



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PDN# 20190429000.3**

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

**Date:** April 30, 2019  
**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 lifetime 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](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services

**20190429000.3  
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.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
UCD90240ZRBT	null
MSP430F5309IZQER	null

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

<b>PDN Number:</b>	20190429000.3		<b>PDN Date:</b>	April 30, 2019
<b>Title:</b>	Discontinuance of select MicroStar BGA & MicroStar BGA Jr package devices			
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>		<b>Dept:</b>	Quality Services
<b>Last date to order:</b>	Oct 30, 2019	<b>Last date to ship:</b>	Oct 30, 2020	
<b>Change Type:</b>	Product Discontinuance - End Of Life			
<b>Product Discontinuance Notification Details</b>				
<b>Description of Discontinuance:</b>				
Texas Instruments, Incorporated (TI) is announcing the discontinuance of select MicroStar BGA & MicroStar BGA Jr package devices. A non-cancelable, non-refundable life 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.				
<b>Reason for Withdrawal/Discontinuance:</b>				
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 life time buy.				
<b>Product Affected:</b>				
<b>Product Being Discontinued</b>	<b>RECOMMENED REPLACEMENT PRODUCTS</b>		<b>REPLACEMENT CODES</b>	
1621B1UZZGR	None		Not Applicable	
1621B2UZZGR	None		Not Applicable	
74CBTLV16211CGRDR	SN74CB3Q16211DGVR		F	
74CBTLV16211CZRDR	SN74CB3Q16211DGVR		F	
74SSTUB32864AZKER	SN74SSTUB32864ZKER		F	
ADS5120CZHK	ADS5270IPFP		F	
ADS5121IGHK	ADS5270IPFP		F	
ADS5121IZHK	ADS5270IPFP		F	
CD3215B01ZQZR	None		Not Applicable	
CD3215B03ZQZR	None		Not Applicable	
CDCU877BZQLT	CDCUA877ZQLT		F	
CDCU877GQLR	CDCU877AZQLR		F	
CDCU877GQLT	CDCU877AZQLR		F	
CDCU877ZQLR	CDCUA877ZQLT		F	
CDCU877ZQLT	CDCU877AZQLR		F	
CDCVF857ZQLR	CDCU877AZQLR		P	
D36780ZGU100	D36780PGE100		P	
MSP430F2417TZQW	None		Not Applicable	
MSP430F477IZQW	MSP430F477IPNR		F	
MSP430F477IZQWR	MSP430F477IPNR		F	
MSP430F479IZQWR	MSP430F479IPNR		F	
MSP430F5217IZQE	None		Not Applicable	
MSP430F5229IZQE	None		Not Applicable	

MSP430F5229IZQER	MSP430F5229IRGCR	F
MSP430F5237IZQE	None	Not Applicable
MSP430F5239IZQE	MSP430F5239IRGCR	F
MSP430F5247IZQE	MSP430F5247IRGCR	F
MSP430F5247IZQER	MSP430F5247IRGCR	F
MSP430F5249IZQE	None	Not Applicable
MSP430F5249IZQER	MSP430F5249IRGCR	F
MSP430F5252IZQE	None	Not Applicable
MSP430F5255IZQE	None	Not Applicable
MSP430F5255IZQER	None	Not Applicable
MSP430F5259IZQE	MSP430F5259IRGCR	F
MSP430F5308IZQE	MSP430F5308IRGCR	F
MSP430F5308IZQER	MSP430F5308IRGCR	F
MSP430F5309IZQE	MSP430F5309IRGCR	F
MSP430F5309IZQER	MSP430F5309IRGCR	F
MSP430F5310IZQE	MSP430F5310IRGCR	F
MSP430F5310IZQER	MSP430F5310IRGCR	F
MSP430F5509IZQE	MSP430F5509IRGCR	F
MSP430F5510IZQE	MSP430F5510IRGCR	F
MSP430F5510IZQER	MSP430F5510IRGCR	F
MSP430F5513IZQE	None	Not Applicable
MSP430F5632IZQWT	None	Not Applicable
MSP430F5636IZQWR	None	Not Applicable
MSP430FG4616IZQW	MSP430FG4616IPZR	F
MSP430FG4616IZQWR	None	Not Applicable
MSP430FG4618IZQW	MSP430FG4618IPZR	F
MSP430FG4618IZQWR	MSP430FG4618IPZR	F
MSP430FG4618IZQWT	MSP430FG4618IPZR	F
MSP430FG4619IZQWR	MSP430FG4619IPZR	F
MSP430FG477IZQWR	MSP430FG477IPNR	F
MSP430FG478IZQWR	MSP430FG478IPNR	F
MSP430FG479IZQW	MSP430FG479IPNR	F
MSP430FG479IZQWR	MSP430FG479IPNR	F
MSP430TEXAS2IZQER	MSP430TEXAS2IPMR	F
MSP430U349IZQWR	MSP430FG4619IPZR	F
MSP430V574IZQER	MSP430F5510IRGCR	F
PCA9544AZQNR	PCA9544ARGYR	P
PCA9545AZQNR	PCA9545ARGYR	P
PCI1510GGU	PCI1510PGE	P
PCI1520GHK	PCI1520PDV	P
PCI2040GGU	PCI2040PGE	P
PCI2060IGHK	None	Not Applicable
PCI2060ZHK	None	Not Applicable
SN650801ZQZR	None	Not Applicable

SN65LVDS305ZQER	SN65LVDS301ZQER	F
SN65LVDS307ZQCR	SN65LVDS301ZQE	F
SN65LVDS308ZQCR	SN65LVDS302ZQER	F
SN65LVDS310ZQCR	SN65LVDS302ZQER	P
SN65LVDS310ZQCT	SN65LVDS302ZQER	P
SN65LVDS324ZQLR	None	Not Applicable
SN74CB3Q16211ZQLR	SN74CB3Q16211DGVR	P
SN74CB3Q32245ZKER	SN74CBT34X245DBBR	F
SN74CB3Q3244ZQNR	SN74CB3Q3244RGYR	P
SN74CB3Q3245ZQNR	SN74CB3Q3245RGYR	P
SN74CB3T16211ZQLR	SN74CB3T16211DGVR	P
SN74CB3T16212ZQLR	SN74CB3T16212DGGR	P
SN74CBT16212AZQLR	SN74CBT16212ADGGR	P
SN74CBT32245ZKER	SN74CBT34X245DBBR	F
SN74CBT3245AZQNR	SN74CBT3245ARGYR	P
SN74CBTK32245ZKER	SN74CBT34X245DBBR	F
SN74CBTLV3245AZQNR	SN74CBTLV3245ARGYR	P
SN74SSTU32864ZKER	SN74SSTUB32864ZKER	F
SN93045A4ZQZR	None	Not Applicable
TCA6416AZQSR	TCA6416ARTWR	P
TCA6507ZXUR	TCA6507RUER	P
TCA7408ZSZR	TCA6408ARSVR	P
THS7319IZSVR	THS7316DR	P
THS7319IZSVT	THS7316D	P
THS7380IZSYR	None	Not Applicable
TL16C550DIZQSR	TL16C550DIRHBR	P
TLV320AIC1110ZQER	TLV320AIC1110PBS	P
TLV320AIC23BIGQE	TLV320AIC23BRHDR	P
TLV320AIC23BIZQE	TLV320AIC23BRHDR	P
TLV320AIC3106IZQE	TLV320AIC3106IRGZR	P
TLV320DAC23GQE	TLV320DAC3203IYZKR	P
TMS320ACLAGGU	None	Not Applicable
TMS320ACLZGU	None	Not Applicable
TMS320C5545AZQW10	None	Not Applicable
TMS320C5545AZQW10R	None	Not Applicable
TMS320C5545AZQW12	None	Not Applicable
TMS320C55AP2ZQWR	None	Not Applicable
TMS320DM270ZHK	None	Not Applicable
TMS320DM310ZHK22	None	Not Applicable
TMS320R2812GHHA	None	Not Applicable
TMS320R2812GHHS	None	Not Applicable
TMS320VC5402GGU100	TMS320VC5402PGE100	P
TMS320VC5402ZGU100	TMS320VC5402PGE100	P
TMS320VC5402ZGUR10	TMS320VC5402PGER10	P

TMS320VC5441AGGU	None	Not Applicable
TMS320VC5441AZGU	None	Not Applicable
TMS320VC5441AZGUZE	None	Not Applicable
TMS320VC5441GGU	None	Not Applicable
TMS320VC5441ZGU	None	Not Applicable
TNETV1700INZZG	None	Not Applicable
TNETV1700NNZZG	None	Not Applicable
TNETV1700ZZG	None	Not Applicable
TNETV1700ZZGRHS	None	Not Applicable
TNETV2840ENZGU	None	Not Applicable
TNETV2840FIDZGU	None	Not Applicable
TNETV2840FISGGU	None	Not Applicable
TNETV2840GGU	None	Not Applicable
TNETV2840VIRGGU	None	Not Applicable
TNETV2840VNDZGU	None	Not Applicable
TNETV2840ZGU	None	Not Applicable
TNETV2842VNDGGU	None	Not Applicable
TPA2005D1GQYR	TPA2011D1YFFR	P
TPA6203A1GQVR	TPA6205A1ZQVR	Q
TPS658621CZGUR	None	Not Applicable
TPS658621CZQZT	None	Not Applicable
TPS658630ZQZR	None	Not Applicable
TPS659110A2ZRC	TPS659119KBIPFPRQ1	F
TPS659112A2ZRC	None	Not Applicable
TPS659114A2ZRCT	None	Not Applicable
TPS659116A2ZRC	None	Not Applicable
TPS659118A2ZRCR	None	Not Applicable
TPS659118A2ZRCT	None	Not Applicable
TPS65921B1ZQZ	None	Not Applicable
TPS65921BZQZ	None	Not Applicable
TPS65982DBZQZR	None	Not Applicable
TS2DDR2811ZXYR	None	Not Applicable
TS3A27518EZQSR	TS3A27518ERTWR	P
TS3DDR32611ZQCR	None	Not Applicable
TSB41AB1GQE	TSB41AB1PAP	P
TSB41AB1ZQE-64	TSB41AB1PHP	P
TSB41AB1ZQER-64	TSB41AB1PHP	P
TSB43DA42AZHC	None	Not Applicable
TSB43DA42AZHCR	None	Not Applicable
TSB82AA2ZGW	TSB82AA2BIPGE	P
TSC2046EIZQCT	TSC2046EIRGVT	P
TVP5150AM1IZQC	TVP5150AM1IPBS	P
TVP5150AM1IZQCR	TVP5150AM1IPBSR	P
TVP5150AM1ZQC	TVP5150AM1PBS	P

TVP5150AM1ZQCR	TVP5150AM1PBSR	P
TVP5151IZQC	TVP5151IPBS	P
TVP5151IZQCR	TVP5151IPBSR	P
TVP5151ZQC	TVP5151PBS	P
TVP5151ZQCR	TVP5151PBSR	P
TWL6040A2ZQZ	None	Not Applicable
TWL6040A2ZQZR	None	Not Applicable
TWL6040A3SRSZQZ	None	Not Applicable
TWL6040A3SRSZQZR	None	Not Applicable
TWL6040A3ZQZ	None	Not Applicable
UCD90240ZRBR	UCD90320ZWSR	F
UCD90240ZRBTT	UCD90320ZWST	F
VSP6244AZRCR	None	Not Applicable
VSP6244BZSPR	None	Not Applicable
XIO1100GGB	XIO1100ZGBR	P
XIO2000AGZZ	None	Not Applicable
XIO2000AIZHH	None	Not Applicable
XIO2000AIZZZ	None	Not Applicable
XIO2200AZGW	XIO2213BZAY	F
XIO2200AZHH	XIO2213BIZAY	F

**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	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
WW PCN Team	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>