



Subject: Motorola PRODUCT AND PROCESS CHANGE NOTIFICATION 4813

TITLE: TRANSFER FROM BMC/BP4 TO TESLA OF ANALOG DEVICES

EFFECTIVE DATE: 27-SEP-99

AFFECTED CHANGE CATEGORIES

Motorola Fab Site

Wafer Process

AFFECTED PRODUCT DIVISIONS

GENERAL PURPOSE PRO

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

Ref: RJJ930

SAMPLES: Contact Below
Contact your local Motorola Sales Office.

Ref: R23126@email.sps.mot.com

For any questions concerning this notification:
REFERENCE:RAY SURA PHONE: 480-413-4799

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: 18-Jun-1999

NOTIFICATION #:4813

EFFECTIVE DATE: 27-Sep-1999

ISSUING DIVISION:PHX-GPPD

DESCRIPTION AND PURPOSE

The Semiconductor Components Group (SCG) proactively is issuing this change to provide additional advance notice, along with consolidating PCNs for all devices on the bipolar EPI78 and Epi79 wafer process flows. The Tesla site in Rosnov, Czech Republic is being qualified to process additional standard Analog devices to meet growing business needs and additional capacity requirements. The Tesla site has been qualified for standard analog products since 1993 and is currently running high volume analog devices. There will be no change to the function of the devices. Device parameters will continue to meet all data book specifications and reliability will continue to meet, or exceed SCG standards.

Several of the devices affected have sample availability dates after expiration of the PCN. Customers will have 30 days after the sample availability date to notify SCG of any concerns regarding this change. In case customers require an extension beyond 30 days to evaluate samples, additional time will be made available upon formal request. Please notify your local sales representative for the samples you need as soon as possible; for your convenience the device sample availability list follows below.

DEVICE	SAMPLE AVAIL. DATE	DEVICE	SAMPLE AVAIL. DATE
MC1488D	Sept, 99	SC79975DR2	Apr, 00
MC1488DR2	Sept, 99	SC901001DR2	Apr, 00
MC1488M	Sept, 99	LM201AD	Mar, 00
MC1488MEL	Sept, 99	LM201ADR2	Mar, 00
MC1488ML1	Sept, 99	LM201AN	Mar, 00
MC1488MR1	Sept, 99	LM301AD	Mar, 00
MC1488P	Sept, 99	LM301ADR2	Mar, 00
MCW1488C	Sept, 99	LM301AN	Mar, 00
SC111688P	Sept, 99	LMW301A	Mar, 00
MC3488AD	Aug, 99	SC74730D1R2	Mar, 00
MC3488ADR2	Aug, 99	LM211D	Sept,99
MC3488AP1	Aug, 99	LM211DR2	Sept,99
TY38403	Sept, 99	LM311D	Sept,99
TYA2803A	Sept, 99	LM311DR2	Sept,99
ULN2803A	Sept, 99	LM311N	Sept,99
ULNW2803	Sept, 99	LMW311	Sept,99
ULN2804A	Sept, 99	MC1436D	Mar, 00
LP2950ACDT-3.0	Dec, 99	MC1436DR2	Mar, 00
LP2950CDT-3.0	Dec, 99	MCW1436C	Mar, 00
LP2950CZ-3.0	Dec, 99	MC1776CD	Apr, 00
LP2950ACDT-3.3	Dec, 99	MC1776CDR2	Apr, 00
LP2950ACZ-3.3	Dec, 99	MC1776CP1	Apr, 00
LP2950ACZ-3.3RA	Dec, 99	MC3476P1	Apr, 00
LP2950CDT-3.3	Dec, 99	MC33072D	Feb, 00
LP2950CDT-3.3RK	Dec, 99	MC33072DR2	Feb, 00
LP2950CZ-3.3	Dec, 99	MC33072P	Feb, 00
LP2950CZ-3.3RA	Dec, 99	MC34072D	Feb, 00
LP2951ACD-3.0	Nov, 99	MC34072DR2	Feb, 00
LP2951ACD-3.0R2	Nov, 99	MC34072JOR2	Feb, 00
LP2951ACN-3.0	Nov, 99	MC34072P	Feb, 00
LP2951CD-3.0	Nov, 99	MC34072VD	Feb, 00
LP2951CN-3.0	Nov, 99	MC34072VDR2	Feb, 00

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LP2951ACD-3.3	Nov, 99	MC34072VP	Feb, 00
LP2951ACN-3.3	Nov, 99	MCW34072	Feb, 00
LP2951CD-3.3	Nov, 99	SC111954DR2	Feb, 00
LP2951CD-3.3R2	Nov, 99	MC33072AD	Feb, 00
LP2951CN-3.3	Nov, 99	MC33072ADR2	Feb, 00
LP2951ACDM-3.0R2	Nov, 99	MC33072AP	Feb, 00
LP2951ACDM-3.3R2	Nov, 99	MC34072AD	Feb, 00
SC2951ACDM-3.3	Nov, 99	MC34072ADR2	Feb, 00
LP2951ACDM-5.0R2	Nov, 99	MC34072AP	Feb, 00
LP2951CDMR2	Nov, 99	MC33077D	Dec, 99
LM337AT	Sept, 99	MC33077DR2	Dec, 99
LM337BD2T	Sept, 99	MC33077P	Dec, 99
LM337BD2TR4	Sept, 99	LM833D	July, 99
LM337BT	Sept, 99	LM833DR2	July, 99
LM337D2T	Sept, 99	LM833N	July, 99
LM337D2TR4	Sept, 99	MC33078D	July, 99
LM337T	Sept, 99	MC33078DR2	July, 99
LM337MT	Mar, 00	MC33078M	July, 99
LM350BT	Sept, 99	MC33078ML1	July, 99
LM350T	Sept, 99	MC33078P	July, 99
FLM2931AD-5.0R2	Mar, 00	MC33079D	Aug, 99
LM2931AD-5.0	Mar, 00	MC33079DR2	Aug, 99
LM2931AD-5.0R2	Mar, 00	MC33079MR1	Aug, 99
LM2931AD2T-5.0	Mar, 00	MC33079P	Aug, 99
LM2931AD2T-5.0R4	Mar, 00	MC33171D	Feb, 00
LM2931ADT-5.0	Mar, 00	MC33171DR2	Feb, 00
LM2931ADT-5.0RK	Mar, 00	MC33171P	Feb, 00
LM2931AT-5.0	Mar, 00	MCW33171	Feb, 00
LM2931AZ-5.0	Mar, 00	FMC33172DR2	Mar, 00
LM2931AZ-5.0RA	Mar, 00	MC33172D	Mar, 00
LM2931AZ-5.0RP	Mar, 00	MC33172DR2	Mar, 00
LM2931D-5.0	Mar, 00	MC33172MEL	Mar, 00
LM2931D-5.0R2	Mar, 00	MC33172P	Mar, 00
LM2931D2T-5.0	Mar, 00	MCW33172	Mar, 00
LM2931D2T-5.0R4	Mar, 00	TY30513DR2	Mar, 00
LM2931DT-5.0	Mar, 00	MC33174D	Feb, 00
LM2931T-5.0	Mar, 00	MC33174DR2	Feb, 00
LM2931Z-5.0	Mar, 00	MC33174M	Feb, 00
SC111400ADR2	Mar, 00	MC33174P	Feb, 00
SC79021P	Mar, 00	MC33174VDR2	Feb, 00
SC79021P-001	Mar, 00	MC33174VP	Feb, 00
TY40422RP	Mar, 00	MCW33174	Feb, 00
LM2931CD	Dec, 99	MC33272AD	Feb, 00
LM2931CD2T	Dec, 99	MC33272ADR2	Feb, 00
LM2931CD2TR4	Dec, 99	MC33272AP	Feb, 00
LM2931CDR2	Dec, 99	MC33274AD	Feb, 00
LM2931CT	Dec, 99	MC33274ADR2	Feb, 00
LM2931CTV	Dec, 99	MC33274AP	Feb, 00
LM2935D2T	Mar, 00	MC33071D	Apr, 00
LM2935T	Mar, 00	MC33071DR2	Apr, 00
LM317MABDT	Mar, 00	MC33071P	Apr, 00
LM317MABDTRK	Mar, 00	MC34071D	Apr, 00

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LM317MABT	Mar, 00	MC34071DR2	Apr, 00
LM317MADTRK	Mar, 00	MC34071JOR2	Apr, 00
LM317MBDT	Mar, 00	MC34071P	Apr, 00
LM317MBDTRK	Mar, 00	MCW34071	Apr, 00
LM317MBT	Mar, 00	MC33071AD	Apr, 00
LM317MDT	Mar, 00	MC33071ADR2	Apr, 00
LM317MDTRK	Mar, 00	MC33071AP	Apr, 00
LM317MT	Mar, 00	MC34071AD	Apr, 00
SA317MDTRK	Mar, 00	MC34071ADR2	Apr, 00
SC901000DTRK	Mar, 00	MC34071AP	Apr, 00
SC901002DTRK	Mar, 00	SC78117P1	Mar, 00
LP2950ACDT-5.0	Dec, 99	SC78117P2	Mar, 00
LP2950ACDT-5.0RK	Dec, 99	MC3405P	Mar, 00
LP2950ACZ-5.0	Dec, 99	MC4558CD	Dec, 99
LP2950ACZ-5.0RA	Dec, 99	MC4558CDR2	Dec, 99
LP2950CDT-5.0	Dec, 99	MC4558CP1	Dec, 99
LP2950CDT-5.0RK	Dec, 99	MC4558VD	Dec, 99
LP2950CP-005	Dec, 99	MC4558VDR2	Dec, 99
LP2950CZ-5.0	Dec, 99	TYA33272ADR2	Feb, 00
LP2950CZ-5.0RA	Dec, 99	MC33060ADR2	Dec, 99
LP2950CZ-5.0RP	Dec, 99	MC33060AP	Dec, 99
FLP2951ACDR2	Nov, 99	MC34060AD	Dec, 99
LP2951ACD	Nov, 99	MC34060ADR2	Dec, 99
LP2951ACD-005	Nov, 99	MC34060AP	Dec, 99
LP2951ACD-5R2	Nov, 99	MC33063AD	Dec, 99
LP2951ACDR2	Nov, 99	MC33063ADR2	Dec, 99
LP2951ACN	Nov, 99	MC33063AP1	Dec, 99
LP2951CD	Nov, 99	MC33063AVD	Dec, 99
LP2951CD-005	Nov, 99	MC34063AD	Dec, 99
LP2951CD-5R2	Nov, 99	MC34063ADR2	Dec, 99
LP2951CDR2	Nov, 99	MC34063AM	Dec, 99
LP2951CN	Nov, 99	MC34063AMEL	Dec, 99
MC1403BD	Dec, 99	MC34063AML1	Dec, 99
MC1403BDR2	Dec, 99	MC34063AML2	Dec, 99
MC1403BP1	Dec, 99	MC34063AMR1	Dec, 99
MC1403D	Dec, 99	MC34063AMR2	Dec, 99
MC1403DR2	Dec, 99	MC34063AP1	Dec, 99
MC1403P1	Dec, 99	MC34063BD	Dec, 99
MCW1403	Dec, 99	MC34063BDR2	Dec, 99
SC79137BDR2	Dec, 99	SC111003AMEL	Dec, 99
MC1404P5	Dec, 99	SC111005AP1	Dec, 99
MC1723BD	Oct, 99	SC111020AP1	Dec, 99
MC1723BDR2	Oct, 99	SC79183DR2	Dec, 99
MC1723CD	Oct, 99	MC34060P	Dec, 99
MC1723CDR2	Oct, 99	SC79087P	Dec, 99
MC1723CP	Oct, 99	MC33160DW	Dec, 99
MCW1723C	Oct, 99	MC33160DWR2	Dec, 99
MC34061P	Mar, 00	MC33160P	Dec, 99
MC33267D2T	Dec, 99	MC34160DW	Dec, 99
MC33267D2TR4	Dec, 99	MC34160DWR2	Dec, 99
MC33267T	Dec, 99	MC34160P	Dec, 99

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MC33267TH	Dec, 99	MC33163DW	Oct, 99
MC33267TV	Dec, 99	MC33163DWR2	Oct, 99
LM323AT	Dec, 99	MC33163P	Oct, 99
LM323T	Dec, 99	MC34163DW	Oct, 99
MC78T05ABT	Dec, 99	MC34163DWR2	Oct, 99
MC78T05ACT	Dec, 99	MC34163P	Oct, 99
MC78T05BT	Dec, 99	MC33166D2T	Apr, 00
MC78T05CT	Dec, 99	MC33166D2TR4	Apr, 00
MC78T08CT	Dec, 99	MC33166T	Apr, 00
MC78T12ACT	Dec, 99	MC33166TH	Apr, 00
MC78T12BT	Dec, 99	MC33166TV	Apr, 00
MC78T12CT	Dec, 99	MC34166D2T	Apr, 00
MC78T15ABT	Dec, 99	MC34166D2TR4	Apr, 00
MC78T15ACT	Dec, 99	MC34166T	Apr, 00
MC78T15CT	Dec, 99	MC34166TH	Apr, 00
MC7905.2CT	Mar, 00	MC34166TV	Apr, 00
MC79L05ABD	Nov, 99	MC33167D2T	Apr, 00
MC79L05ABDR2	Nov, 99	MC33167T	Apr, 00
MC79L05ABP	Nov, 99	MC33167TH	Apr, 00
MC79L05ABPRA	Nov, 99	MC33167TV	Apr, 00
MC79L05ACD	Nov, 99	MC34167D2T	Apr, 00
MC79L05ACDR2	Nov, 99	MC34167T	Apr, 00
MC79L05ACP	Nov, 99	MC34167TH	Apr, 00
MC79L05ACPRA	Nov, 99	MC34167TV	Apr, 00
MC79L05ACPRA	Nov, 99	MC3423D	Oct, 99
MC79L05ACPRP	Nov, 99	MC3423DR2	Oct, 99
MC79L05CP	Nov, 99	MC3423P1	Oct, 99
MCW79L05AC	Nov, 99	MC3425P1	Dec, 99
MCW79L05C	Nov, 99	SC2842AN	July, 99
MC79L12ABD	Nov, 99	UC3842AN2	July, 99
MC79L12ABDR2	Nov, 99	UC3843AD2R2	July, 99
MC79L12ABP	Nov, 99	UC3843AN2	July, 99
MC79L12ABPRA	Nov, 99	SG3525AN	Dec, 99
MC79L12ACD	Nov, 99	SG3526N	Dec, 99
MC79L12ACDR2	Nov, 99	SGW3526	Dec, 99
MC79L12ACP	Nov, 99	TL494BDR2	Sept, 99
MC79L12ACPRA	Nov, 99	TL494CD	Sept, 99
MC79L12ACPRP	Nov, 99	TL494CDR2	Sept, 99
MCW79L12AC	Nov, 99	TL494CN	Sept, 99
SC79156DR2	Nov, 99	TL494IN	Sept, 99
MC79L15ABD	Nov, 99	TL594CD	Sept, 99
MC79L15ABDR2	Nov, 99	TL594CDR2	Sept, 99
MC79L15ABP	Nov, 99	TL594CN	Sept, 99
MC79L15ABPRP	Nov, 99	TLW594C	Sept, 99
MC79L15ACD	Nov, 99	UA78S40PC	Oct, 99
MC79L15ACDR2	Nov, 99	UA78S40PV	Oct, 99
MC79L15ACP	Nov, 99	SC111018DR2	Aug, 99
MC79L15ACPRA	Nov, 99	SC79157DR2	Aug, 99
MC79L15ACPRP	Nov, 99	UC2842AD	Aug, 99
MC79L18ACP	Nov, 99	UC2842ADR2	Aug, 99
MC79L24ABP	Nov, 99	UC2842AN	Aug, 99

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MC79L24ACP	Nov, 99	UC3842AD	Aug, 99
MC79L24ACPRM	Nov, 99	UC3842ADR2	Aug, 99
MC79L24ACPRP	Nov, 99	UC3842AN	Aug, 99
MC79M05BDT	Apr, 00	UC3842AN1	Aug, 99
MC79M05BDTRK	Apr, 00	UC2843AD	Aug, 99
MC79M05BT	Apr, 00	UC2843ADR2	Aug, 99
MC79M05CDT	Apr, 00	UC2843AN	Aug, 99
MC79M05CDTRK	Apr, 00	UC3843AD	Aug, 99
MC79M05CT	Apr, 00	UC3843ADR2	Aug, 99
SC79184DTRK	Apr, 00	UC3843AN	Aug, 99
MC79M12BDT	Apr, 00	UC2844D	Dec, 99
MC79M12BDTRK	Apr, 00	UC2844DR2	Dec, 99
MC79M12BT	Apr, 00	UC2844N	Dec, 99
MC79M12CDT	Apr, 00	UC3844D	Dec, 99
MC79M12CDTRK	Apr, 00	UC3844DR2	Dec, 99
MC79M12CT	Apr, 00	UC3844N	Dec, 99
MC79M15BDT	Apr, 00	UC2845D	Dec, 99
MC79M15BDTRK	Apr, 00	UC2845DR2	Dec, 99
MC79M15BT	Apr, 00	UC2845N	Dec, 99
MC79M15CDT	Apr, 00	UC3845D	Dec, 99
MC79M15CDTRK	Apr, 00	UC3845DR2	Dec, 99
MC79M15CT	Apr, 00	UC3845N	Dec, 99
SC78131PRE	Mar, 00		

QUALIFICATION PLAN

See Reliability Data.

RELIABILITY DATA SUMMARY

Devices selected for reliability tests represent highest volume, largest dice sizes, complexity of processes, highest power and different back preparations. The data will be available as follows:

MC1413 - July 23, 1999
MC3488A - September 10, 1999
MC33079 - October 1, 1999
MC33174 - March 10, 2000
MC34166 - June 9, 2000

ELECTRICAL CHARACTERISTIC SUMMARY

Characterization data will be available at the same time as samples are available.

CHANGED PART IDENTIFICATION

Customers may see product starting with date code WW 39, 1999.

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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)

FLM2931AD-5.0R2	, FLP2951ACDR2	, FMC33172DR2	, LM201AD
LM201ADR2	, LM201AN	, LM211D	, LM211DR2
LM2931AD-5.0	, LM2931AD-5.0R2	, LM2931AD2T-5.0	, LM2931AD2T-5.0R4
LM2931ADT-5.0	, LM2931ADT-5.0RK	, LM2931AT-5.0	, LM2931AZ-5.0
LM2931AZ-5.0RA	, LM2931AZ-5.0RP	, LM2931CD	, LM2931CD2T
LM2931CD2TR4	, LM2931CDR2	, LM2931CT	, LM2931CTV
LM2931D-5.0	, LM2931D-5.0R2	, LM2931D2T-5.0	, LM2931D2T-5.0R4
LM2931DT-5.0	, LM2931T-5.0	, LM2931Z-5.0	, LM2935D2T
LM2935T	, LM301AD	, LM301ADR2	, LM301AN
LM311D	, LM311DR2	, LM311N	, LM317MABDT
LM317MABDTRK	, LM317MABT	, LM317MADTRK	, LM317MBDT
LM317MBDTRK	, LM317MBT	, LM317MDT	, LM317MDTRK
LM317MT	, LM323AT	, LM323T	, LM337AT
LM337BD2T	, LM337BD2TR4	, LM337BT	, LM337D2T
LM337D2TR4	, LM337MT	, LM337T	, LM350BT
LM350T	, LM833D	, LM833DR2	, LM833N
LMW301A	, LMW311	, LP2950ACDT-3.0	, LP2950ACDT-3.3
LP2950ACDT-5.0	, LP2950ACDT-5.0RK	, LP2950ACZ-3.3	, LP2950ACZ-3.3RA
LP2950ACZ-5.0	, LP2950ACZ-5.0RA	, LP2950CDT-3.0	, LP2950CDT-3.3
LP2950CDT-3.3RK	, LP2950CDT-5.0	, 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	, LP2951ACDR2
LP2951ACN	, LP2951ACN-3.0	, LP2951ACN-3.3	, LP2951CD
LP2951CD-005	, LP2951CD-3.0	, LP2951CD-3.3	, LP2951CD-3.3R2
LP2951CD-5R2	, LP2951CDMR2	, LP2951CDR2	, LP2951CN
LP2951CN-3.0	, LP2951CN-3.3	, MC1403BD	, MC1403BDR2
MC1403BP1	, MC1403D	, MC1403DR2	, MC1403P1
MC1404P5	, MC1436D	, MC1436DR2	, MC1488D
MC1488DR2	, MC1488M	, MC1488MEL	, MC1488ML1
MC1488MR1	, MC1488P	, MC1723BD	, MC1723BDR2
MC1723CD	, MC1723CDR2	, MC1723CP	, MC1776CD
MC1776CDR2	, MC1776CP1	, MC33060ADR2	, MC33060AP
MC33063AD	, MC33063ADR2	, MC33063AP1	, MC33063AVD
MC33071AD	, MC33071ADR2	, MC33071AP	, MC33071D
MC33071DR2	, MC33071P	, MC33072AD	, MC33072ADR2
MC33072AP	, MC33072D	, MC33072DR2	, MC33072P
MC33077D	, MC33077DR2	, MC33077P	, MC33078D
MC33078DR2	, MC33078P	, MC33079D	, MC33079DR2
MC33079P	, MC33160DW	, MC33160DWR2	, MC33160P
MC33163DW	, MC33163DWR2	, MC33163P	, MC33166D2T
MC33166D2TR4	, MC33166T	, MC33166TH	, MC33166TV

MC33167D2T	, MC33167T	, MC33167TH	, MC33167TV
MC33171D	, MC33171DR2	, MC33171P	, MC33172D
MC33172DR2	, MC33172P	, MC33174D	, MC33174DR2
MC33174P	, MC33174VDR2	, MC33174VP	, MC33267D2T
MC33267D2TR4	, MC33267T	, MC33267TH	, MC33267TV
MC33272AD	, MC33272ADR2	, MC33272AP	, MC33274AD
MC33274ADR2	, MC33274AP	, MC3405P	, MC34060AD
MC34060ADR2	, MC34060AP	, MC34060P	, MC34063AD
MC34063ADR2	, MC34063AM	, MC34063AMEL	, MC34063AML1
MC34063AML2	, MC34063AMR1	, MC34063AMR2	, MC34063AP1
MC34063BD	, MC34063BDR2	, MC34071AD	, MC34071ADR2
MC34071AP	, MC34071D	, MC34071DR2	, MC34071JOR2
MC34071P	, MC34072AD	, MC34072ADR2	, MC34072AP
MC34072D	, MC34072DR2	, MC34072JOR2	, MC34072P
MC34072VD	, MC34072VDR2	, MC34072VP	, MC34160DW
MC34160DWR2	, MC34160P	, MC34163DW	, MC34163DWR2
MC34163P	, MC34166D2T	, MC34166D2TR4	, MC34166T
MC34166TH	, MC34166TV	, MC34167D2T	, MC34167T
MC34167TH	, MC34167TV	, MC3423D	, MC3423DR2
MC3423P1	, MC3425P1	, MC3476P1	, MC3488AD
MC3488ADR2	, MC3488AP1	, MC4558CD	, MC4558CDR2
MC4558CP1	, MC4558VD	, MC4558VDR2	, MC78T05ABT
MC78T05ACT	, MC78T05BT	, MC78T05CT	, MC78T08CT
MC78T12ACT	, MC78T12BT	, MC78T12CT	, MC78T15ABT
MC78T15ACT	, MC78T15CT	, MC7905.2CT	, MC79L05ABD
MC79L05ABDR2	, MC79L05ABP	, MC79L05ABPRA	, MC79L05ACD
MC79L05ACDR2	, MC79L05ACP	, MC79L05ACPRA	, MC79L05ACPRP
MC79L12ABD	, MC79L12ABDR2	, MC79L12ABP	, MC79L12ABPRA
MC79L12ACD	, MC79L12ACDR2	, MC79L12ACP	, MC79L12ACPRA
MC79L12ACPRP	, MC79L15ABD	, MC79L15ABDR2	, MC79L15ABP
MC79L15ABPRP	, MC79L15ACD	, MC79L15ACDR2	, MC79L15ACP
MC79L15ACPRA	, MC79L15ACPRP	, MC79L18ACP	, MC79L24ABP
MC79L24ACP	, MC79L24ACPRM	, MC79L24ACPRP	, MC79M05BDT
MC79M05BDTRK	, MC79M05BT	, MC79M05CDT	, MC79M05CDTRK
MC79M05CT	, MC79M12BDT	, MC79M12BDTRK	, MC79M12BT
MC79M12CDT	, MC79M12CDTRK	, MC79M12CT	, MC79M15BDT
MC79M15BDTRK	, MC79M15BT	, MC79M15CDT	, MC79M15CDTRK
MC79M15CT	, MCW1403	, MCW1436C	, MCW1488C
MCW1723C	, MCW33171	, MCW33172	, MCW33174
MCW34071	, MCW34072	, MCW79L05AC	, MCW79L05C
MCW79L12AC	, SA317MDTRK	, SC111003AMEL	, SC111005AP1
SC111018DR2	, SC111020AP1	, SC111400ADR2	, SC111688P
SC111954DR2	, SC2842AN	, SC901000DTRK	, SC901001DR2
SC901002DTRK	, SG3525AN	, SG3526N	, SGW3526
TL494BDR2	, TL494CD	, TL494CDR2	, TL494CN
TL494IN	, TL594CD	, TL594CDR2	, TL594CN
TLW594C	, TYA2803A	, TYA33272ADR2	, UA78S40PC
UA78S40PV	, UC2842AD	, UC2842ADR2	, UC2842AN
UC2843AD	, UC2843ADR2	, UC2843AN	, UC2844D
UC2844DR2	, UC2844N	, UC2845D	, UC2845DR2
UC2845N	, UC3842AD	, UC3842ADR2	, UC3842AN
UC3842AN1	, UC3842AN2	, UC3843AD	, UC3843AD2R2
UC3843ADR2	, UC3843AN	, UC3843AN2	, UC3844D
UC3844DR2	, UC3844N	, UC3845D	, UC3845DR2
UC3845N	, ULN2803A	, ULN2804A	, ULNW2803