

CERTIFICATE OF CONFORMANCE

Page 1 of 2



Texas Instruments Incorporated
12500 TI Boulevard
Dallas, Texas 75243
CAGE Code: 01295

Print Date
20200513

Est. Ship Date
20200526

Ship to No. 163955

Sold to No. 163424

ARROW ELECTRONICS INC XLR8
665 MAESTRO DR
RENO NV 89511-2206

ARROW CORPORATE XLR8 T1
220 RABRO DR
HAUPPAUGE NY 11788-4232

PACKLIST/
Delivery Document No.
600422698

Customer PO No.
BMV3800001988

Sales Order No.
1005233796

Transfer Order No.
1260951

Customer Part No.

Customer Rev.

Material Entered

Item No.
000010

Qty to Ship
8

Material Name
SMJ320VC33HFGM150

Material Description:

5962-0053901QYA, Floating-Point, 150MFLOPS

TI'S WARRANTY FOR THE ARTICLES CONTAINED IN THIS SHIPMENT SHALL BE AS STATED IN THE AGREEMENT GOVERNING THE SALES OF SAID ARTICLES. AND NOTHING HEREIN SHALL BE CONSTRAINED AS A MODIFICATION TO THE SCOPE OF TI'S WARRANTY.

CERTIFICATE OF CONFORMANCE

TI CERTIFIES THAT THE PRODUCTS INCLUDED IN THIS SHIPMENT CONFORM, SUBJECT TO AND IN ACCORDANCE WITH TI'S PUBLISHED TERMS OF SALE AVAILABLE ON TI.COM, TO TI'S SPECIFICATION OR OTHER AGREED-UPON SPECIFICATION. THIS CERTIFICATE DOES NOT EXPAND THE TERMS OF TI'S WARRANTY AS SET FORTH IN TI'S TERMS OF SALE. RECORDS SUBSTANTIATING THE ABOVE STATEMENT ARE ON FILE AND WILL BE RETAINED IN ACCORDANCE WITH TI RECORDS RETENTION REQUIREMENTS. CUSTOMER PART NUMBER(S) REFERENCED ON THIS DOCUMENT ARE FOR CUSTOMER INTERNAL USE ONLY UNLESS CONFORMANCE TO THE CUSTOMER DRAWING HAS BEEN AGREED UPON IN WRITING BY TI.

Latest Re-inspection Date _____

For Lot Number _____

Signed by _____

QA Lot Number
9004417

Date Code
1911B

Quantity
8

Assembly Site
THA

Texas Instruments Incorporated
Military Products Department
Military High Reliability Integrated Circuits
Processing Conformance Report

51915ABG1.1

Device Type: **SMJ320VC33HFGM150**
SMD: **5962-0053901QYA**
Processing Type: **CLASS Q**

PCR Lot Number: **9004417**
Device Description: **5962-0053901QYA Floating Point**

Assembly Location: **MMT**
Wafer Lot #: **2718020**
Wafer #: **8**

Assembly Date Code Year: **2019** Week: **11** Lot Window: **B**
Wafer Lot Date Code Year: **2013** Qtr: **1Q** Die Rev: **C** W/F Code: **C**

Integrated Circuits referenced above have received the following processing per recorded lot history:

SCREEN	METHOD	(MIL-STD-883)
☒ INTERNAL VISUAL PRECAP	2010	CONDITION B
☒ TEMPERATURE CYCLING	1010	CONDITION C
☒ CENTRIFUGE	2001	CONDITION E, Y1 PLANE
☒ INTERIM ELECTRICAL TEST		25c DC / FUNCTIONAL
☒ BURN IN	1015	TEMP (°C): 140c PDA 1: 6.27% TIME (Hrs): Z PDA 2: N/A

FINAL ELECTRICAL TEST TEMP ☒ 25c ☐ 125c ☐ -55c ☐ N/A ☐ N/A

TEST PROGRAM # / Rev **F320VC33M01/EVA** **N/A** **N/A**

☒ HERMETICITY	1014	
FINE LEAK		CONDITION A OR B
GROSS LEAK		CONDITION C
☒ EXTERNAL VISUAL	2009	

QUALITY CONFORMANCE ATTRIBUTE DATA GROUP "A" SUMMARY

SUBGROUP	TEST & TEMP	SAMPLE SIZE
☒ A-1/4/7	DC ELECTRICAL - AMBIENT	116 OR 100%
☐ A-2/5/8	DC ELECTRICAL - MAXIMUM	116 OR 100%
☐ A-3/6/8	DC ELECTRICAL - MINIMUM	116 OR 100%
☒ A-9	AC ELECTRICAL - AMBIENT	116 OR 100%
☐ A-10	AC ELECTRICAL - MAXIMUM	116 OR 100%
☐ A-11	AC ELECTRICAL - MINIMUM	116 OR 100%

Device Lead-Finish complies with MIL-PRF-38535 A.3.5.6.3 Microcircuit finishes: "Finishes of all external leads or terminals and all external metal package elements shall conform to either A.3.5.6.3.2 or A.3.5.6.3.3 as applicable. The use of pure tin, as an underplate or final finish, is prohibited both internally and externally. The tin content of solder shall not exceed 97 percent. Tin shall be alloyed with a minimum of 3 percent lead by weight."

SOLDER PROCESSING DATE (IF APPLICABLE): **05/11/2019**

Prepared By: **Watchara Thonhaweke** Date: **05/11/2019**

QCI Group B - Lot #: 9002384	Date Code: 1911A	Pkg Type: 141GFA	Lead Finish: A
QCI Group C - Lot #: 7353036	Date Code: 1728E	MCG: 108	Wafer Lot Date Code: 3A
QCI Group D - Lot #: 8007924	Date Code: 1838A	Pkg Type: 14HER	Lead Finish: C
QCI Group E - Lot #:	Wafer Lot #:		
Wafer Lot Accept - Lot #:	Wafer Lot #:		


**TEXAS
INSTRUMENTS**

 TI HIRel PDC
 TEXAS INSTRUMENTS
 13601 INDEPENDENCE PARKWAY
 FORT WORTH TX 76177
CC:YesShip to No. **163955**
 ARROW ELECTRONICS INC XLR8
 665 MAESTRO DR
 RENO NV 89511-2206
Sold to No. **163424**
 ARROW CORPORATE XLR8 T1
 220 RABRO DR
 HAUPPAUGE NY 11788-4232

TO Create Date	TO Create Time
20200511	21:17:54
Print Date	Est. Ship Date
20200513	20200526
E.P.S.D.	Cust. Request Date
20200513	00000000

ZV62 only PACKLIST/
 Delivery Document No.
600422698

	Export License/Letter of Credit -
	Carrier Fedex National LTL
Vendor Account Information	Shipping Condition Fifth day delivery


 Transfer Order No.
1260951
TI-Owned Consignment Delivery
 Customer PO No.
BMV3800001988

 Sales Order No.
1005233796
**MAY 14 2020**

Cust Part:

Rev.:

Material Entered

SMJ320VC33HFGM150**Picking/Packing/Shipping Instructions**

No Cust label required except when Material Entered is different from TI Part or
 Cust Part# is Present (Not blank)
 Customer PO Item No.: 001



Item No.: 10


 TI Mtl description: 5962-0053901QYA, Floating-Point, 150MFLOPS
 TI Part #
Qty: **8****SMJ320VC33HFGM150**

0001 AS1 AS-SMJ320V 9004417 THA 1911B

8

These items are controlled by the U.S. government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Extended Shelf Life Conformance Statement

Texas Instruments confirms that the applicable sales order items included in this shipment that are over 2 years old conform to the requirements of the applicable specification in effect as of the date of manufacture. The designated items will comply with the current datasheet and quality and reliability standards (subject to any written waiver or print evaluation and acceptance form).

Customer part number(s) referenced on this document are for customer internal use only unless conformance to the customer drawing has been agreed upon in writing by TI.

TI's warranty for the articles contained in this shipment shall be as stated in the agreement governing the sale of said SO items, and nothing herein shall be constrained as a modification to the scope of TI's warranty.

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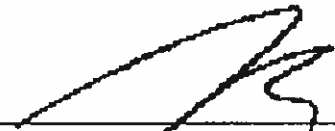
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Authorized representative



05/13/2020
MAY 14 2020

Date