LVC16373ADGVR	P
SN74LVC16374AZQLR	SN74LVC16374ADGVR	P
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
TM4EA231H6ZRBI7	None	Not Applicable
TM4EA231H6ZRBI7R	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
TPS6591102A2GZRRCR	TPS659119KBIPFPRQ1	F
TPS6591102A2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591102AA2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591102BA2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591102CA2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591103A2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591103BA2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591104A2ZRC	TPS659119KBIPFPRQ1	F
TPS6591104A2ZRRCR	None	Not Applicable
TPS6591104AA2ZRC	TPS659119KBIPFPRQ1	F
TPS6591104AA2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591104D1A2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591104EA2ZRRCR	TPS659119KBIPFPRQ1	F
TPS65911062A2ZRCP	TPS659119KBIPFPRQ1	F
TPS6591106A2ZRRCR	None	Not Applicable
TPS6591106A2ZRRCR-P	TPS659119KBIPFPRQ1	F
TPS6591109A2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591131A2ZRRCR	TPS659119KBIPFPRQ1	F
TPS6591133A2ZRRCR	None	Not Applicable
TPS659113A2ZRC	None	Not Applicable
TPS659113A2ZRRCR	None	Not Applicable
TPS659116A2ZRRCR	TPS659119KBIPFPRQ1	F
TPS65911AA2ZRRCR	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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