



PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

19-JUL-2001

SUBJECT: Product/Process Change Notification #11528

TITLE: Initial Notification for Transfer of Analog Devices from Motorola BMC to Tesla

EFFECTIVE DATE: 19-Jul-2002

AFFECTED CHANGE CATEGORY: On Semiconductor Fab Site & Subcontractor Fab Site

AFFECTED PRODUCT DIVISION: Analog Products

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Joe Duffalo<FFBH9W @onsemi.com>

SAMPLES: No

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Office or Alan Garlington <RPR120 @onsemi.com>

DISCLAIMER:

Initial Product/Process Change Notification (IPCEN) -First Notification distributed to customers.
Distributed at least 120 days from the effective date of the change.

Final Product/Process Change Notification (FPCEN) -Final Notification completing the notification process. Distributed at least 60 days from the effective date of the change. ON Semiconductor 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 ON Semiconductor Sales Office.

DESCRIPTION AND PURPOSE:

This is an Initial PCN to notify customers of the intent to transfer and qualify devices currently being processed at the Motorola BMC wafer fab in Mesa, AZ to the existing ON Semiconductor Tesla wafer fab in the Czech Republic. The Tesla wafer fab will be the primary wafer fab for these products and BMC will remain as a secondary back up source to be used as capacity needs require. The Tesla wafer fab is fully qualified to run Analog products and has been in production for many years running similar process flows. The existing design database currently in use at BMC will be transferred to Tesla with no change to the functional circuit design. New mask sets will be generated which will incorporate required process control and alignment patterns.

Full electrical characterization will be performed on all devices transferred to insure no change to device functionality or data sheet electrical specifications.

As this is an initial PCN only, a final PCN will be issued at least 60 days prior to actual conversion. The anticipated timeframe for this transfer program will begin in August 2001 and continue through July 2002. The final PCN's will be issued on a month to month basis and contain specific dates for each device. Samples will be available per the Final PCN schedules.



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QUALIFICATION PLAN:

Reliability Testing Requirements Summary:

Test Name	Test	Test Conditions	Accept	Read Point	SS	Lots
High Temp Operating Life	HTOL	Ta=150	c=0	504	80	10
Preconditioning	PC	PC devices prior to TC, AC, and HAST.	c=0	0 & End Point		
Highly Accelerated Stress Test	HAST	Ta=131; RH=85% Biased		0, 96	80	3
Autoclave	AC	Ta=121; RH=100%		0, 96	80	3
Temperature Cycle	TC	Ta=-65 to +150 C For 500 cycles		500	80	9
Electrostatic Discharge	ESD	HBM; MM & CDM		3 Units/voltage level		1

Reliability testing will be performed on 7 different device types which represent the greatest volume or die size within each category. Specific devices (***) to be tested are:

LP2950	1 lot
MC33074	3 lots
MC33269	3 lots
MC34161P	1 lot
MC79xx	1 lot
NCP1117	1 lot
TL431	1 lot

*** Reliability data will also be supplemented by ON Semiconductors ongoing Reliability Audit Program.

RELIABILITY DATA SUMMARY: To be issued with Final PCNs.

ELECTRICAL CHARACTERISTIC SUMMARY: To be issued with Final PCNs.

CHANGED PART IDENTIFICATION:

No change to standard device marking. Normal assembly lot traceability codes can be used to identify wafer fab source.

**Product/Process Change Notification #11528****AFFECTED DEVICE LIST (WITHOUT SPECIALS):****PART**

BS33269DTRK-3.3
FLM285D-1.2
FLM285D-1.2R2
FLM285D-2.5
FLM285D-2.5R2
FLP2951ACD
FLP2951ACDR2
FMC33072AD
FMC33072ADR2
FMC33072D
FMC33072DR2
FMC33074DR2
FMC33078D
FMC33078DR2
FMC33161D
FMC33161DR2
FMC33172D
FMC33172DR2
FMC33269D-3.3
FMC33269DR2-3.3
FMC34072D
FMC34072DR2
FTL431BID
FTL431BIDR2
LM201AD
LM201ADR2
LM201AN
LM285D-1.2
LM285D-1.2R2
LM285D-2.5
LM285D-2.5R2
LM285Z-1.2
LM285Z-1.2RA
LM285Z-2.5
LM285Z-2.5RA
LM285Z-2.5RP
LM301AD
LM301ADR2
LM301AN
LM323AT
LM323T
LM337AT
LM337BD2T
LM337BD2TR4
LM337BT
LM337D2T
LM337D2TR4
LM337T
LM350BT
LM350T
LM385BD-1.2

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LM385BD-1.2R2
LM385BD-2.5
LM385BD-2.5R2
LM385BZ-1.2
LM385BZ-1.2RA
LM385BZ-1.2RP
LM385BZ-2.5
LM385BZ-2.5RA
LM385D-1.2
LM385D-1.2R2
LM385D-2.5
LM385D-2.5R2
LM385Z-1.2
LM385Z-1.2RA
LM385Z-1.2RP
LM385Z-2.5
LM385Z-2.5RA
LM385Z-2.5RP
LM833D
LM833DR2
LM833N
LP2950ACDT-3.0
LP2950ACDT-3.3
LP2950ACDT-5.0
LP2950ACDT-5.0RK
LP2950ACZ-3.0
LP2950ACZ-3.3
LP2950ACZ-3.3RA
LP2950ACZ-5.0
LP2950ACZ-5.0RA
LP2950CDT-3.0
LP2950CDT-3.0RK
LP2950CDT-3.3
LP2950CDT-3.3RK
LP2950CDT-5.0
LP2950CDT-5.0RK
LP2950CZ-3.0
LP2950CZ-3.3
LP2950CZ-3.3RA
LP2950CZ-5.0
LP2950CZ-5.0RA
LP2950CZ-5.0RP
LP2951ACD
LP2951ACD-3.0
LP2951ACD-3.0R2
LP2951ACD-3.3
LP2951ACDM-3.0R2
LP2951ACDM-3.3R2
LP2951ACDM-5.0R2
LP2951ACDMR2
LP2951ACDR2
LP2951ACN
LP2951ACN-3.0
LP2951ACN-3.3
LP2951CD
LP2951CD-3.0

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LP2951CD-3.0R2
LP2951CD-3.3
LP2951CD-3.3R2
LP2951CDM-3.0R2
LP2951CDM-3.3R2
LP2951CDM-5.0R2
LP2951CDMR2
LP2951CDR2
LP2951CN
LP2951CN-3.0
LP2951CN-3.3
MC1403BD
MC1403BDR2
MC1403BP1
MC1403D
MC1403DR2
MC1403P1
MC33030DW
MC33030DWR2
MC33030P
MC3303D
MC3303DR2
MC3303P
MC33060AD
MC33060ADR2
MC33060AP
MC33063AD
MC33063ADR2
MC33063AP1
MC33063AVD
MC33063AVDR2
MC33063AVP
MC33071AD
MC33071ADR2
MC33071AP
MC33071D
MC33071DR2
MC33071P
MC33072AD
MC33072ADR2
MC33072AP
MC33072D
MC33072DR2
MC33072P
MC33074AD
MC33074ADR2
MC33074ADTB
MC33074ADTBR2
MC33074AP
MC33074D
MC33074DR2
MC33074DTB
MC33074DTBR2
MC33074P
MC33077D
MC33077DR2

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MC33077P
MC33078D
MC33078DR2
MC33078P
MC33079D
MC33079DR2
MC33079P
MC33160DW
MC33160DWR2
MC33160P
MC33161D
MC33161DMR2
MC33161DR2
MC33161P
MC33163DW
MC33163DWR2
MC33163P
MC33164D-003
MC33164D-005
MC33164D-3R2
MC33164D-5R2
MC33164DM-3R2
MC33164DM-5R2
MC33164P-003
MC33164P-005
MC33164P-3RP
MC33164P-4.6RA
MC33164P-5RA
MC33164P-5RP
MC33166D2T
MC33166D2TR4
MC33166T
MC33166TH
MC33166TV
MC33167D2T
MC33167T
MC33167TH
MC33167TV
MC33171D
MC33171DR2
MC33171P
MC33172D
MC33172DR2
MC33172P
MC33172VD
MC33172VDR2
MC33174D
MC33174DR2
MC33174DTB
MC33174DTBR2
MC33174P
MC33174VDR2
MC33174VP
MC33269D
MC33269D-012
MC33269D-3.3

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MC33269D-3.3R2
MC33269D-5.0
MC33269DR2
MC33269DR2-012
MC33269DR2-3.3
MC33269DR2-5.0
MC33269DT
MC33269DT-012
MC33269DT-3.3
MC33269DT-5.0
MC33269DTRK
MC33269DTRK-012
MC33269DTRK-3.3
MC33269DTRK-5.0
MC33269ST-3.3R2
MC33269ST-3.3T3
MC33269T
MC33269T-012
MC33269T-3.3
MC33269T-5.0
MC33272AD
MC33272ADR2
MC33272AP
MC33274AD
MC33274ADR2
MC33274AP
MC3403D
MC3403DR2
MC3403P
MC34060AD
MC34060ADR2
MC34060AP
MC34063AD
MC34063ADR2
MC34063AM
MC34063AMEL
MC34063AP1
MC34063BD
MC34063BDR2
MC34071AD
MC34071ADR2
MC34071AP
MC34071D
MC34071DR2
MC34071P
MC34072AD
MC34072ADR2
MC34072AP
MC34072D
MC34072DR2
MC34072P
MC34072VD
MC34072VDR2
MC34072VP
MC34074AD
MC34074ADR2

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MC34074AP
MC34074D
MC34074DR2
MC34074P
MC34074VD
MC34074VDR2
MC34074VP
MC34160DW
MC34160DWR2
MC34160P
MC34161D
MC34161DMR2
MC34161DR2
MC34161P
MC34163DW
MC34163DWR2
MC34163P
MC34164D-003
MC34164D-005
MC34164D-3R2
MC34164D-5R2
MC34164DM-3R2
MC34164DM-5R2
MC34164P-003
MC34164P-005
MC34164P-3RP
MC34164P-5RA
MC34164P-5RP
MC34164SN-5T1
MC34166D2T
MC34166D2TR4
MC34166T
MC34166TH
MC34166TV
MC34167D2T
MC34167T
MC34167TH
MC34167TV
MC34268D
MC34268DR2
MC34268DT
MC34268DTRK
MC34268STT1
MC34268STT3
MC3479P
MC3488AD
MC3488ADR2
MC3488AP1
MC78T05ABT
MC78T05ACT
MC78T05BT
MC78T05CD2T
MC78T05CD2TR4
MC78T05CT
MC78T08CT
MC78T12ACT

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MC78T12BT
MC78T12CT
MC78T15ABT
MC78T15ACT
MC78T15CT
MC7905ACD2T
MC7905ACD2TR4
MC7905ACT
MC7912ACD2T
MC7912ACT
MC7915ACD2T
MC7915ACT
NCP1117D2T-033
NCP1117D2T-33R4
NCP1117D2T-ADJ
NCP1117D2T-ADJR4
NCP1117DT
NCP1117DT12
NCP1117DT12RK
NCP1117DT15
NCP1117DT15RK
NCP1117DT18
NCP1117DT18RK
NCP1117DT20
NCP1117DT20RK
NCP1117DT25
NCP1117DT25RK
NCP1117DT285
NCP1117DT285RK
NCP1117DT33
NCP1117DT33RK
NCP1117DT50
NCP1117DT50RK
NCP1117DTRK
NCP1117ST-33T3
NCP1117ST-ADJT3
NCP1117ST15T3
NCP1117ST18T3
NCP1117ST20T3
NCP1117ST25T3
NCP1117ST33T3
NCP1117ST50T3
NCP1117T-033
NCP1117T-ADJ
NCV494BDR2
SA33072DR2
SC111013D
SC33074DR2
SC792703DR2
SG3525AN
TCM2950-3.0VVB
TCM2950-3.3VVB
TCM2951-3.0VOA
TCM2951-3.3VOA
TCM2951-5.0VOA
TCM33063AVOA

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TCM33063AVOATR
TCM33063AVPA
TCM33161EOA
TCM33163EOE
TCM33163EPE
TCM33166EAT
TCM33166EBV
TCM33166ERT
TCM33167EAT
TCM33167EBV
TCM33167ERT
TCM33269-3.3VOA
TCM33269-3.3VVB
TCM78T05A-5VBB
TCM78T12A-12VBB
TCM78T15A-15VBB
TL431BCD
TL431BCDMR2
TL431BCDR2
TL431BCLP
TL431BCLPRA
TL431BCLPRE
TL431BCP
TL431BID
TL431BIDMR2
TL431BIDR2
TL431BILP
TL431BILPRA
TL431BIP
TL431BVD
TL431BVDMR2
TL431BVLP
TL431BVP
TL494BD
TL494BDR2
TL494CD
TL494CDR2
TL494CN
TL494IN
TL594CD
TL594CDR2
TL594CDTB
TL594CDTBR2
TL594CN
TYA33164D-5R2
TYA33164P-5RP
TYA33272ADR2
UC2844BD1R2
UC2844BDR2
UC2844BN
UC2844D
UC2844DR2
UC2844N
UC2845BD
UC2845BD1
UC2845BD1R2



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UC2845BDR2
UC2845D
UC2845DR2
UC2845N
UC3844BD
UC3844BD1
UC3844BD1R2
UC3844BDR2
UC3844BN
UC3844BVD
UC3844BVD1
UC3844BVD1R2
UC3844BVDR2
UC3844BVN
UC3844D
UC3844DR2
UC3844N
UC3845BD
UC3845BD1
UC3845BD1R2
UC3845BDR2
UC3845BN
UC3845BVD
UC3845BVD1
UC3845BVD1R2
UC3845BVN
UC3845D
UC3845DR2
UC3845N