



Subject: Motorola PRODUCT AND PROCESS CHANGE NOTIFICATION 4945

TITLE: CUSTOMER ALERT -- POTENTIAL PROBLEM WITH PARTS LM2574 AND
LM2575

EFFECTIVE DATE: 29-JUL-99

AFFECTED CHANGE CATEGORIES
Assembly Process

AFFECTED PRODUCT DIVISIONS
GENERAL PURPOSE PRO

ADDITIONAL RELIABILITY DATA: None

Ref:

SAMPLES: No

Ref:

For any questions concerning this notification:

REFERENCE: SEE BELOW

PHONE: SEE BELOW

DISCLAIMER:

MOTOROLA WILL CONSIDER THIS CHANGE APPROVED UNLESS SPECIFIC CONDITIONS OF
ACCEPTANCE ARE PROVIDED IN WRITING WITHIN 30 DAYS OF RECEIPT OF THIS NOTICE. TO
DO SO, CONTACT YOUR LOCAL MOTOROLA SALES OFFICE.

GPCN FORMAT: CUSTOMER

DO NOT REPLY TO THIS MESSAGE.

PRODUCT AND PROCESS CHANGE NOTIFICATION

ISSUE DATE: 28-Jul-1999

NOTIFICATION #:4945

EFFECTIVE DATE: 29-Jul-1999

ISSUING DIVISION:PHX-GPPD

DESCRIPTION AND PURPOSE

This Customer Alert is intended for internal use by Motorola SPS and Customers.

CUSTOMER ALERT

July 6th, 1999

Motorola part type: LM2574 and LM2575

Affected date codes: See detail below

Description of potential problem: Motorola wishes to notify all customers who have purchased the LM2574 and LM2575 series devices that they may encounter some issue in their application when the following conditions are met: Vin voltage greater than 34V and die temperature greater than 70 degrees C.

Summary of evaluations/findings: Some devices may temporarily lose their functionality after a few hours (typical 1-4 hours) of operation in applications when operated at the above conditions. Devices used at lower Vin voltage than 34V are fully functional over time.

Motorola actions: Corrective actions have been implemented and the product currently being manufactured does not exhibit this performance issue.

Additional information: For the LM2574, all date codes of 9847 and prior are suspect. All date codes of 9848 and newer have the corrective actions and can be used per the data sheet.

For the LM2575, please refer to the table below :

Device	Suspect date code
LM2575D2T-3.3	9828 and older
LM2575T-ADJ	9826 and older
LM2575T-12	9837 and older
LM2575T-15	9917 and older

If you need further assistance, please contact your local sales office.

Technical Contacts :

Bill Roman, SCG Product Engineering, Phoenix (480) 413-3824
Didier Besombes, SCG Prod. Eng., Toulouse 33-56 11 99 386
Jack Finney, SCG Quality Engineering, Phoenix (602) 244-7105
Ken Fergus, SCG Quality Engineering, Phoenix (602) 244-7079
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Important note : You must determine what actions to take to notify anyone who has procured affected product directly or indirectly from you.

Motorola
Semiconductor Products Sector

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QUALIFICATION PLAN

N/A

RELIABILITY DATA SUMMARY

N/A

ELECTRICAL CHARACTERISTIC SUMMARY

N/A

CHANGED PART IDENTIFICATION

For the LM2574, all date codes of 9847 and prior are suspect. All date codes of 9848 and newer have the corrective actions and can be used per the data sheet.

FILE FORMAT: ASCII TEXT

FONT - Courier
SIZE - 12 Point
LINE - 70 characters/line
PAGE - 55 lines/page
PAGEBREAK CHARACTER - ^L (Control L)

AFFECTED DEVICE LIST (WITHOUT SPECIALS)

LM2574DW-ADJ	,	LM2574DW-ADJR2	,	LM2574N-005	,	LM2574N-012
LM2574N-015	,	LM2574N-3.3	,	LM2574N-ADJ	,	LM2575D2T-3.3
LM2575T-012	,	LM2575T-015	,	LM2575T-ADJ		