

12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN#20240628012.1 Qualification alternate Mount & Mold Compound material for select devices Change Notification / Sample Request

Date: June 28, 2024 **To:** Newark/Farnell 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

20240628012.1 Change Notification / Sample Request Attachments

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
INA125UA	NULL
INA126UA	NULL
INA154U	NULL
INA2134UA	NULL
OPA140AID	NULL
OPA1611AID	NULL
OPA177GS	NULL
OPA211AID	NULL
OPA2170AID	NULL
OPA2376AID	NULL
OPA4171AIDR	NULL
OPA551UA	NULL
OPA604AU	NULL
OPA827AID	NULL
REF02AU	NULL
REF102AU	NULL

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

June 28, **PCN Number:** 20240628012.1 **PCN Date:** 2024 Title: Qualification alternate Mount & Mold Compound material for select devices **Customer Contact:** Change Management team **Quality Services** Dept: **Sample Requests Proposed 1st Ship Date:** September 26, 2024 July 28, 2024* accepted until: *Sample requests received after July 28, 2024 will not be supported. **Change Type:** Assembly Site Design Wafer Bump Material Wafer Bump Process **Assembly Process** Data Sheet **Assembly Materials** Part number change Wafer Fab Site Mechanical Specification Test Site Wafer Fab Material Packing/Shipping/Labeling **Test Process** Wafer Fab Process **PCN Details Description of Change:** This PCN is to inform of an alternate Mount & Mold Compound material set for the list of devices in the product affected sections below. **Group 1: Additional Mount compound qualification only** What Current **Additional Mount Compound** 4205846 4147858 Group 2: Additional Mold compound and mount compound qualification What **Additional** Current **Mount Compound** 4205846 4147858 **Mold Compound** 4209640 4211880 **Group 3: Additional Mold compound qualification** What Current **Additional Mold Compound** 4209640 4211880 Oualification results are shown below **Reason for Change:** Standardization Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative): **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. REACH **IEC 62474** RoHS **Green Status** No Change $\overline{\mathbb{N}}$ No Change No Change No Change Changes to product identification resulting from this PCN: None **Product Affected: Group 1 Device list (Mount Compound Qualification only):**

BQ2040SN-C408	SN1106046D	SN65HVD11HD	TPS40200HD
BQ2040SN-D111	SN1106046DR	SN65HVD233HD	BQ2040SN-D111TR

Group 2 Device list (Mold Compound and Mount Compound qualification)

or out a position most (- roru oompouna ana r	Touric compound qua	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
ADS1286UB	OPA1642AID	OPA2691I-14DR	OPA694IDR				
ADS1286UL/2K5	OPA1642AIDR	OPA2691ID	OPA695IDR				
BQ2010SN-D107	OPA1644AID	OPA2691IDR	OPA703UA				
BQ2010SN-D107TR	OPA1644AIDR	OPA2694ID	OPA703UA/2K5				
BQ2011SN-D118TR	OPA1688ID	OPA2703UA	OPA705UA				
BQ2012SN-D107	OPA1688IDR	OPA2703UA/2K5	OPA725AID				
BQ2012SN-D107TR	OPA170AID	OPA2704UA	OPA725AIDR				
BQ2013HSN-A514	OPA170AIDR	OPA2704UA/2K5	OPA726AID				
BQ2013HSN-A514TR	OPA171AID	OPA2705UA	OPA820ID				
BQ2014HSN	OPA171AIDR	OPA2725AID	OPA820IDR				
BQ2014HSNTR	OPA172ID	OPA2725AIDR	OPA827AID				
BQ2014SN-D120	OPA172IDR	OPA2727AID	OPA827AIDR				
BQ2014SN-D120TR	OPA177GS	OPA2727AIDR	OPA830ID				
BQ2050HSN-A508	OPA177GS/2K5	OPA2822U	OPA830IDR				
BQ2050HSN-A508TR	OPA180ID	OPA2822U/2K5	OPA832ID				
BQ2050SN-D119	OPA180IDR	OPA340UA	OPA842ID				
BQ2050SN-D119TR	OPA188AID	OPA340UA/2K5	OPA842IDR				
BQ2052SN-A515	OPA188AIDR	OPA3684ID	OPA843ID				
BQ2204ASN	OPA191ID	OPA3684IDR	OPA843IDR				
BQ2204ASN-N	OPA191IDR	OPA3690ID	OPA846ID				
BQ2204ASNTR	OPA192ID	OPA3691ID	OPA846IDR				
BUF634U	OPA192IDR	OPA3692ID	OPA847ID				
BUF634U/2K5	34U/2K5 OPA196ID		OPA847IDR				
DAC8043U	OPA196IDR	OPA376AIDR	REF02AU				
DAC8043U/2K5	OPA197ID	OPA377AID	REF02AU/2K5				
DAC8043UC	OPA197IDR	OPA377AIDR	REF02BU				
DAC8043UC/2K5	OPA209AID	OPA4134UA	REF02BU/2K5				
DRV135UA	OPA209AIDR	OPA4134UA/2K5	REF102BU				
DRV135UA/2K5	OPA2107AU	OPA4140AID	REF102CU				
INA125U	OPA2107AU/2K5	OPA4140AIDR	REF200AU				
INA125UA	OPA211AID	OPA4141AID	REF200AU/2K5				
INA128HD	OPA211AIDR	OPA4141AIDR	REF5010AID				
INA133U	OPA211ID	OPA4170AID	REF5010AIDR				
INA133UA	OPA211IDR	OPA4170AIDR	REF5010ID				
INA133UA/2K5	NA133UA/2K5 OPA2140AID NA134UA OPA2140AIDR		REF5020AID				
INA134UA			REF5020AIDR				
INA134UA/2K5			REF5020ID				
INA137UA			REF5020IDR				
INA137UA/2K5	INA137UA/2K5 OPA2170AID		REF5025AID				
INA143UA/2K5	OPA2170AIDR	OPA4180IDR	REF5025AIDR				
INA149AID	OPA2171AID	OPA4188AID	REF5025ID				

INA19AIDR						
INA154UA	INA149AIDR	OPA2171AIDR	OPA4188AIDR	REF5025IDR		
INA163UA	INA154U	OPA2172ID	OPA4191ID	REF5030AID		
INA163UA/2K5	INA154UA	OPA2172IDR	OPA4191IDR	REF5030AIDR		
INA166UA/2K5	INA163UA	OPA2180ID	OPA4192ID	REF5030ID		
INA2126UA/2K5	INA163UA/2K5	OPA2180IDR	OPA4192IDR	REF5030IDR		
INA2133U	INA166UA/2K5	OPA2191ID	OPA4196ID	REF5040AID		
INA2133UA	INA2126UA/2K5	OPA2191IDR	OPA4196IDR	REF5040AIDR		
INA2134UA	INA2133U	OPA2192ID	OPA4197ID	REF5040ID		
INA2134UA/2K5	INA2133UA	OPA2192IDR	OPA4197IDR	REF5040IDR		
INA2137UA	INA2134UA	OPA2196ID	OPA4340UA	REF5045AID		
INA2137UA/2K5	INA2134UA/2K5	OPA2196IDR	OPA4340UA/2K5	REF5045AIDR		
INA2143U	INA2137UA	OPA2197ID	OPA4344UA	REF5045IDR		
INA2143UA	INA2137UA/2K5	OPA2197IDR	OPA4344UA/2K5	REF5050AID		
INA826AID	INA2143U	OPA2209AID	OPA4350UA	REF5050AIDR		
INA826AIDR	INA2143UA	OPA2209AIDR	OPA4350UA/2K5	REF5050ID		
INA828ID	INA826AID	OPA2237UA	OPA445AU	REF5050IDR		
INA828IDR	INA826AIDR	OPA2237UA/2K5	OPA445AU/2K5	SN1272DR		
IVC102U OPA2320AIDR OPA4703UA THS4521HD IVC102U/2K5 OPA2322AID OPA4704UA THS4531AID LOG101AID OPA2322AIDR OPA4820ID THS4531AIDR LOG101AIDR OPA2325ID OPA4820IDR TLV170IDR LOG104AID OPA2325IDR OPA551UA TLV171IDR LOG112AID OPA2333HD OPA551UA/2K5 TLV172IDR LOG112AIDR OPA2340UA OPA552UA TLV2170IDR MSP430G2210ID OPA2340UA/2K5 OPA552UA/2K5 TLV2171IDR MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230IDR OPA2350UA/2K5 OPA602AU TLV2172IDR MSP430G2230IDR OPA237UA OPA602AU TLV4170ID OPA134UA OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4170IDR OPA140AID OPA2604AU OPA627AU TLV4171IDR OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AID OPA2613ID OPA627AU/2	INA828ID	OPA2244UA/2K5	OPA4684ID	SN1501007D		
IVC102U/2K5 OPA2322AID OPA4704UA THS4531AID LOG101AID OPA2322AIDR OPA4820ID THS4531AIDR LOG101AIDR OPA2325ID OPA4820IDR TLV170IDR LOG104AID OPA2325IDR OPA551UA TLV171IDR LOG112AID OPA2333HD OPA551UA/2K5 TLV172IDR LOG112AIDR OPA2340UA OPA552UA TLV2170IDR MSP430G2210ID OPA2340UA/2K5 OPA552UA/2K5 TLV2171IDR MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230IDR OPA2350UA/2K5 OPA602AU/2K5 TLV2369IDR MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU TLV4170IDR OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4171IDR OPA140AID OPA2604AU OPA627AU TLV4171IDR OPA140AID OPA2613ID OPA627NIBU/2K5 TLV4171IDR OPA140AID OPA2613IDR OPA637AU TMP107BIDR OPA145ID OPA2614ID OPA	INA828IDR	OPA2320AID	OPA4684IDR	SN1501007DR		
LOG101AID OPA2322AIDR OPA4820ID THS4531AIDR LOG101AIDR OPA2325ID OPA4820IDR TLV170IDR LOG104AID OPA2325IDR OPA551UA TLV171IDR LOG112AID OPA2333HD OPA551UA/2K5 TLV172IDR LOG112AIDR OPA2340UA OPA552UA TLV2170IDR MSP430G2210ID OPA2340UA/2K5 OPA552UA/2K5 TLV2171IDR MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230ID OPA2350UA/2K5 OPA602AU TLV2172IDR MSP430G2230IDR OPA2370UA/2K5 OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU TLV4170IDR OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4170IDR OPA140AID OPA2604AU OPA627AU TLV4171IDR OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613IDR OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA145IDR OPA2652U <	IVC102U	OPA2320AIDR	OPA4703UA	THS4521HD		
LOG101AIDR OPA2325ID OPA4820IDR TLV170IDR LOG104AID OPA2325IDR OPA551UA TLV171IDR LOG112AID OPA2333HD OPA551UA/2K5 TLV172IDR LOG112AIDR OPA2340UA OPA552UA TLV2170IDR MSP430G2210ID OPA2340UA/2K5 OPA552UA/2K5 TLV2171IDR MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230ID OPA2350UA/2K5 OPA602AU/2K5 TLV2369IDR MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU TLV4170IDR OPA134UA OPA2604AU OPA627AU TLV4170IDR OPA134UA/2K5 OPA2604AU OPA627AU TLV4171IDR OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613ID OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU TMP513AIDR OPA145IDR OPA2652U OPA683I	IVC102U/2K5	OPA2322AID	OPA4704UA	THS4531AID		
LOG104AID OPA2325IDR OPA551UA TLV171IDR LOG112AID OPA2333HD OPA551UA/2K5 TLV172IDR LOG112AIDR OPA2340UA OPA552UA TLV2170IDR MSP430G2210ID OPA2340UA/2K5 OPA552UA/2K5 TLV2171IDR MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230ID OPA2350UA/2K5 OPA602AU/2K5 TLV2369IDR MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU TLV4170IDR OPA134UA OPA2604AU OPA627AU TLV4171IDR OPA1440AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627AU/2K5 TLV4171IDR OPA141AID OPA2613ID OPA627AU/2K5 TLV4172IDR OPA141AIDR OPA2613IDR OPA637AU TMP107BIDR OPA145ID OPA2614ID OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683ID TPS40200HDR OPA1602AIDR OPA2657U OPA684I	LOG101AID	OPA2322AIDR	OPA4820ID	THS4531AIDR		
LOG112AID OPA2333HD OPA551UA/2K5 TLV172IDR LOG112AIDR OPA2340UA OPA552UA TLV2170IDR MSP430G2210ID OPA2340UA/2K5 OPA552UA/2K5 TLV2171IDR MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230ID OPA2350UA/2K5 OPA602AU TLV2172IDR MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU TLV4170IDR OPA134UA/2K5 OPA2604AU OPA627AU TLV4171ID OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613ID OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145IDR OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1604AID OPA2677U/2K5 <td< td=""><td>LOG101AIDR</td><td>OPA2325ID</td><td>OPA4820IDR</td><td>TLV170IDR</td><td></td></td<>	LOG101AIDR	OPA2325ID	OPA4820IDR	TLV170IDR		
LOG112AIDR OPA2340UA OPA552UA TLV2170IDR MSP430G2210ID OPA2340UA/2K5 OPA552UA/2K5 TLV2171IDR MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230ID OPA2350UA/2K5 OPA602AU/2K5 TLV2369IDR MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4170IDR OPA134UA/2K5 OPA2604AU OPA627AU TLV4171ID OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145IDR OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U/2K5 OPA690ID VCA810IDR OPA1604AIDR OPA2683ID	LOG104AID	OPA2325IDR	OPA551UA	TLV171IDR		
MSP430G2210ID OPA2340UA/2K5 OPA552UA/2K5 TLV2171IDR MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230ID OPA2350UA/2K5 OPA602AU/2K5 TLV2369IDR MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4170IDR OPA134UA/2K5 OPA2604AU OPA627AU TLV4171ID OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1604AIDR OPA2684ID	LOG112AID	OPA2333HD	OPA551UA/2K5	TLV172IDR		
MSP430G2210IDR OPA2350UA OPA602AU TLV2172IDR MSP430G2230ID OPA2350UA/2K5 OPA602AU/2K5 TLV2369IDR MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4170IDR OPA134UA/2K5 OPA2604AU OPA627AU TLV4171ID OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810IDR OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA16011AIDR OPA2690I-14D <t< td=""><td>LOG112AIDR</td><td>OPA2340UA</td><td>OPA552UA</td><td>TLV2170IDR</td><td></td></t<>	LOG112AIDR	OPA2340UA	OPA552UA	TLV2170IDR		
MSP430G2230ID OPA2350UA/2K5 OPA602AU/2K5 TLV2369IDR MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4170IDR OPA134UA/2K5 OPA2604AU OPA627AU TLV4171ID OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690IDR VCA810IDR OPA1601AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AIDR OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA6	MSP430G2210ID	OPA2340UA/2K5	OPA552UA/2K5	TLV2171IDR		
MSP430G2230IDR OPA237UA OPA604AU TLV4170ID OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4170IDR OPA134UA/2K5 OPA2604AU OPA627AU TLV4171ID OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1604AIDR OPA2684ID OPA690IDR VCA810IDR OPA1611AIDR OPA2684ID OPA691IDR VFC32KU/2K5	MSP430G2210IDR	OPA2350UA	OPA602AU	TLV2172IDR		
OPA134UA OPA237UA/2K5 OPA604AU/2K5 TLV4170IDR OPA134UA/2K5 OPA2604AU OPA627AU TLV4171ID OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810IDR OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	MSP430G2230ID	OPA2350UA/2K5	OPA602AU/2K5	TLV2369IDR		
OPA134UA/2K5 OPA2604AU OPA627AU TLV4171ID OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	MSP430G2230IDR	OPA237UA	OPA604AU	TLV4170ID		
OPA140AID OPA2604AU/2K5 OPA627AU/2K5 TLV4171IDR OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA134UA	OPA237UA/2K5	OPA604AU/2K5	TLV4170IDR		
OPA140AIDR OPA2613ID OPA627NIBU/2K5 TLV4172IDR OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810IDR OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA134UA/2K5	OPA2604AU	OPA627AU	TLV4171ID		
OPA141AID OPA2613IDR OPA637AU TMP107BIDR OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA140AID	OPA2604AU/2K5	OPA627AU/2K5	TLV4171IDR		
OPA141AIDR OPA2614ID OPA637AU/2K5 TMP512AIDR OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA140AIDR	OPA2613ID	OPA627NIBU/2K5	TLV4172IDR		
OPA145ID OPA2614IDR OPA683ID TMP513AIDR OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA141AID	OPA2613IDR	OPA637AU	TMP107BIDR		
OPA145IDR OPA2652U OPA683IDR TPS40200HDR OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA141AIDR	OPA2614ID	OPA637AU/2K5	TMP512AIDR		
OPA1602AID OPA2652U/2K5 OPA684ID VCA810AID OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA145ID	OPA2614IDR	OPA683ID	TMP513AIDR		
OPA1602AIDR OPA2677U OPA684IDR VCA810AIDR OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA145IDR	OPA2652U	OPA683IDR	TPS40200HDR		
OPA1604AID OPA2677U/2K5 OPA690ID VCA810ID OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA1602AID	OPA2652U/2K5	OPA684ID	VCA810AID		
OPA1604AIDR OPA2683ID OPA690IDR VCA810IDR OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA1602AIDR	OPA2677U	OPA684IDR	VCA810AIDR		
OPA1611AID OPA2684ID OPA691ID VFC32KU OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA1604AID	OPA2677U/2K5	OPA690ID	VCA810ID		
OPA1611AIDR OPA2690I-14D OPA691IDR VFC32KU/2K5	OPA1604AIDR	OPA2683ID	OPA690IDR	VCA810IDR		
	OPA1611AID	OPA2684ID	OPA691ID	VFC32KU		
OPA1612AID OPA2690I-14DR OPA692ID XTR105UA/2K5	OPA1611AIDR	OPA2690I-14D	OPA691IDR	VFC32KU/2K5	_	
	OPA1612AID	OPA2690I-14DR	OPA692ID	XTR105UA/2K5		

OPA1612AIDR	OPA2690ID	OPA692IDR	XTR115UA/2K5
OPA1641AID	OPA2690IDR	OPA694ID	XTR116UA/2K5
OPA1641AIDR	OPA2691I-14D		

Group 3 Device list (Mold Compound qualification)

<u> </u>	t (10.0	
INA126U	OPA187ID	OPA210IDT	OPA388ID
INA126U/2K5	OPA187IDR	OPA2187ID	OPA388IDR
INA126UA	OPA189ID	OPA2187IDR	OPA4205ADR
INA126UA/2K5	OPA189IDR	OPA2205ADR	OPA4205ADT
INA188ID	OPA202ID	OPA2205ADT	OPA814DR
INA188IDR	OPA202IDR	OPA2206ADR	REF102AU
INA2126U	OPA205ADR	OPA2206ADT	REF102AU/2K5
INA2126UA	OPA205ADT	OPA2376AID	SN5552DR
INA823DR	OPA206ADR	OPA2376AIDR	TLV2376IDR
INA823DT	OPA206ADT	OPA2377AID	TLV376IDR
INA849DR	OPA210IDR	OPA2377AIDR	TPS5405DR
JFE2140DR			

TI Information Selective Disclosure

Qualification Report

Non-Automotive SOIC D Non UBOM to UBOM on Hyde Approve Date 27-May-2024

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

Туре	#	Test Name	Condition	Duration	Qual Device: MSP430G2230QDREP	Qual Device: QPA2727AIDR	Qual Device: OPA4340UA/2K5	Qual Device: REF5050MDREP	Qual Device: REF102AU/2K5	Qual Device: IVC102U/2K5	Qual Device: OPA2107AU/2K5	Qual Device: OPA602AU/2K5	Qual Device: REF200AU	Qual Device: BUF634U/2K5	Qual Devi SN1501007
HAST	A2	Biased HAST	130C/85%RH	96 Hours	-		-		-	-	-	-	-		-
UHAST	A3	Autoclave	121C/15psig	96 Hours				-		-		-			
UHAST	А3	Unbiased HAST	130C/85%RH	96 Hours											
TC	Α4	Temperature Cycle	-65C/150C	500 Cycles	-		-	-				-		-	
HTSL	A6	High Temperature Storage Life	170C	420 Hours	-					-		-		-	
SD	C3	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes)	-						-				-	
PD	C4	Physical Dimensions	(per mechanical drawing)												
CHAR	E5	Electrical Characterization	Per Datasheet Parameters		1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0

- QBS: Qual By Similarity
 Qual Device MSP430G2230QDREP is qualified at MSL3 260C
 Qual Device OPA427AIDR is qualified at MSL3 260C
 Qual Device OPA4240LA/2K5 is qualified at MSL3 260C
 Qual Device REF3050MDREP is qualified at MSL2 260C
 Qual Device REF3050MDREP is qualified at MSL2 260C
 Qual Device NC102UZK5 is qualified at MSL3 260C
 Qual Device OPA2107AUZK5 is qualified at MSL3 260C
 Qual Device OPA620AUZK5 is qualified at MSL3 260C
 Qual Device OPA620AUZK5 is qualified at MSL3 260C
 Qual Device SNF534UZK5 is qualified at MSL3 260C
 Qual Device SNF534UZK5 is qualified at MSL3 260C
 Qual Device SNF5340ZK5 is qualified at MSL3 260C
 Qual Device NLA630AUZK5 is qualified at MSL3 260C
 Qual Device DAC804217AIDR is qualified at MSL2 260C
 Qual Device DAC804217AIDR is qualified at MSL2 260C

- 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/14 Hours, 140C/490 Hours, 150C/390 Hours, and 155C/240 Hours
 The following are equivalent HTSL options based on an activation energy of 0.7eV: 150C/14 Hours, and 170C/420 Hours
 The following are equivalent Temp Cycle options per JESD47: -55C/125C/790 Cycles and -65C/150C/500 Cycles

TI Qualification ID: R-CHG-2402-048

For guestions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS). DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY. FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.