



Subject: Motorola PRODUCT BULLETIN 4529

TITLE: ADDENDUM TO PCN#4396:ASSEMBLY/TEST SITE CHANGE TO SEREMBAN,  
MALAYSIA

EFFECTIVE DATE: 21-JAN-99

AFFECTED CHANGE CATEGORIES

Motorola Assembly Site

Motorola Test Site

AFFECTED PRODUCT DIVISIONS

GENERAL PURPOSE PRO

ADDITIONAL RELIABILITY DATA: Available  
Contact your local Motorola Sales Office.

Ref: TTT490

SAMPLES: Contact Below  
Contact your local Motorola Sales Office.

Ref: TTT490@email.sps.mot.com

For any questions concerning this notification:

REFERENCE:MARK LEVSHIN

PHONE: 602-413-7996

DISCLAIMER:

MOTOROLA CONSIDERS THIS CHANGE APPROVED UNLESS SPECIFIC CONDITIONS  
OF ACCEPTANCE ARE PROVIDED IN WRITING. TO DO SO, CONTACT YOUR LOCAL  
MOTOROLA SALES OFFICE.

GPCN FORMAT: CUSTOMER

DO NOT REPLY TO THIS MESSAGE.

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PRODUCT BULLETIN

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ISSUE DATE: 12-Mar-1999

NOTIFICATION #:4529

EFFECTIVE DATE: 21-Jan-1999

ISSUING DIVISION:PHX-GPPD

DESCRIPTION AND PURPOSE

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\*\*\*\*\* ADDENDUM \*\*\*\*\*

Made correction to changed part identification field -- Seremban location code will be "R" marking near Datecode -- instead of "TB".

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This product is being transferred from KLM, Malaysia to Seremban, Malaysia as a part of Motorola, SPS Manufactuirng Restructuring Program. Manufacturing and Final Test Equipment will be relocated to Seremban to supplement the existing Discrete DPACK line. This is a Site change only. There is no change to the assembly flow, process, die or final test.

QUALIFICATION PLAN

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same as Reliability Data

RELIABILITY DATA SUMMARY

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Reliability Tests and Results:

Performed on Device: MC33269DT-3.3

Product Line: REGT6933

TEST	CONDITION	DURATION	REJ/SIZE
HTOL	145 C/VCC	168 HR	0/3X77
	145 C/VCC	504 HR expect.completion	WW1,99
MSL 1:			
A.TEMP	CYCLING PRE-CONDITIONING		0/3X77
	-65 - 150 C	200 CYC	0/3X77
	-65 - 150 C	500 CYC	WW52,98
B.	AUTOCLAVE PRE-CONDITIONING		0/3X77
	121 C/15PSIG	96 HR	0/3X77
C.	HAST PRE-CONDITIONING		0/3X77
	130 C/85%	50 HR	NA
AUTOCLAVE	121 C/15PSIG	192 HR	0/3X77
TEMP CYCLING	-65 - 150C	1000 CYC	0/3X77
HIGH TEMP STOR	150C	1000 HR	NA
SOLDERABILITY		MIL-STD-750	0/20
WIREPULL	MIN LIM 9.5G		30/CPK 2.09
BALLSHEAR	MIN LIM 115G		30/CPK 1.55

All tests are performed by Motorola, Seremban Facility.

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PRODUCT BULLETIN

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ISSUE DATE: 12-Mar-1999

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EFFECTIVE DATE: 21-Jan-1999

ISSUING DIVISION:PHX-GPPD

ELECTRICAL CHARACTERISTIC SUMMARY

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THIS IS AN ASSEMBLY CHANGE ONLY: THERE IS NO CHANGE TO THE DIE ELECTRICAL DISTRIBUTION HAS BEEN PERFORMED AT ALL TEST PARAMETERS AND EACH PARAMETER'S DISTRIBUTION HAS A CPK GREATER THAN 1.66

CHANGED PART IDENTIFICATION

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Seremban location code will be "R" marking near Datecode.

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)

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LM2931ADT-1-5.0 , LM2931ADT-5.0 , LM2931ADT-5.0RK , LM2931DT-5.0  
LM317MABDT , LM317MABDTRK , LM317MADTRK , LM317MBDT  
LM317MBDTRK , LM317MDT , LM317MDT-001 , LM317MDTRK  
LP2950ACDT-3.0 , LP2950ACDT-3.3 , LP2950ACDT-5.0 , LP2950ACDT-5.0RK  
LP2950CDT-3.0 , LP2950CDT-3.3 , LP2950CDT-3.3RK , LP2950CDT-5.0  
MC33269DT , MC33269DT-012 , MC33269DT-3.3 , MC33269DT-5.0  
MC33269DTRK , MC33269DTRK-012 , MC33269DTRK-3.3 , MC33269DTRK-5.0  
MC33275DT-2.5 , MC33275DT-2.5RK , MC33275DT-3.0 , MC33275DT-3.0RK  
MC33275DT-3.3 , MC33275DT-3.3RK , MC33275DT-5.0 , MC33275DT-5.0RK  
MC33769DT-3.3 , MC34268DT , MC34268DTRK , MC78M05ACDT  
MC78M05ACDTRK , MC78M05BDT , MC78M05BDT-001 , MC78M05BDTRK  
MC78M05CDT , MC78M05CDT-001 , MC78M05CDTRK , MC78M06CDT  
MC78M06CDTRK , MC78M08ACDT , MC78M08ACDTRK , MC78M08BDT  
MC78M08BDTRK , MC78M08CDT , MC78M08CDTRK , MC78M09BDT  
MC78M09BDTRK , MC78M09CDT , MC78M09CDTRK , MC78M12ACDT  
MC78M12ACDTRK , MC78M12BDT , MC78M12BDTRK , MC78M12CDT  
MC78M12CDT-001 , MC78M12CDTRK , MC78M15ACDT , MC78M15ACDTRK  
MC78M15BDT , MC78M15BDTRK , MC78M15CDT , MC78M15CDTRK  
MC78M18CDT , MC79M05BDT , MC79M05BDTRK , MC79M05CDT  
MC79M05CDT-001 , MC79M05CDTRK , MC79M08BDT , MC79M08CDT  
MC79M08CDTRK , MC79M12BDT , MC79M12BDTRK , MC79M12CDT  
MC79M12CDTRK , MC79M15BDT , MC79M15BDT-001 , MC79M15BDTRK  
MC79M15CDT , MC79M15CDT-001 , MC79M15CDTRK , SC78M05BDTRK  
SC78M08CDTRK , SC901000DTRK , SC901002DTRK