

# TECHNICAL LITERATURE IN INVENTORY



The Key to  
Total Customer  
Satisfaction

Effective Date 3rd Quarter 1994



**MOTOROLA**

*Semiconductor Products Sector*

INTERNAL AND DISTRIBUTOR USE ONLY

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# 1 (800) 441-2447 Literature 1 (800) 521-6274 Design Line

Literature Distribution Center 8:00 A.M. - 4:30 P.M. - Mountain STANDARD Time

**Phone**  
602-994-6561

**FAX**  
602-994-6430

**UB Code**  
LDC

**Posts:** Use Skip Dunlap's Account  
RJ7460

NOTE: If not for Skip, address message to LDC.  
Appropriate person will get it.

Mail Drop: Broadway Bldg. (**BB100**) Interplant Mail  
**USPS** Motorola Semiconductors Products, Inc.  
Address: P.O. Box 20924

**UPS** Motorola Semiconductors Products, Inc.  
Address: 616 W. 24th St.  
Tempe, AZ 85282

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## Customer Service 994-6561

Margie Drotos  
Jeanne Gallaway  
Betty Hayes  
Theresa Sebele  
Nancy Shene  
Velia Urias (Supervisor)

994-6672 – **SKIP DUNLAP** (Manager Physical Distribution)  
994-6580 – **BRUCE FRICK** (Marketing Support)  
994-6581 – **ROGER JACOBSON** (Special Jobs)  
994-6582 – **WAYNE HISER** (Operations Manager)  
994-6583 – **MAGGIE MIRACLE** (Inventory Control Supervisor)  
994-6014 – **ED CIOLLI** (Inventory Control Manager)

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## Codes Used On Orders From "LDC"

N/A	Not currently a stocked item at L.D.C.
T.O.	Temporarily out, contact: <b>Kelly Otto (602) 897-3699</b>
D.I.S.	Discontinued or obsolete
R.P.L.	Replaced by
L.Q.	Limited quantity available
R.I.	Restricted item, contact product marketing
O.H.	On hold, contact: <b>Kelly Otto (602) 897-3699</b>
D.T.O.	Don't tube off.

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## ATTENTION

Some devices are found  
only in product data books.  
If you don't find  
your document number listed,  
please check for it  
in the appropriate data book.

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As you go through this issue of the technical literature catalog, you will notice that the /X devices have gone away. They have been converted to a /D part number to conform with international requirements for order entry.

In the future months these will all be available on Design-Net so that your customers will have access to a FAX copy if needed ASAP.

If you have any questions, call Bruce Frick or Maggie Miracle at the Literature Distribution Center.

## **STEP BY STEP PROCEDURE FOR RUSH LITERATURE ORDERS**

1. Check for available inventory in bank "L001" before ordering.
2. Use "CSA" in the SHIP VIA FIELD, Motorola Traffic Dept guidelines are followed for carrier preference, unless the customer is paying.
3. Fix any kickouts showing on "C30" screen before proceeding.
4. Enter override address if needed.
5. Use C36 "O" notes at FO# level (no line notes) and indicate:
  - A. Need by date
  - B. Dept # for charges
  - C. If it's for a show/seminar & date
6. After completing all the above steps, do your C15 transaction.
7. Send a follow-up "U B" to (LDC) immediately after the C15, and state;
  - A. Just entered "FO#" it's a rush. (Indicate FO#).
  - B. Your name & phone number in case we need to contact you.
  - C. (Note: There is no need to restate critical info on the "U B", all needed information will be taken from the notes of the FO# itself).

Any questions about these guidelines, call Bruce Frick at (602) 994-6580.

## DATA SHEETS - NEW AND REVISED

LITERATURE #	REV #	LITERATURE #	REV #
46226/D	N/A	MC68HC05B6/D	REV 3
CALCPSTG/D	2Q94	MC68HC05B6/D	REV 3
Firmware/D	N/A	MC68HC05B6/D	REV 3
FORTRANCOMP/D	N/A	MC68HC705C8AD/D	REV 2
HAL/D	N/A	MC68HC05E6/D	N/A
PAK102/D	REV 0	M68060/D	REV 1
PAK104/D	REV 0	MCM32100D/D	N/A
MAC15/D	REV 1	MCM32103D/D	N/A
MAC16/D	REV 1	MCM32400D/D	N/A
MAC24/D	N/A	MCMC6206/D	N/A
MAC25/D	N/A	MHW6182-6/D	N/A
MAC8/D	N/A	MHW6205/D	N/A
MAC9/D	N/A	MHW6222-6/D	N/A
MBR2515L/D	N/A	MHW6205/D	N/A
MBR30100/D	N/A	MJ3281A/D	N/A
MBR3045ST/D	N/A	MJ3281A/D	N/A
MBR4015LWT/D	N/A	MJL3281A/D	N/A
MBRD835L/D	N/A	MJL3281A/D	N/A
MC10SX1130/D	N/A	MMDS05/D	N/A
LONPAK/D	REV 3	MOC3160/D	N/A
MC143150/D	REV 3	MOC3160/D	N/A
LONPAK/D	REV 3	MPC604/D	N/A
MC143150/D	REV 3	MPX7010/D	REV 0
MC33111/D	N/A	MRF10005H/D	REV 1
MC33128/D	N/A	MRF10031H/D	REV 1
MC44144/D	REV 2	MRF10070H/D	REV 1
MC54HC4051/D	REV 6	MRF10120H/D	REV 1
M68060/D	REV 1	MRF10150H/D	REV 1
MC68322/D	N/A	MRF10350H/D	REV 1
M68060/D	REV 1	MRF10500H/D	REV 1
MC68HC05B6/D	REV 3	MRF857/D	N/A
MC68HC05B6/D	REV 3	MRF858/D	N/A
MC68HC05B6/D	REV 3	MRF860/D	N/A
MC68HC05B6/D	REV 3	MRF861/D	N/A
MC68HC05B6/D	REV 3	MRF862/D	N/A
MC68HC05E6/D	N/A	MRQS/D	Y93
MC68HC05F5AD/D	N/A	MUR3060/D	N/A
MC68HC05M4TS/D	REV 1	MUR3060/D	N/A
MC68HC05M4TS/D	REV 1	PPCCOMPACPC/D	N/A
MC68HC11A8/D	REV 5		

## APPLICATION NOTES - NEW AND REVISED

ITEM	DESCRIPTION
AN1128/D	MC68EC030 40 MHz Minimal System
AN1208/D	Parallel I/O Interface to the Neuron® Chip
AN1226/D	Use of the 68HC705C8A in place of a 68HC705C8 (REV 1)
AN1227/D	Using 9346 Series Serial EEPROMs with 6805 Series Microcontrollers
AN1228/D	Interfacing the HC05 MCU to the MC145051 A/D Converter
AN1500/D	IEEE Std. 1149.1 Boundary Scan for H4C™ Arrays
AN1514/D	H4CPlus™ Series 3.3V/5V Design Considerations
AN853A/D	M146805 CMOS Family Emulators Update
AR524/D	EDN Pick the right package for your next ASIC design
DCE402/D	MC68030 25 MHz Benchmarking Board

## **AUSTIN CHIP MANUALS - NEW AND REVISED**

<b>ITEM</b>	<b>DESCRIPTION</b>
CTMRM/D	Modular Microcontroller Family CTM Configurable Timer Module Reference Manual
MC68331UM/AD	MC68331 UM (REV 1)
MC68332UM/AD	MC68332 UM (REV 1)
MC68840UMAD/AD	
MPC603UM/AD	PowerPC™ 603 RISC Microprocessor User's Manual

## **AUSTIN - INSTRUCTION SET CARDS - NEW AND REVISED**

<b>ITEM</b>	<b>DESCRIPTION</b>
MC68HC11MRG/AD	M68HC11 M Series Programming Reference Guide

## **ASIC SEMICUSTOM CIRCUIT LITERATURE - NEW AND REVISED**

<b>ITEM</b>	<b>DESCRIPTION</b>
MC92005UM/D	MC92005 SBus Slave Interface Controller UM
H4CPDMAD/D	H4CPlus Series Design Reference Guide

## **BROCHURES - NEW AND REVISED**

<b>ITEM</b>	<b>DESCRIPTION</b>
BR1112/D	HC05 (CSIC) & (MCU) Literature (REV 6)
BR1133/D	High-Performance Internal Product Portfolio Overview Issue 5 1Q94 (REV 4)
BR1146/D	PowerPC™ Family of Microprocessors
BR1147/D	PowerPC™ Microprocessor Software by Motorola
BR1148/D	Power PC 604™ Microprocessors
BR1153/D	The 68060 Family
BR1159/D	Motorola's Chisholm LBP Board
BR1310/D	Our Low-Cost 68HC05 CSICs Can Take Your Designs to New Heights.
BR1332/D	Logic Integrated Circuits Division New Products Calendar 2Q94
BR1340/D	The Motorola MPA1000 Fine-Grain FPGA Family
BR1411/D	World Wide Bar Code Quick Ref. Guide Release 5.1 (REV 2)
BR1417/D	OACS 3.05M Changing the World of ASIC Design (REV 2)
BR1437/D	Multichip Module Solutions
BR1443/D	State-of-the-Art Communications
BR348/D	Technical Training Catalog (REV 11)
BR380/D	Bar Code Label Specifications (REV 6)
BR923/D	Comm. Power & Signal Tech Group Reliability Audit Report January - April 1994 (REV 15)

## **CROSS REFERENCES AND SELECTOR GUIDES - NEW AND REVISED**

<b>ITEM</b>	<b>DESCRIPTION</b>
CR103/D	Transient Voltage Suppressors General Instruments Cross Reference
CR104/D	General Instrument-to-Motorola Optoelectronics Cross Reference
SG146/D	Digital Signal Processors 2Q94 (REV 12)
SG162/D	Sensor Operations SPD 2Q94 (REV 10)
SG165/D	CSIC MPUs Update 2Q94 (REV 12)
SG166/D	AMCU Advanced Microcontroller Division 2Q94 (REV 7)
SG167/D	High Performance MPU 2Q94 (REV 13)
SG169/D	MOS Digital - Analog Update 2Q94 (REV 9)
SG171/D	MOS Memory Products Division Fast Static RAM Update 2Q94 (REV 7)
SG172/D	MOS Memory Products Division Dynamic RAM Update 3Q94 (REV 6)
SG173/D	Motorola CSIC Microcontrollers 3Q94
SG265/D	TMOS Product Update 2Q94 (REV 3)
SG266/D	Bipolar Power Transistors Product Update 2Q94 (REV 3)
SG267/D	Rectifier Product Update 2Q94 (REV 3)
SG268/D	Thyristor Product Update 2Q94 (REV 2)
SG273/D	Optoelectronics Operations SPD 2Q94 (REV 2)

## **CROSS REFERENCES AND SELECTOR GUIDES - NEW AND REVISED**

<b>ITEM</b>	<b>DESCRIPTION</b>
SG274/D	Zener Operations SPD 2Q94 (REV 2)
SG275/D	Surface Mount Packages Small-Signal Operations SPD 2Q94 (REV 1)
SG276/D	Power Products Division New High Power Products
SG370/D	Discrete Surface Mount Selector Guide (REV 1)
SG373/D	Commercial Plus and Mil/Aero Applications RF Products Selector Guide

## **DATA LIBRARY BOOKS - NEW AND REVISED**

<b>ITEM</b>	<b>DESCRIPTION</b>
DL110/D	RF (REV 5)
DL136AD/D	Errata to DL136/D Rev 3 Communications Device Data (REV 3)
DL150/D	TVS/Zener Device Data (REV 1)
DL411/D	Communications Applications 580 pg. Reprints of 44 applications documents (REV 1)

## **DATA SHEETS - DELETED**

<b>LITERATURE #</b>	<b>REPLACEMENT</b>
1SMC5.0/D	
68HC705V8/D	
MAC15/D	
MACH15/D/MAC15/D	
MACH16/D/MAC15/D	
MRF10031HX/D	
MC68HC811E2/D	

## **APPLICATION NOTES - DELETED**

<b>LITERATURE #</b>	<b>REPLACEMENT</b>
AN1312/D	
AN1313/D	
AR281/D	
AR282/D	

## **BROCHURES - DELETED**

<b>LITERATURE #</b>	<b>REPLACEMENT</b>
BR1135/D	
BR282/D	

## **DATA DISKS - DELETED**

<b>LITERATURE #</b>	<b>REPLACEMENT</b>
DK101/D	



# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
1.5KE6.8, A	THRU	1.5KE200, A	1N5908/D	REV 1
1.5SMC6.8T3, AT3	THRU	1.5SMC91T3, AT3	1.5SMC6.8T3/D	REV 1
10223 MILITARY			10223/D	N/A
120DDSEVK			120DDSEVK/D	N/A
120NCO Product Preview			120NCO/D	N/A
145152-2 Military			145152-2/D	N/A
188100 Military			188100/D	REV 2
196002 Military			196002/D	REV 2
1C4370, A	THRU	1C4372, A	1C746/D	DS7077
1C4728, A	THRU	1C4764, A	1C4728/D	DS7061
1C5283	THRU	1C5314	1C5283/D	DS7059
1C5333	THRU	1C5388	1C5333/D	DS7060
1C6267, A	THRU	1C6303, A	1C6267/D	DS7063
1C746, A	THRU	1C759, A	1C746/D	DS7077
1C821, A			1C821/D	DS7062
1C825, A			1C821/D	DS7062
1M110ZS10	THRU	1M200ZS10	MZP4728/D	DS7079
1M110ZS10	THRU	1M200ZS10	MZP4727/D	N/A
1MC110Z10	THRU	1MC200Z10	1N4728/D	DS7061
1N4001	THRU	1N4007	1N4001/D	DS6015R3
1N4565, A	THRU	1N4584, A	1N4565/D	DS8005R2
1N4678	THRU	1N4717	1N4678/D	ADI528R1
1N4728, A	THRU	1N4764, A	1N4728/D	DS7039R1
1N4765, A	THRU	1N4784, A	1N4565/D	DS8005R2
1N4933	THRU	1N4937	1N4933/D	DS6071R1
1N5139, A	THRU	1N5148, A	1N5139/D	DS8512
1N5158	THRU	1N5160	1N5158/D	DS6510R1
1N5221A, B	THRU	1N5281A, B	1N5221A/D	DS7051R2
1N5273	THRU	1N5281	1N5273/D	ADI527R1
1N5333A, B, C, D	THRU	1N5388A, B, C, D	1N5333A/D	DS7035R1
1N5779	THRU	1N5793	1N5158/D	DS6510R1
1N5817	THRU	1N5819	1N5817/D	DS6088R2
1N5820	THRU	1N5822	1N5820/D	DS6095R1
1N5823	THRU	1N5825	1N5823/D	DS6080
1N5832	THRU	1N5834	1N5832/D	DS6079R1
1N5908			1N5908/D	REV 1
1N5913	THRU	1N5956	1N5913/D	DS7045
1N5985A	THRU	1N6025A	1N5985A/D	DS7046R1
1N6095	THRU	1N6096	1N6095/D	DS6127
1N6097	THRU	1N6098	1N6097/D	DS6128
1N6267, A	THRU	1N6303, A	1N5908/D	REV 1
1N6373	THRU	1N6389	1N5908/D	REV 1
1N823, A			1C821/D	DS7062
1N987A	THRU	1N992A	1N987A/D	ADI526R1
1SMB5.0, A	THRU	1SMB170, A	1SMB5.0/D	REV 1
1SMB5.0AT3	THRU	1SMB170.AT3	1SMB5.0AT3/D	REV 1
1SMB5913, B	THRU	1SMB5956A, B	1SMB5913A/D	DS7081
2N1595	THRU	2N1599	2N1595/D	DS6503R1
2N2646	THRU	2N2647	2N2646/D	DS2500
2N2857			2N2857/D	DS5387R1
2N2913	THRU	2N2920	2N2913/D	DS4522
2N2972	THRU	2N2979	2N2913/D	DS4522
2N3055			2N3055/D	DS3337
2N3055A			2N3055A/D	DS3353R1
2N3553			2N3553/D	DS5132R2
2N3668	THRU	2N3670	2N3668/D	DS6583
2N3738	THRU	2N3739	2N3738/D	DS3070R4
2N3839			2N2857/D	DS5387R1
2N3866			2N3866/D	DS5145R1
2N3870	THRU	2N3873	2N3870/D	DS6549R1
2N3896	THRU	2N3899	2N3870/D	DS6549R1

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
2N3903	THRU	2N3904	2N3903/D	DS5127R2
2N3905	THRU	2N3906	2N3905/D	DS5128R2
2N3959	THRU	2N3960	2N3959/D	DS5129R1
2N4013	THRU	2N4014	2N4013/D	DS5520
2N4091	THRU	2N4093	2N4091/D	DS55283
2N4103			2N3668/D	DS6583
2N4117, A	THRU	2N4119, A	2N4117/D	DS5672
2N4167	THRU	2N4174	2N4167/D	DS6608
2N4183	THRU	2N4190	2N4167/D	DS6608
2N4199	THRU	2N4204	2N4199/D	DS6513
2N4208	THRU	2N4209	2N4208/D	DS5447R1
2N4391	THRU	2N4393	2N4391/D	DS5292
2N4400	THRU	2N4401	2N4400/D	DS5198R1
2N4409	THRU	2N4410	2N4409/D	DS5200R1
2N4416			2N4416/D	DS5237R2
2N4427			2N4427/D	DS5316
2N4441	THRU	2N4444	2N4441/D	DS6533R1
2N4851	THRU	2N4853	2N4851/D	DS2502
2N4856, A	THRU	2N4861, A	2N4856/D	DS5378R1
2N4957	THRU	2N4959	2N4957/D	DS5227R2
2N4993			2N4993/D	DS2519
2N5016			2N5016/D	DS5393
2N5031	THRU	2N5032	2N5031/D	DS5333
2N5050	THRU	2N5052	2N5050/D	DS3141
2N5058	THRU	2N5059	2N5058/D	DS5552
2N5060	THRU	2N5064	2N5060/D	DS6525R1
2N5070			2N5070/D	DS5448R1
2N5071			2N5071/D	DS5606
2N5108			2N5108/D	DS5332
2N5109			2N5109/D	DS5483R1
2N5164	THRU	2N5171	2N5164/D	DS6515R2
2N5179			2N5179/D	DS5317R2
2N5208			2N5208/D	DS5242R1
2N5301	THRU	2N5303	2N5301/D	DS3162
2N5322	THRU	2N5323	2N5322/D	DS5819R1
2N5431			2N5431/D	DS2506
2N5441	THRU	2N5446	2N5441/D	DS6561
2N5567	THRU	2N5570	2N5567/D	DS6580
2N5571	THRU	2N5574	2N5571/D	DS6542R1
2N5583			2N5583/D	DS5343
2N5589			2N5589/D	DS5280R1
2N5590			2N5590/D	DS5337
2N5591			2N5591/D	DS5338
2N5636			2N5636/D	DS5593
2N5638	THRU	2N5640	2N5638/D	DS5319
2N5641			2N5641/D	DS5263R2
2N5642			2N5642/D	DS5591
2N5643			2N5643/D	DS5592
2N5655	THRU	2N5657	2N5655/D	DS3163R3
2N5829			2N4957/D	DS5227R2
2N5835	THRU	2N5837	2N5835/D	DS5402R1
2N5841	THRU	2N5842	2N5841/D	DS5406
2N5849			2N5849/D	DS5411
2N5941			2N5941/D	DS5465R2
2N5943			2N5943/D	DS5414R1
2N5944	THRU	2N5946	2N5944/D	DS5473R1
2N5947			2N5947/D	DS5419R1
2N6027	THRU	2N6028	2N6027/D	DS2520
2N6040	THRU	2N6045	2N6040/D	DS3241
2N6049			2N6049/D	DS3210
2N6050	THRU	2N6052	2N6050/D	DS3224R1

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
2N6053	THRU	2N6056	2N6053/D	DS3231
2N6057	THRU	2N6059	2N6050/D	DS3224R1
2N6068	THRU	2N6075B	2N6068/D	DS8544R1
2N6080			2N6080/D	DS5466R2
2N6081			2N6081/D	DS5565
2N6082			2N6082/D	DS5467R2
2N6083			2N6083/D	DS5610
2N6084			2N6084/D	DS5611
2N6094	THRU	2N6097	2N6094/D	DS5474
2N6107			2N6107/D	DS3295R2
2N6109			2N6107/D	DS3295R2
2N6111			2N6107/D	DS3295R2
2N6114	THRU	2N6115	2N6114/D	DS6541
2N6116	THRU	2N6118	2N6116/D	DS2515R1
2N6145	THRU	2N6147	2N5571/D	DS6542R1
2N6151	THRU	2N6156	2N6151/D	DS6535
2N6157	THRU	2N6165	2N6157/D	DS6550R1
2N6166			2N6166/D	DS5480
2N6167	THRU	2N6170	2N6167/D	DS6548R1
2N6171	THRU	2N6174	2N3870/D	DS6549R1
2N6233			2N6233/D	DS3213
2N6235			2N6233/D	DS3213
2N6236	THRU	2N6241	2N6236/D	DS6538R1
2N6249	THRU	2N6251	2N6249/D	DS3283
2N6255			2N6255/D	DS5482
2N6282	THRU	2N6287	2N6282/D	DS3230
2N6288			2N6107/D	DS3295R2
2N6292			2N6107/D	DS3295R2
2N6298	THRU	2N6301	2N6053/D	DS3231
2N6304	THRU	2N6305	2N6304/D	DS5489
2N6315	THRU	2N6318	2N6315/D	DS3179R2
2N6342	THRU	2N6349	2N6342/D	DS6546R1
2N6342A	THRU	2N6349A	2N6342A/D	DS6547R1
2N6394	THRU	2N6399	2N6394/D	DS6565R1
2N6400	THRU	2N6405	2N6400/D	DS6567R1
2N6428	THRU	2N6429A	2N6428/D	DS5694
2N6430	THRU	2N6431	2N6430/D	DS5692
2N6432	THRU	2N6433	2N6432/D	DS5693
2N6439			2N6439/D	DS5663
2N6504	THRU	2N6509	2N6504/D	DS6590R1
2N6543			2N6543/D	DS3275R4
2N6545			2N6545/D	DS3276R3
2N6546	THRU	2N6547	2N6546/D	DS3277R3
2N6557	THRU	2N6559	2N6557/D	DS5643
2N6603			2N6603/D	DS5680
2N6604			2N6604/D	DS5681
2N6618			2N6618/D	DS5681
2N6659	THRU	2N6661	2N6659/D	DS4620
2N6667	THRU	2N6668	2N6667/D	DS3552R1
2N6676	THRU	2N6678	2N6676/D	DS3526R2
2N6679			2N6679/D	DS5966
2N6755	THRU	2N6756	2N6755/D	DS3613
2N6756	THRU	2N6758	2N6757/D	DS3612
2N6759	THRU	2N6760	2N6759/D	DS3610
2N6761	THRU	2N6762	2N6761/D	DS3611
2N6763	THRU	2N6764	2N6763/D	DS3673
2N6765	THRU	2N6766	2N6765/D	DS3674
2N6767	THRU	2N6768	2N6767/D	DS3665
2N6769	THRU	2N6770	2N6769/D	DS3666
2N6782			2N6782/D	ADI1307
2N6784			2N6784/D	ADI1303

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
2N6788			2N6788/D	ADI1304
2N6790			2N6790/D	ADI1305
2N6796			2N6796/D	ADI1306
2N681	THRU	2N692	2N681/D	DS6577
2N6833	THRU	2N6834	2N6833/D	DS3543R1
2N6835			2N6835/D	DS3571
2N6836			2N6836/D	DS3570
2N6837			2N6837/D	DS3583
2N6985			2N6985/D	DS5951
2N6986			2N6986/D	DS5950
2N6987	THRU	2N6988	2N6987/D	DS9699R3
2N6989	THRU	2N6990	2N6989/D	DS9698R2
2N7000			2N7000/D	ADI1318R1
2N7002			2N7002/D	ADI1333
2N7008			2N7008/D	DS4645
2SA1302			2SC3281/D	DS3961
2SA1306B			2SC3298B/D	DS3962
2SC3281			2SC3281/D	DS3961
2SC3298B			2SC3298B/D	DS3962
32S128 Military			32S128/D	N/A
3EZ3.9D5	THRU	3EZ400D5	3EZ3.9D5/D	DS7075
3N128			3N128/D	DS5506
3N201	THRU	3N203	3N201/D	DS5647
3N209	THRU	3N210	3N209/D	DS5557
3N211	THRU	3N213	3N211/D	DS5675
3N253	THRU	3N259	3N253/D	DS6102R1
462110 Military			462110/D	REV 1
46226 MILITARY			46226/D	N/A
4M x 4			MCM516400/D	REV 1
4N25	THRU	4N28	4N25/D	DS2623R4
4N25A			4N25/D	DS2623R4
4N29	THRU	4N33	4N29/D	DS2627R3
4N29A			4N29/D	DS2627R3
4N32A			4N29/D	DS2627R3
4N35	THRU	4N37	4N35/D	DS2649R1
4N38	THRU	4N38A	4N38/D	DS2646R1
4N39	THRU	4N40	4N39/D	DS2722
56002 Military			56002/D	N/A
56824 MILITARY			56824/D	N/A
6164 MILITARY			6164/D	DS9706R1
6168 MILITARY			6168/D	DS9703R1
6205C Military			6205C/D	N/A
6206C MILITARY			6206C/D	N/A
6226 MILITARY			6226/D	ADI1760
6228 MILITARY			6228/D	N/A
6268 MILITARY			6268/D	DS9708R1
6287 MILITARY			6287/D	DS9709R1
6288 MILITARY			6288/D	DS9707R1
6294 MILITARY			6294/D	REV 1
62S950A			62S950A/D	N/A
6706 MILITARY			6706/D	N/A
68902 MILITARY			68902/D	N/A
68902A (CPTO)			68902A/D	REV 1
68HC05C0			HC05C0GRS/D	REV 0.5
68HC05C4A			HC05C4AGRS/D	REV 1.1
68HC05E1			HC05E1GRS/D	REV 1.6
68HC05PE0			HC05PE0GRS/D	REV 1.2
68HC705C8A			HC705C8AGRS/D	REV 1
68HC705V8			HC705V8GRS/D	REV 2
8S256 Military			8S256/D	N/A
8S512 Military			8S512/D	N/A

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
93415 MILITARY			93415/D	DS9720
93422, A MILITARY			93422/D	DS9722
93425 MILITARY			93425/D	DS9721
AAFOC			AAFOC/D	REV 1
AM26LS30			AM26LS30/D	N/A
AM26LS31			AM26LS31/D	DS9526
AM26LS32			AM26LS32/D	DS9591R1
ATV6060			ATV6060/D	N/A
BAS116LT1			BAS116LT1/D	N/A
BAV170LT1			BAV170LT1/D	N/A
BAV199LT1			BAV199LT1/D	N/A
BAW156LT1			BAW156LT1/D	N/A
BC846 series	THRU	BC848 series	BC846AT/D	DS2760
BC856 series	THRU	BC858 series	BC856AT/D	DS2759
BCP53T1			BCP53T1/D	N/A
BCP56T1 Series			BCP56T1/D	N/A
BCP68T1			BCP68T1/D	N/A
BCP69T1			BCP69T1/D	N/A
BF720T1, T3			BF720T1/D	REV 2
BF721T1, T3			BF721T1/D	REV 3
BFR90			BFR90/D	ADI329
BFR91			BFR91/D	ADI333
BFR96			BFR96/D	DS5714R1
BFR96			BFR96/D	DS5714R1
BFW92A			BFW92A/D	DS5785
BFX89			BFX89/D	DS5805
BFY90			BFX89/D	DS5805
BS170			BS170/D	DS4622
BSP16T1, T3			BSP16T1/D	REV 2
BSP19AT1, 20AT1			BSP19AT1/D	N/A
BSP52T1			BSP52T1/D	N/A
BSP62T1			BSP62T1/D	REV 1
BSS123			BSS123/D	ADI1329R1
BU1008AF, ADF			BU1008AF/D	DS3960
BU204	THRU	BU205	BU204/D	DS3329
BU207	THRU	BU208	BU207/D	DS3287R1
BU208D			BU208D/D	DS3569
BU406, D	THRU	BU407, D	BU406/D	DS3591R1
BU508, A, D, AD			BU508/D	DS3675
BU806	THRU	BU807	BU806/D	DS3620
BUL146, F			BUL146/D	REV 1
BUL147, F			BUL147/D	REV 1
BUL44, F			BUL44/D	REV 1
BUL45, F			BUL45/D	REV 2
BUT11AF			BUT11AF/D	REV 2
BUW11, A	THRU	BUW12, A	BUW11/D	DS3731
BUZ10L			BUZ10L/D	DS3847
BUZ11, A			BUZ11/D	DS3681
BUZ73			BUZ73/D	DS3783
BUZ80A			BUZ80A/D	DS3815
BUZ84, A			BUZ84/D	DS3670R1
BUZ90			BUZ90/D	DS3805
C106 series			C106/D	DS6585
C122 series			C122/D	DS6586
C205 series			C205/D	DS3654
C228 series	THRU	C229 series	C228/D	DS6587
C230 series	THRU	C233 series	C230/D	DS6606
C35 series			C35/D	DS6584
CA3054			CA3054/D	ADI434
CA3059			CA3059/D	DS9450
CA3079			CA3059/D	DS9450

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
CA3139			CA3139/D	DS9452
CA3146			CA3146/D	DS9725
CA3179			MC12071/D	DS9540
CA4800C,S			CA4800C/D	N/A
CA4812C,S			CA4800C/D	N/A
CA4815C,S			CA4800C/D	N/A
CA4900C,S			CA4900/D	N/A
CA4912C,S			CA4900/D	N/A
CA4915C,S			CA4900/D	N/A
CA5800C,S			CA5800C/D	N/A
CA5801, 5801S			CA5801/D	N/A
CA5815C,S			CA5800C/D	N/A
CA5900			CA5900/D	ADI755
CA5915			CA5915/D	ADI756
CA7901			CA7901/D	DS6013
CA901			CA901/D	DS6051
CA902			CA902/D	N/A
CA912			CA902/D	N/A
CA922, 922A			CA922/D	N/A
CAN (Controller Area Network)			CAN/D	ENP0107
CCOMPSTM (PowerPC)			CCOMPSTM/D	REV 1
CPSTG New Product Calendar			CALCPSTG/D	2Q94
Custom 68300			M68300/D	N/A
D44C series	THRU	D45C series	D44C/D	DS3582
D44E3	THRU	D45E3	D44E3/D	DS3592R2
D44H series	THRU	D45H series	D44H/D	DS3580
D44VH series	THRU	D45VH series	D44VH/D	DS3581
DAC-08			DAC-08/D	DS9681R1
DCE402			DCE402/D	N/A
DDK			DDK/D	N/A
Discrete Proceedings			AJ100/D	N/A
Discrete Surf. Mount Reels			TRSM/D	DS3563R6
DS8641			DS8641/D	DS9535
DSP FAMILIES			BR1105/D	N/A
DSP HYPERformance			BR439/D	REV 1
DSP56000			DSP56000/D	REV 2
DSP56000ADS			BR517/D	REV 1
DSP56000CLASx			BR526/D	N/A
DSP56000CLASx			BR526/D	REV 1
DSP56001			DSP56001/D	REV 3
DSP56002			DSP56002/D	N/A
DSP56004			DSP56004/D	REV 1
DSP56100CLASx			BR1128/D	N/A
DSP56100FM			DSP56100FM/D	N/A
DSP56156			DSP56156/D	N/A
DSP56166			DSP56166/D	N/A
DSP56166ROM			DSP56166ROM/D	N/A
DSP56200			DSP56200/D	ADI1257R1
DSP56401			DSP56401/D	N/A
DSP56401 Addendum			DSP56401AD/D	N/A
DSP56ADC16			DSP56ADC16/D	REV 1
DSP56ADC16EVB			BR718/D	N/A
DSP56KCCx			BR541/D	REV G1.0
DSP56L002			DSP56L002/D	N/A
DSP96000CLASx			BR725/D	REV 1
DSP96002			DSP96002/D	REV 1
DSP96KCCx			BR1126/D	REV G1.1
ECHELON			LONBDSUM/D	N/A
ECHELON			LONKITSUM/D	N/A
ECHELON			LONPROD/D	N/A
ECHELON			LONT/P/D	N/A

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
ECHELON			MC143XXEVB/D	N/A
ECHELON (MC143120)			MC143150/D	REV 1
ECHELON (MC143150)			MC143150/D	REV 1
ETL (MCA Series)			ETL/D	REV 1
FDDI Chip Set			M68800/D	N/A
FDDI Chip Set			M68IFDDI/D	N/A
Firmware			Firmware/D	N/A
FORTRANCOMP			FORTRANCOMP/D	N/A
FTRANCOMPSTM/D (Power PC)			FTRANCOMPSTM/D	N/A
GDB			GDB/D	N/A
H112B1, 2, 3			H11A1/D	DS8018
H112B255			H11A1/D	DS8018
H11A1	THRU	H11A5	H11A1/D	DS8018
H11A10			H11A1/D	DS8018
H11A5100			H11A1/D	DS8018
H11A520			H11A1/D	DS8018
H11A550			H11A1/D	DS8018
H11AA1	THRU	H11AA2	H11AA1/D	DS2572
H11AV1, A	THRU	H11AV3, A	H11AV1/D	DS2737
H11B1, 2, 3, 255			H11A1/D	DS8018
H11C1	THRU	H11C3	H11C1/D	DS2560
H11C4	THRU	H11C6	H11C4/D	DS2720
H11D1	THRU	H11D4	H11D1/D	DS2587
H11G1	THRU	H11G3	H11G1/D	DS2584
H11L1	THRU	H11L2	H11L1/D	DS2583
H21A1, A2, A3	THRU	H22A1, A2, A3	H21A1/D	DS2582
H21B1, B2, B3	THRU	H22B1, B2, B3	H21B1/D	DS2711
H4C MILITARY series			H4CMIL/D	REV 1
H4C Series			H4C/D	REV 3
H4CPlus series			H4CP/D	REV 1
HA1199P			HA1199P/D	ADI556R1
HAL			HAL/D	N/A
HARDWARE (1/4 STUD)			DO-203AB/D	DS3310R1
HARDWARE (11/32 STUD)			DO-203AA/D	DS3309R1
HARDWARE (CASE 340-01)			CASE340-01/D	DS3529R1
HARDWARE (CASE 340-01)			T0218AC/D	DS3529
HARDWARE (CASE 77)			TO-225AA/D	DS3302R2
HARDWARE (CASE 90)			TO-225AB/D	DS3306R2
HARDWARE (T0-220AB)			TO-220AB/D	DS3302R3
HARDWARE (T0-3)			TO-3/D	DS3307R1
HARDWARE (TO-66)			TO-213AA/D	DS3308R2
HC05			MC68HC05C12/D	N/A
HC05C4AGRS			HC05C4AGRS/D	REV 1.1
HC05E1GRS			HC05E1GRS/D	REV 1.6
HC05PE0GRS			HC05PE0GRS/D	REV 1.2
HC705V8GRS			68HC705V8/D	REV 2
HCA62A00 series			HCA62A00/D	DS2742R1
HDC MILITARY series			HDCMIL/D	N/A
HDC SERIES			HDC/D	REV 4
ICTE-5, C	THRU	ICTE-45, C	1N5908/D	REV 1
IL1, 12, 15, 16, 74			H11A1/D	DS8018
IRF130	THRU	IRF133	IRF530/D	ADI1072
IRF140	THRU	IRF143	IRF140/D	ADI1078
IRF150	THRU	IRF153	IRF150/D	ADI1076
IRF250	THRU	IRF253	IRF250/D	ADI1077
IRF330	THRU	IRF333	IRF330/D	DS3568R3
IRF340	THRU	IRF343	IRF340/D	DS3655
IRF350	THRU	IRF353	IRF350/D	DS3656
IRF440	THRU	IRF443	IRF440/D	DS3658
IRF450	THRU	IRF453	IRF450/D	DS3657
IRF510	THRU	IRF513	IRF510/D	ADI1069

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
IRF530	THRU	IRF533	IRF530/D	ADI1072
IRF540	THRU	IRF543	IRF140/D	ADI1078
IRF610	THRU	IRF613	IRF610/D	ADI1070
IRF710	THRU	IRF713	IRF710/D	DS3659
IRF720	THRU	IRF723	IRF720/D	DS3668
IRF730	THRU	IRF733	IRF730/D	DS3710
IRF740	THRU	IRF743	IRF740/D	DS3638
IRF820	THRU	IRF823	IRF820/D	DS3667
IRF830	THRU	IRF833	IRF830/D	DS3711
IRF840	THRU	IRF843	IRF840/D	DS3639
IRF9630			IRF9630/D	DS3804
IRF9640			IRF9640/D	DS3803
IRFD120	THRU	IRFD123	IRFD120/D	ADI1323
IRFD210	THRU	IRFD213	IRFD210/D	ADI1325
IRFZ20, 22			IRFZ20/D	DS3759
IRFZ30, 32			IRFZ30/D	DS3752
IRFZ34			IRFZ34/D	DS3876
IRFZ40			IRFZ40/D	DS3760
IRFZ44			1RFZ44/D	DS3875
J107	THRU	J110	J107/D	DS5874
J308	THRU	J310	J308/D	DS5666
LCX family			PAK102/D	REV 0
LEAD-TAPE-PKG			LEAD-TAPE-PKG/D	N/A
LF155	THRU	LF157A	LF155/D	DS9449
LF255	THRU	LF257	LF155/D	DS9449
LF347			LF347/D	DS9603
LF351			LF347/D	DS9603
LF353			LF347/D	DS9603
LF355	THRU	LF357B	LF155/D	DS9449
LF411C			LF411C/D	ADI1409R1
LF441C	THRU	LF442C	LF441C/D	DS9690
LF444C			LF441C/D	DS9690
LM101A			LM101A/D	DS9574
LM108, A			LM108/D	DS9576
LM11, C, CL			LM11/D	DS9572
LM111			LM111/D	DS9329R2
LM112			LM112/D	DS9571
LM117			LM117/D	DS9486R1
LM117L			LM117L/D	DS9544R1
LM123, 123A			LM123/D	DS9581
LM124			LM124/D	DS9339R2
LM137			LM137/D	DS9549R1
LM139, A			LM139/D	DS9579R1
LM140, A series			LM140/D	DS9528R1
LM148			LM148/D	DS9446
LM150			LM150/D	DS9751
LM158			LM158/D	DS9385R1
LM193, A			LM193/D	DS9679
LM201A			LM101A/D	DS9574
LM208, A			LM108/D	DS9576
LM211			LM111/D	DS9329R2
LM212			LM112/D	DS9571
LM217			LM117/D	DS9486R1
LM217L			LM117L/D	DS9544R1
LM223, 223A			LM123/D	DS9581
LM224			LM124/D	DS9339R2
LM237			LM137/D	DS9549R1
LM239, A			LM139/D	DS9579R1
LM248			LM148/D	DS9446
LM250			LM150/D	DS9751
LM258			LM158/D	DS9385R1



# DATA SHEET LISTING

ITEM	THRU PRODUCT	LITERATURE #	REV #
LM285		LM285/D	DS9633R2
LM2900		MC3301/D	DS9202R1
LM2901		LM139/D	DS9579R1
LM2902		LM124/D	DS9339R2
LM293, A		LM193/D	DS9679
LM2931 series		LM2931/D	DS9677R1
LM301A		LM101A/D	DS9574
LM307		LM307/D	DS9251R1
LM308, A		LM108/D	DS9576
LM311		LM111/D	DS9329R2
LM312		LM112/D	DS9571
LM317		LM117/D	DS9486R1
LM317L		LM117L/D	DS9544R1
LM317M		LM317M/D	DS9552R2
LM323, 323A		LM123/D	DS9581
LM324, 324A		LM124/D	DS9339R2
LM337		LM137/D	DS9549R1
LM337M		LM337M/D	DS9582R1
LM339, A		LM139/D	DS9579R1
LM340, A series		LM140/D	DS9528R1
LM348		LM148/D	DS9446
LM350		LM150/D	DS9751
LM358		LM158/D	DS9385R1
LM385		LM285/D	DS9633R2
LM3900		MC3301/D	DS9202R2
LM393, A		LM193/D	DS9679
LM833		LM833/D	DS9693
LT4217A		LT4217A/D	N/A
LT4239A		LT4217A/D	N/A
LVT family		PAK104/D	REV 0
M1MA141KT1, 142KT1		M1MA141KT1/D	REV 1
M1MA141WAT1, 142WAT1		M1MA141WAT1/D	REV 1
M1MA141WKT1, 142WKT1		M1MA141WKT1/D	REV 1
M1MA151AT1, AT3		M1MA151AT1/D	REV 1
M1MA151KT1, KT3		M1MA151KT1/D	REV 1
M1MA151WAT1, WAT3		M1MA151WAT1/D	REV 1
M1MA151WKT1, WKT3		M1MA151WKT1/D	REV 1
M68000EC		MC6800EC/D	N/A
M68000IDP		M68KIDP/D	N/A
M68040FPSP		M68040FPSP/D	N/A
M68340EVS		BR753/D	N/A
M68606ESP		M68606ESP/D	NP448
M68800		MC68836/D	N/A
M68CDS8M0501		M68CDS8M0501/D	N/A
M68FADS		M68FADS/D	REV 1
M68HC05K Series		M68HC05TB/D	N/A
M68HC05P8EVS		BR735/D	N/A
M68HC11 K Series		MC68HC11KTS/D	N/A
M68HC11 KA Series		MC68HC11KA4TS/D	REV 1
M68HC11 M Series		MC68HC11M2TS/D	N/A
M68HC11EVBU		BR736/D	N/A
M68HC16PN01		M68HC16PN01/D	N/A
M68HC711D3EVB		BR737/D	N/A
M68HC711D3PGMR		BR748/D	N/A
M68KESW		M68KESW/D	N/A
MAC137, G series		MAC137/D	N/A
MAC15 series		MAC15/D	REV 1
MAC15A10FP		MAC15A4FP/D	AD11373
MAC15A4FP		MAC15A4FP/D	AD11373
MAC15A6FP		MAC15A4FP/D	AD11373
MAC15A8FP		MAC15A4FP/D	AD11373

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MAC16 series			MAC16/D	REV 1
MAC20-4	THRU	MAC20-10	MAC20/D	DS3351
MAC20A-4	THRU	MAC20A-10	MAC20/D	DS3351
MAC210-4	THRU	MAC210-10	MAC210/D	DS3598
MAC210-A4	THRU	MCA210-A10	MAC210/D	DS3598
MAC210A10FP			MAC210A4FP/D	ADI1369
MAC210A4FP			MAC210A4FP/D	ADI1369
MAC210A6FP			MAC210A4FP/D	ADI1369
MAC210A8FP			MAC210A4FP/D	ADI1369
MAC212-4, 6, 8, 10			MAC212/D	DS3660
MAC212A-4, 6, 8, 10			MAC212/D	DS3660
MAC212A10FP			MAC212A4FP/D	ADI1371
MAC212A4FP			MAC212A4FP/D	ADI1371
MAC212A6FP			MAC212A4FP/D	ADI1371
MAC212A8FP			MAC212A4FP/D	ADI1371
MAC213-4, 6, 8, 10			MAC213/D	DS3871
MAC216-4, 6, 7, 8			MAC216/D	DS3525
MAC216A-4, 6, 7, 8			MAC216/D	DS3525
MAC218-4	THRU	MAC218-10	MAC218/D	DS3559
MAC218A-4	THRU	MAC218A-10	MAC218/D	DS3559
MAC218A10FP			MAC218A4FP/D	ADI1368
MAC218A4FP			MAC218A4FP/D	ADI1368
MAC218A6FP			MAC218A4FP/D	ADI1368
MAC218A8FP			MAC218A4FP/D	ADI1368
MAC219-4, 6, 8, 10			MAC219/D	DS3837
MAC220 series			2N6342/D	DS6546R1
MAC221 series			2N6342/D	DS6546R1
MAC222-1	THRU	MAC222-10	MAC222/D	DS6609
MAC222A-1	THRU	MAC222A-10	MAC222/D	DS6609
MAC223A10FP			MAC223A4FP/D	ADI1370
MAC223A4FP			MAC223A4FP/D	ADI1370
MAC223A6FP			MAC223A4FP/D	ADI1370
MAC223A8FP			MAC223A4FP/D	ADI1370
MAC224-4	THRU	MAC224-10	MAC224/D	DS3577
MAC224A-4	THRU	MAC224A-10	MAC224/D	DS3577
MAC228-2	THRU	MAC228-10	MAC228-2/D	DS6618
MAC228A2	THRU	MAC228A10	MAC228-2/D	DS6618
MAC24 series			MAC24/D	N/A
MAC25 series			MAC25/D	N/A
MAC25-4	THRU	MAC25-10	MAC20/D	DS3351
MAC25A-4	THRU	MAC25A-10	MAC20/D	DS3351
MAC3010 series			MAC3010/D	DS3407
MAC3020 series			MAC3010/D	DS3407
MAC3030 series			MAC3010/D	DS3407
MAC3040 series			MAC3010/D	DS3407
MAC3060 series			MAC3060/D	DS3712
MAC310, A series			MAC310/D	DS3694
MAC320, A series			MAC320/D	DS3661
MAC320A10FP			MAC320A4FP/D	ADI1372
MAC320A4FP			MAC320A4FP/D	ADI1372
MAC320A6FP			MAC320A4FP/D	ADI1372
MAC320A8FP			MAC320A4FP/D	ADI1372
MAC321-4, 6, 8, 10			MAC321/D	DS3870
MAC40688	THRU	MAC40690	2N5441/D	DS6561
MAC40795	THRU	MAC40796	2N5567/D	DS6580
MAC40797	THRU	MAC40798	2N5571/D	DS6542R1
MAC40799	THRU	MAC40801	2N5567/D	DS6580
MAC50-4	THRU	MAC50-10	MAC20/D	DS3351
MAC50A-4	THRU	MAC50A-10	MAC20/D	DS3351
MAC625-4, 6, 8			MAC625/D	DS3774
MAC635-4, 6, 8			MAC625/D	DS3774

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MAC8 series			MAC8/D	N/A
MAC80-6, 8			MAC80-6/D	DS3558R1
MAC81-6, 8			MAC80-6/D	DS3558R1
MAC9 series			MAC9/D	N/A
MAC97, A, B series			MAC97/D	REV 1
MAD1103, 1107, 1108			MAD130/D	DS4636R1
MAD1109			MAD1109/D	DS4643
MAD130			MAD130/D	DS4636R1
MBAL99			MBAL99/D	DS4638
MBAS16			MBAL99/D	DS4638
MBAV70, 74, 99			MBAL99/D	DS4638
MBAW56			MBAL99/D	DS4638
MBD102			MBD102/D	DS2517
MBD201			MBD201/D	DS2533
MBD301			MBD201/D	DS2533
MBD501			MBD501/D	DS2514
MBD502			MBD502/D	DS2518
MBD701			MBD501/D	DS2514
MBD702			MBD502/D	DS2518
MBI101			MBI101/D	DS2522
MBR020, H, H1			MBR020/D	DS6111
MBR030, 040			MBR030/D	DS6169
MBR10100			MBR1060/D	DS6150R1
MBR1020, 1035, 1045			MBR1020/D	DS6124R1
MBR1060, 1070			MBR1060/D	DS6150R1
MBR1080, 1090			MBR1060/D	DS6150R1
MBR1100			MBR170/D	DS6174
MBR12035CT, 12045CT			MBR12035CT/D	DS6152
MBR12050CT, 12060CT			MBR12035CT/D	DS6152
MBR150, 160			MBR150/D	DS6155
MBR1535CT			MBR1535CT/D	DS6138
MBR1545CT			MBR1535CT/D	DS6138
MBR16035CT, 45CT, 50CT			MBR16035CT/D	DS6189
MBR1635, 1645			MBR1635/D	DS6139
MBR170, 180, 190			MBR170/D	DS6174
MBR20015CTL, 20020CTL			MBR20015CTL/D	DS6154
MBR20025CTL, 20030CTL			MBR20015CTL/D	DS6154
MBR20035CT, 20045CT			MBR20035CT/D	DS6153
MBR20050CT, 20060CT			MBR20035CT/D	DS6153
MBR20060CT			MBR20035CT/D	DS6153
MBR20100CT			MBR2060CT/D	DS6171
MBR20150CT, 20200CT			MBR20200CT/D	DS6195
MBR2015CTL			MBR2015CTL/D	DS6181R1
MBR2030CTL			MBR2015CTL/D	DS6181R1
MBR2035CT			MBR2035CT/D	DS6140R1
MBR2045CT			MBR2035CT/D	DS6140R1
MBR2060CT, 2070CT			MBR2060CT/D	DS6171
MBR2080CT, 2090CT			MBR2060CT/D	DS6171
MBR2515L			MBR2515L/D	N/A
MBR2520, 2530			MBR2520/D	DS6085
MBR2530CTL			MBR2535CTL/D	DS6197
MBR2535CT			MBR2535CT/D	DS6141
MBR2535CTL			MBR2535CTL/D	DS6197
MBR2540			MBR2520/D	DS6085
MBR2545CT			MBR2535CT/D	DS6141
MBR30035CT			MBR30035CT/D	DS6158
MBR30045CT			MBR30035CT/D	DS6158
MBR30050CT, 30060CT			MBR30035CT/D	DS6158
MBR30100			MBR30100/D	N/A
MBR3035PT			MBR3035PT/D	DS6147R1
MBR3035WT			MBR3035WT/D	DS6187

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MBR3045PT			MBR3035PT/D	DS6147R1
MBR3045ST			MBR3045ST/D	N/A
MBR3045WR			MBR3035WT/D	DS6187
MBR3100			MBR370/D	DS6175
MBR320			MBR320/D	DS6151
MBR320P			1N5820/D	DS6095R1
MBR330			MBR320/D	DS6151
MBR330P			1N5820/D	DS6095R1
MBR340			MBR320/D	DS6151
MBR340P			1N5820/D	DS6095R1
MBR350			MBR320/D	DS6151
MBR3520, 3535			MBR3520/D	DS6104R1
MBR3545, H, H1			MBR3520/D	DS6104R1
MBR360			MBR320/D	DS6151
MBR370, 380, 390			MBR370/D	DS6175
MBR4015LWT			MBR4015LWT/D	N/A
MBR60035CTL			MBR60035CTL/D	N/A
MBR6015L			MBR6015L/D	DS6159
MBR6020, B			MBR6020/D	DS6106R1
MBR6020L, 6025L, 6030L			MBR6015L/D	DS6159
MBR6035, B			MBR6020/D	DS6106R1
MBR6035PF			MBR6035PF/D	DS6132
MBR6045, B, H, H1			MBR6020/D	DS6106R1
MBR6045PF			MBR6035PF/D	DS6132
MBR6535, 6545			MBR6535/D	DS6144
MBR735, 745			MBR735/D	DS6137
MBR8035, 8045			MBR8035/D	DS6143
MBRB1545CT			MBRB1545CT/D	N/A
MBRB20100CT			MBRB20100CT/D	N/A
MBRB2060CT			MBRB2060CT/D	N/A
MBRB2515L			MBRB2515L/D	N/A
MBRB2535CTL			MBRB2535CTL/D	N/A
MBRB2545CT			MBRB2545CT/D	REV 1
MBRD320, 330, 340			MBRD320/D	DS6161
MBRD350, 360			MBRD320/D	DS6161
MBRD620CT, 630CT, 640CT			MBRD620CT/D	DS6160
MBRD650CT, 660CT			MBRD620CT/D	DS6160
MBRD835L			MBRD835L/D	N/A
MBRF1045			MBRF1045/D	N/A
MBRF1545CT			MBRF1545CT/D	N/A
MBRF20100CT			MBRF20100CT/D	N/A
MBRF20200CT			MBRF20200CT/D	N/A
MBRF2045CT			MBRF2045CT/D	N/A
MBRF2060CT			MBRF2060CT/D	N/A
MBRF2535CT, 2545CT			MBRF2535CT/D	DS6196
MBRF2545CT			MBRF2545CT/D	N/A
MBRF745			MBRF745/D	N/A
MBRL030, 040			MBRL030/D	ADI1094
MBRL120, 130, 140			MBRL120/D	DS6156
MBRS120T3, 130T3, 140T3			MBRS120T3/D	DS6183
MBRS130LT3			MBRS130LT3/D	N/A
MBRS320T3	THRU	MBRS340T3	MBRS320T3/D	DS6185
MBS4991, 4992			MBS4991/D	DS2510R2
MC100E111, 211			BR1333/D	REV 3
MC100E137			MC10E137/D	REV 0
MC100E195			MC10E195/D	DS9759
MC100E196			MC10E196/D	ADI1768
MC100E445			MC10E445/D	REV 0
MC100EL01, 4, 5, 7			BR1330/D	REV 1
MC100EL11			BR1333/D	REV 3
MC100EL11, 12, 15, 16			BR1330/D	REV 1

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC100EL15			BR1333/D	REV 3
MC100EL31	THRU	MC100EL35	BR1330/D	REV 1
MC100EL51, 52, 57, 58			BR1330/D	REV 1
MC100ELT20	THRU	MC100ELT26, 28	BR1330/D	REV 1
MC100H640	THRU	MC100H644, 646	BR1333/D	REV 3
MC100LVE111			BR1333/D	REV 3
MC10318P			MC10318P/D	DS9580R1
MC10319			MC10319/D	DS9680
MC10320, -1			MC10320/D	DS9702
MC10321			MC10321/D	DS9711
MC10322			MC10322/D	ADI1751
MC10324			MC10324/D	ADI1752
MC10801			MC10801/D	DS9497R1
MC10802			MC10802/D	ADI1507
MC10803			MC10803/D	DS9498R1
MC10804	THRU	MC10805	MC10804/D	DS9652
MC10806			MC10806/D	DS9654
MC10808			MC10808/D	DS9651
MC10900			MC10900/D	DS9655
MC10901			MC10901/D	DS9657
MC10902			MC10902/D	DS9658
MC10904			MC10904/D	DS9659
MC10905			MC10905/D	DS9660
MC10951			MC10951/D	ADI1350
MC10E111, 211			BR1333/D	REV 3
MC10E137			MC10E137/D	REV 0
MC10E1651			MC10E1651/D	N/A
MC10E1652			MC10E1652/D	REV 0
MC10E195			MC10E195/D	DS9759
MC10E196			MC10E196/D	ADI1768
MC10E445			MC10E445/D	REV 0
MC10EL01, 04, 05, 07			BR1330/D	REV 1
MC10EL11			BR1333/D	REV 3
MC10EL11, 12, 15, 16			BR1330/D	REV 1
MC10EL15			BR1333/D	REV 3
MC10EL31	THRU	MC10EL35	BR1330/D	REV 1
MC10EL51, 52			BR1330/D	REV 1
MC10EL57, 58			BR1330/D	REV 1
MC10EL89			BR1330/D	REV 1
MC10ELT20	THRU	MC10ELT26, 28	BR1330/D	REV 1
MC10H640	THRU	MC10H646	BR1333/D	REV 3
MC10SX1130			MC10SX1130/D	N/A
MC12015	THRU	MC12018	BR1334/D	REV 1
MC12019			MC12019/D	EDS 0082
MC12022A, B			BR1334/D	REV 1
MC12022LVA, B			BR1334/D	REV 1
MC12022SLA, B			BR1334/D	REV 1
MC12022TSA, B			BR1334/D	REV 1
MC12022TVA, B			BR1334/D	REV 1
MC12023			BR1334/D	REV 1
MC12025			BR1334/D	REV 1
MC12026A, B			BR1334/D	REV 1
MC12028A, B			BR1334/D	REV 1
MC12031A, B			BR1334/D	REV 1
MC12032A, B			BR1334/D	REV 1
MC12033A, B			BR1334/D	REV 1
MC12034A, B			BR1334/D	REV 1
MC12036A, B			BR1334/D	REV 1
MC12040			BR1334/D	REV 1
MC12052A, B			BR1334/D	REV 1
MC12053A, B			BR1334/D	REV 1

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC12054A, B			BR1334/D	REV 1
MC12058			BR1334/D	REV 1
MC12073, 74, 76			BR1334/D	REV 1
MC12078	THRU	MC12080, 83	BR1334/D	REV 1
MC12090, 93			BR1334/D	REV 1
MC12100, 01			BR1334/D	REV 1
MC12148			BR1330/D	REV 1
MC12148, 49			BR1334/D	REV 1
MC12202			BR1334/D	REV 1
MC12206, 07			BR1334/D	REV 1
MC12429			BR1333/D	REV 3
MC12502			MC12002/D	DS9236
MC12560	THRU	MC12561	MC12060/D	DS9236
MC12663			MC663/D	DS9091
MC13001XP	THRU	MC13002XP	MC13001XP/D	ADI1081
MC13010P			MC13010P/D	DS9666
MC13011			MC13011/D	NP210
MC13014P			MC13014P/D	ADI1149
MC1302			MC1302/D	DS9421
MC13020P			MC13020P/D	ADI725R2
MC13022			MC13022/D	NP205
MC13023			MC13023/D	NP219
MC13024			MC13024/D	ADI1717
MC13041			MC13041/D	NP212
MC13055			MC13055/D	REV 1
MC13060			MC13060/D	DS9684
MC1306P			MC1306P/D	DS9137R2
MC13077			MC13077/D	REV 1
MC1309			MC1309/D	ADI460
MC1310P			MC1310P/D	DS9258
MC13135	THRU	MC13136	MC13135/D	N/A
MC13155			MC13155/D	N/A
MC13156			MC13156/D	REV 1
MC13175, 6			MC13175/D	N/A
MC1323P, PW			MC1323P/D	DS9361
MC1324P			MC1324P/D	DB110
MC1330AP			MC1330AP/D	DS9400R1
MC1349P			MC1349P/D	DS9227R2
MC1350P			MC1350P/D	DS9127R2
MC1351			MC1351/D	DS9126R1
MC1352			MC1352/D	DS9128R2
MC1357			MC1357/D	DS9164R1
MC1358			MC1358/D	DS9178
MC1364			MC1364/D	DS9233
MC1372			MC1372/D	DS9522
MC1373			MC1373/D	DS9752
MC1374			MC1374/D	DS9563
MC1377			MC1377/D	N/A
MC1378			MC1378/D	NP178
MC1381			MC1381/D	NP242
MC1382			MC1382/D	ADI1716
MC1383			MC1383/D	NP243
MC1384			MC1384/D	NP244R1
MC1388			MC1388/D	N/A
MC1391P			MC1391P/D	DS9239R2
MC1393			MC1393/D	DS9397
MC1394P			MC1391P/D	DS9239R2
MC1398P			MC1398P/D	DS9180R1
MC1399			MC1399/D	DS9429
MC1403, A			MC1403/D	DS9468
MC1404, A			MC1404/D	DS9541R1

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC1405			MC1405/D	DS9291R2
MC1406L			MC1506L/D	DS9231R1
MC1407L			MC1507L/D	DS9269
MC1408			MC1408/D	DS9238R2
MC1411, B	THRU	MC1412, B	MC1411/D	DS9383R2
MC1413, B			MC1411/D	DS9383R2
MC1414			MC1414/D	DS9111R2
MC141510 (Hong Kong)			MC68HC05L9D/H	N/A
MC1416, B			MC1411/D	DS9383R2
MC141620 (Same as in DL130/D Rev 1)			MC141620/D	N/A
MC141621			MC141621/D	N/A
MC141625			MC141625/D	N/A
MC142100			MC142100/D	DS9804R1
MC142103			MC145439/D	ADI1295
MC1422			MC1422/D	DS9410
MC143120			LONPAK/D	REV 3
MC143120			MC143150/D	REV 3
MC143150			LONPAK/D	REV 3
MC143150			MC143150/D	REV 3
MC143403	THRU	MC143404	MC143403/D	ADI1027
MC1437			MC1537/D	DS9113R1
MC1438R			MC1538R/D	DS9129
MC1439			MC1539/D	DS9094R5
MC144000EVK			MC144000EVK/D	REV 0
MC14408	THRU	MC14409	MC14408/D	DS9426R1
MC14410			MC14410/D	DS9867
MC14411			MC14411/D	DS9386R2
MC14412			MC14412/D	DS9411R1
MC144143			MC144143/D	N/A
MC14417			MC14417/D	DS9891
MC14419			MC14419/D	DS9892
MC1444			MC1544/D	DS9312
MC1445			MC1545/D	DS9125R2
MC14467-1 (Same as in DL130/D Rev 1)			MC14467-1/D	N/A
MC14468 (Same as in DL130/D Rev 1)			MC14468/D	N/A
MC14470 (Same as in DL130/D Rev 1)			MC14470/D	N/A
MC145010			MC145010/D	ADI1288R1
MC145026	THRU	MC145029	MC145026/D	ADI-855R1
MC145040	THRU	MC145041	MC145040/D	ADI992R1
MC145053			MC145053/D	ADI1572
MC145100			MC142100/D	DS9804R1
MC145190	THRU	MC145191	MC145190/D	REV 2
MC145190EVK			MC145190EVK/D	REV 0
MC145191EVK			MC145190EVK/D	REV 0
MC145192			MC145192/D	N/A
MC145200, 1			MC145200/D	REV 1
MC145402			MC145402/D	ADI1293
MC145403	THRU	MC145405	MC145403/D	N/A
MC145406			MC145406/D	DS9917
MC145407			MC145407/D	NP475
MC145408			MC145403/D	N/A
MC145411			MC145411/D	ADI1029
MC145412	THRU	MC145413	MC145412/D	ADI1526
MC145414			MC145414/D	DS9557
MC145415			MC145415/D	ADI983
MC145418	THRU	MC145419	MC145418/D	ADI1234
MC145421			MC145421/D	ADI1251
MC145425			MC145421/D	ADI1251
MC145428			MC145428/D	ADI1019R1
MC145429			MC145429/D	ADI965
MC145432			MC145432/D	ADI966

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC145433			MC145433/D	ADI1030
MC145436			MC145436/D	REV 1
MC145439			MC145439/D	ADI1295
MC145442	THRU	MC145443	MC145442/D	ADI1269
MC145445			MC145445/D	DS9888
MC145447			MC145447/D	REV 1
MC145450			MC145450/D	ADI967R1
MC145453			MC145453/D	ADI1243R1
MC145460EVK			MC145460EVK/D	N/A
MC145472			MC145472/D	N/A
MC145474	THRU	MC145475	MC145474/D	REV 1
MC145480			MC145480/D	REV 1
MC145488			MC145488/D	N/A
MC145494EVK			MC145494EVK/D	ADI1595
MC1455			MC1455/D	DS9240R3
MC145500	THRU	MC145503, 145505	MC145500/D	ADI1287
MC145512			MC145412/D	ADI1526
MC145532			MC145532/D	NP470
MC145536EVK			MC145536EVK/D	N/A
MC145537EVK			MC145537EVK/D	N/A
MC145540			MC145540/D	N/A
MC145554, 145557			MC145554/D	ADI1517
MC145564, 145567			MC145554/D	ADI1517
MC145705	THRU	MC145707	MC145705/D	N/A
MC14573,74,75 (Same as in DL130/D Rev1)			MC14573/D	N/A
MC14576B,77B (Same as in DL130/D Rev 1)			MC14576B/D	N/A
MC14578			MC14578/D	ADI1291
MC1458, C, N			MC1558/D	DS9174R1
MC1458S			MC1558S/D	DS9367
MC1463			MC1463/D	DS9154R5
MC1468			MC1468/D	DS9213R3
MC146805E2			MC146805E2/D	ADI850R3
MC146818			MC146818/D	ADI856R3
MC146818A			MC146818A/D	ADI1026R1
MC146823			MC146823/D	ADI985R1
MC1469			MC1469/D	DS9152R3
MC1472			MC1472/D	NP49
MC1488			MC1488/D	DS9162R3
MC1490			MC1490P/D	DS9694
MC1494L			MC1494L/D	DS9163R3
MC1496			MC1496/D	DS9132R3
MC14C88B			MC14C88B/D	N/A
MC14C89AB			MC14C89B/D	N/A
MC14C89B			MC14C89B/D	N/A
MC14LC5472			MC145472/D	N/A
MC1503, A			MC1403/D	DS9468
MC1504			MC1404/D	DS9541R1
MC1505			MC1405/D	DS9291R2
MC1506L			MC1506L/D	DS9231R1
MC1507L			MC1507L/D	DS9269
MC1508			MC1408/D	DS9238R2
MC1514			MC1414/D	DS9111R2
MC1537			MC1537/D	DS9113R1
MC1538R			MC1538R/D	DS9129
MC1539			MC1539/D	DS9094R5
MC1544			MC1544/D	DS9312
MC1545			MC1545/D	DS9125R2
MC1550			MC1550/D	DS9059R2
MC1552G	THRU	MC1553G	MC1552G/D	DS9065R1
MC1555			MC1455/D	DS9240R3
MC1558, N			MC1558/D	DS9174R1



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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC1558S			MC1558S/D	DS9367
MC1563			MC1463/D	DS9154R5
MC1568			MC1468/D	DS9213R3
MC1569			MC1469/D	DS9152R3
MC1590G			MC1590G/D	DS9142R5
MC1594L			MC1494L/D	DS9163R3
MC1596			MC1496/D	DS9132R3
MC1648, 1658			BR1334/D	REV 1
MC16LX543			MC16LX543/D	REV 2
MC16LX646			MC16LX646/D	REV 1
MC16LX952			MC16LX952/D	REV 1
MC1709, A, C			MC1709A/D	DS9068R3
MC1710, C			MC1710/D	DS9072R3
MC1711, C			MC1711/D	DS9083R1
MC1723, C			MC1723/D	DS9161R3
MC1733, C			MC1733/D	DS9177R1
MC1741, C, N, NC			MC1741/D	DS9123R3
MC1741S, SC			MC1741S/D	DS9260
MC1800	THRU	MC1801	MC1900/D	DS9054R1
MC1802	THRU	MC1803	MC1902/D	DS9054R1
MC1804	THRU	MC1805	MC1904/D	DS9054R1
MC1806	THRU	MC1807	MC1906/D	DS9054R1
MC1808	THRU	MC1809	MC1908/D	DS9054R1
MC1810	THRU	MC1811	MC1910/D	DS9054R1
MC1812			MC1912/D	DS9054R1
MC1813			MC1813/D	DS9054R1
MC1814			MC1914/D	DS9054R1
MC1815	THRU	MC1816	MC1915/D	DS9054R1
MC1818			MC1918/D	DS9054R1
MC1820			MC1820/D	DS9054R1
MC18LX843			MC18LX843/D	REV 3
MC1900	THRU	MC1901	MC1900/D	DS9054R1
MC1902	THRU	MC1903	MC1902/D	DS9054R1
MC1904	THRU	MC1905	MC1904/D	DS9054R1
MC1906	THRU	MC1907	MC1906/D	DS9054R1
MC1908	THRU	MC1909	MC1908/D	DS9054R1
MC1910	THRU	MC1911	MC1910/D	DS9054R1
MC1912			MC1912/D	DS9054R1
MC1914			MC1914/D	DS9054R1
MC1915	THRU	MC1916	MC1915/D	DS905R41
MC1918			MC1918/D	DS9054R1
MC20LX240			MC20LX240/D	REV 2
MC20LX244			MC20LX244/D	REV 2
MC20LX245			MC20LX245/D	REV 2
MC20LX373			MC20LX373/D	REV 0
MC20LX374			MC20LX374/D	REV 2
MC22V10, S			MC22V10SANT/D	REV 1
MC22V10, S			MC22V10S/D	REV 1
MC2681	THRU	MC2682	MC68681/D	ADI1988R1
MC26C31			MC26C31/D	REV 3
MC26C32			MC26C32/D	REV 3
MC26S10			MC26S10/D	DS9532R1
MC2801P			MC2801P/D	ADI580R1
MC2831A			MC2831A/D	DS9676R1
MC2833			MC2833/D	ADI1719
MC3026F, L			MC3126F/D	DS9097R2
MC3028F, L			MC3128F/D	DS9097R2
MC3029F, L			MC3129F/D	DS9097R2
MC3126F, L			MC3126F/D	DS9097R2
MC3128F, L			MC3128F/D	DS9097R2
MC3129F, L			MC3129F/D	DS9097R2

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC3232A			MC3232A/D	DS9537
MC3242A			MC3242A/D	DS9538R1
MC3301			MC3301/D	N/A
MC3302			MC3302/D	DS9245R2
MC33023			MC34023/D	N/A
MC33025			MC34025/D	N/A
MC33030			MC33030/D	AD1154R1
MC33033			MC33033/D	AD11733
MC33034			MC33034/D	DS9727
MC33035			MC33035/D	AD11718
MC33039			MC33039/D	DS9736
MC3303L, P			MC3403P/D	DS9293R3
MC33060A			MC34060A/D	REV 1
MC33063			MC34063/D	DS9669R1
MC33063A			MC34063A/D	AD11431
MC33064			MC34064/D	AD11483R1
MC33065			MC34065/D	DS9733
MC33065-H, L			MC34065-H/D	N/A
MC33066			MC34066/D	AD11734
MC33067			MC34067/D	N/A
MC33071	THRU	MC33072, 33074	MC34071/D	DS9718
MC33076			MC33076/D	N/A
MC33077			MC33077/D	AD11428
MC33078	THRU	MC33079	MC33078/D	AD11404
MC33091			MC33091/D	N/A
MC33092			MC33092/D	N/A
MC33102			MC33102/D	N/A
MC3310P			MC3310P/D	DS9135R5
MC33110			MC33110/D	DS9762
MC33111			MC33111/D	N/A
MC33120			MC33120/D	DS9971
MC33121			MC33121/D	N/A
MC33128			MC33128/D	N/A
MC33129			MC34129/D	DS9719R1
MC33151			MC34151/D	AD11720
MC33152			MC34152/D	N/A
MC33160			MC34160/D	NP215
MC33161			MC34161/D	AD11783
MC33163			MC34163/D	AD11735R1
MC33164			MC34164/D	AD11727
MC33165			MC34165/D	N/A
MC33166			MC34166/D	REV 1
MC33167			MC34167/D	N/A
MC33171	THRU	MC33172, 33174	MC33171/D	DS9710
MC33178	THRU	MC33179	MC33178/D	DS9734
MC33181	THRU	MC33182, 33184	MC34181/D	DS9716
MC33201, 33202, 33204			MC33201/D	N/A
MC3320P	THRU	MC3321P	MC3320P/D	DS9195R1
MC33218			MC33218/D	REV 2
MC3324, A			MC3424/D	AD1594R1
MC3325			MC3325/D	AD1424
MC33261			MC34261/D	N/A
MC33262			MC34262/D	N/A
MC33267			MC33267/D	N/A
MC33267			MC33267/D	N/A
MC33269			MC33269/D	N/A
MC33272, 33274			MC33272/D	DS9735
MC33282			MC33282/D	N/A
MC33284			MC33282/D	N/A
MC33293			MC33293/D	N/A
MC33298			MC33298/D	N/A

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC3333			MC3333/D	DS9422
MC3334P			MC3334P/D	DS9670
MC3341			MC3341/D	ADI625
MC3344			MC3344/D	DS9665
MC3346P			MC3346P/D	DS9376
MC3350			MC3350/D	ADI738
MC3356			MC3356/D	DS9731
MC3358			MC3358/D	DS9379
MC3359			MC3359/D	DS9569R3
MC3361B			MC3361B/D	ADI1739
MC3362			MC3362/D	ADI1393R2
MC3363			MC3363/D	DS9724
MC3367			MC3367/D	DS9728
MC3371, 72			MC3371/D	ADI1769
MC3373			MC3373/D	DS9729
MC3386P			MC3346P/D	DS9376
MC3392			MC3392/D	N/A
MC3393P			MC3393P/D	ADI559
MC3396P			MC3396P/D	ADI582
MC3397T			MC3397T/D	ADI1466
MC3399T			MC3399T/D	ADI1311
MC34001	THRU	MC34002, 34004	MC34001/D	DS9545R1
MC3401			MC3301/D	DS9202R2
MC34010			MC34010/D	ADI1386
MC34011A			MC34011A/D	ADI745R2
MC34012-1, -2, -3			MC34012-1/D	ADI735
MC34013A			MC34013A/D	DS9653
MC34014			MC34014/D	DS9668R1
MC34017			MC34017/D	ADI795
MC34018			MC34018/D	DS9664R1
MC34023			MC34023/D	N/A
MC34025			MC34025/D	N/A
MC3403L, P			MC3403P/D	DS9293R3
MC3405			MC3405/D	DS9420R1
MC34050, 51			MC34050/D	ADI1341R1
MC34060			MC34060/D	DS9562R1
MC34060A			MC34060A/D	REV 1
MC34063			MC34063/D	DS9669R1
MC34063A			MC34063A/D	ADI1431
MC34064			MC34064/D	ADI1483R1
MC34065			MC34065/D	DS9733
MC34065-H, L			MC34065-H/D	N/A
MC34066			MC34066/D	ADI1734
MC34067			MC34067/D	N/A
MC34071	THRU	MC34072, 35074	MC34071/D	DS9718
MC3408			MC3408/D	DS9377
MC34080	THRU	MC34085	MC34080/D	DS9717
MC3410, C			MC3410/D	DS9389R1
MC34114			MC34114/D	DS9723
MC34115			MC34115/D	DS9667
MC34118			MC34118/D	DS9696
MC34119			MC34119/D	DS9713
MC34129			MC34129/D	DS9719R1
MC34142			MC34142/D	N/A
MC34151			MC34151/D	ADI1720
MC34152			MC34152/D	N/A
MC34160			MC34160/D	NP215
MC34161			MC34161/D	ADI1783
MC34163			MC34163/D	ADI1735R1
MC34164			MC34164/D	ADI1727
MC34165			MC34165/D	N/A

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC34166			MC34166/D	REV 1
MC34167			MC34167/D	N/A
MC3417	THRU	MC3418	MC3417/D	DS9488R2
MC34181	THRU	MC34182, 34184	MC34181/D	DS9716
MC3419-1L			MC3419-1L/D	DS9605R1
MC3423			MC3423/D	DS9434R1
MC3424, A			MC3424/D	ADI594R1
MC3424, A Addendum			MC3424AD/D	ADI594R1
MC3425			MC3425/D	DS9671R1
MC34261			MC34261/D	N/A
MC34262			MC34262/D	N/A
MC34268			MC34268/D	N/A
MC3430	THRU	MC3433	MC3430/D	DS9292R1
MC3437			MC3437/D	DS9294
MC3446A			MC3446A/D	DS9345R2
MC3447			MC3447/D	DS9543
MC3448A			MC3448A/D	DS9462R1
MC3450, 3452			MC3450/D	DS9278
MC3453			MC3453/D	DS9279
MC3456			MC3456/D	DS9320R2
MC3458			MC3558/D	DS9379
MC3459			MC3459/D	DS9323
MC3467			MC3467/D	DS9390R2
MC3469P			MC3469P/D	DS9577
MC3470AP, P			MC3470P/D	DS9588
MC3471P			MC3471P/D	ADI771
MC3476			MC3476/D	DS9303R1
MC3479			MC3479/D	DS9732
MC3481			MC3481/D	DS9750
MC3484S2-1, S4-1			MC3484S2-1/D	DS9697
MC3485			MC3481/D	DS9750
MC3486			MC3486/D	DS9399R1
MC3487			MC3487/D	DS9458R2
MC3488A			MC3488A/D	DS9590R1
MC34C86			MC34C86/D	REV 3
MC34C87			MC34C87/D	REV 3
MC35001	THRU	MC35002, 35004	MC34001/D	DS9545R1
MC3503L			MC3403P/D	DS9293R3
MC3505			MC3405/D	DS9420R1
MC35060			MC34060/D	DS9562R1
MC35060A			MC34060A/D	REV 1
MC35063			MC34063/D	DS9669R1
MC35063A			MC34063A/D	ADI1431
MC35071	THRU	MC35072, 34074	MC34071/D	DS9718
MC35080	THRU	MC35085	MC34080/D	DS9717
MC3510			MC3410/D	DS9389R1
MC3517	THRU	MC3518	MC3417/D	DS9488R2
MC35171	THRU	MC35172, 35174	MC33171/D	DS9710
MC35181	THRU	MC35182, 35184	MC34181/D	DS9716
MC3523			MC3423/D	DS9434R1
MC3524, A			MC3424/D	ADI594R1
MC3556			MC3456/D	DS9320R1
MC3558			MC3558/D	DS9379
MC4007			MC4307/D	DS9108
MC4010			MC4310/D	DS9108
MC4016	THRU	MC4019	MC4316/D	DS9554R1
MC4035F, L			MC4335F/D	DS9108
MC4037F, L			MC4337F/D	DS9108
MC4038			MC4038/D	DS9108
MC4310			MC4310/D	DS9108
MC4316	THRU	MC4319	MC4316/D	DS9554R1

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC44011			MC44011/D	N/A
MC44144			MC44144/D	REV 2
MC44250			MC44250/D	N/A
MC44301			MC44301/D	REV 1
MC44602			MC44602/D	N/A
MC44615A			MC44615A/D	N/A
MC44802			MC44802/D	DS9730
MC45050	THRU	MC34051	MC34050/D	ADI1341R1
MC4558, AC, C			MC4558/D	DS9442R1
MC4741, C			MC4741/D	DS9398
MC514402A			MC514402/D	N/A
MC54/74HC02A			MC54/74HC02A/D	ADI1453
MC54/74HC138A			MC54/74HC138A/D	ADI1455
MC54/74HC4051, 52, 53			MC54HC4051/D	REV 6
MC54/74HCT00A			MC54HCT00A/D	N/A
MC54/74HCT161A, 163A			MC54/74HCT161A/D	N/A
MC54F162A			MC54F160A/D	DS9675
MC54F163A			MC54F161A/D	DS9674
MC54F381			MC54F381/D	ADI766R10
MC54F382			MC54F382/D	ADI1335
MC54F51			MC54F51/D	ADI1422
MC54HC533A			MC54HC533A/D	REV 1
MC54HCT533A			MC54HCT533A/D	ADI1748
MC54HCT534A			MC54HCT534A/D	ADI1750
MC55107	THRU	MC55108	MC55107/D	DS9192R1
MC55325			MC55325/D	DS9326
MC6108			MC6108/D	ADI1328
MC660			MC660/D	DS9091
MC661			MC661/D	DS9091
MC662			MC662/D	DS9091
MC663			MC663/D	DS9091
MC664			MC664/D	DS9091
MC667			MC667/D	DS9091
MC668			MC668/D	DS9091
MC669			MC669/D	DS9091
MC670			MC670/D	DS9091
MC671			MC671/D	DS9091
MC672			MC672/D	DS9091
MC674			MC674/D	DS9091
MC675			MC675/D	DS9091
MC6800			MC6800/D	DS9471R2
MC68000			MC68000/D	REV 3
MC68008			BR259/D	N/A
MC6801			MC6801/D	DS9841R1
MC6801U4			MC6801U4/D	ADI896R1
MC6802, NS			MC6802/D	DS9818R3
MC68020			MC68020/D	REV 4
MC6803			MC6801/D	DS9841R1
MC68030			MC68030/D	REV 3
MC68030 ELEC. CHAR.			MC68030EC/D	REV 1
MC6803U4			MC6801U4/D	ADI896R1
MC68040			MC68040/D	REV 3
MC68040V			MC68040V/D	N/A
MC6804J1, J2, P2			MC6804J1/D	ADI1248
MC6805P series			MC68/7/05P/D	ADI1031
MC6805R2, R3			MC68/7/05R-U/D	ADI977
MC6805R6			BR773/D	N/A
MC6805S2 Addendum			MC6805SAD/D	N/A
MC6805S2, S3			MC6805S2/D	ADI997R1
MC6805U2, U3			MC68/7/05R-U/D	ADI977
MC68060			M68060/D	REV 1

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ITEM	THRU PRODUCT	LITERATURE #	REV #
MC6808		MC6802/D	DS9818R3
MC6809		MC6809/D	DS9845R2
MC6809E		MC6809E/D	DS9846R2
MC68150		MC68150/D	REV 2
MC68150 (Special)		MC68150S/D	REV 0.3
MC68153		MC68153/D	DS9705
MC68184		MC68184/D	ADI1423
MC68185		MC68185/D	ADI1545
MC68195		MC68195/D	N/A
MC6821		MC6821/D	DS9435R5
MC68230		MC68230/D	ADI860R2
MC68302		BR469/D	N/A
MC68302		MC68302/D	REV 2
MC68306		MC68306/D	N/A
MC68306		MC68306UMAD/AD	REV 1
MC68307, V		MC68307/D	N/A
MC68322		MC68322/D	N/A
MC68330, V		MC68330/D	REV 1
MC68331		MC68300EC01/D	N/A
MC68331 Tech. Sum.		MC68331TS/D	REV 2
MC68332		MC68300EC01/D	N/A
MC68332		MC68332TS/D	REV 2
MC68333		MC68F333TS/D	N/A
MC68334		MC68334/D	N/A
MC68334		MC68300EC01/D	N/A
MC68334		MC68334TS/D	N/A
MC68335		MC68335TS/D	N/A
MC68340, V		MC68340/D	REV 3
MC68341, V		MC68341/D	N/A
MC68349, V		MC68349/D	N/A
MC68360		MC68360/D	N/A
MC6840		MC6840/D	DS9802R3
MC6844		MC6844/D	DS9520R3
MC68440		MC68440AD/D	REV 2
MC68440		MC68440/D	ADI1002
MC68442		MC68440AD/D	ADI1002A1
MC6845		MC6845/D	DS9838R1
MC6845 Addendum		MCC6845/D	DS9838R1-A1
MC68450		MC68450/D	ADI1216
MC68450 Addendum		MC68450AD/D	N/A
MC68451		MC68451/D	ADI872R1
MC68452		MC68452/D	DS9704
MC6847, Y		MC6847/D	DS9823R1
MC68488		MC68488/D	DS9844
MC6850		MC6850/D	DS9493R4
MC6852		MC6852/D	DS9494R4
MC6854		MC6854/D	DS9495R2
MC6859		MC6859/D	ADI827R2
MC6859 Addendum		MC6859AD/D	N/A
MC68606		BR520/D	N/A
MC68681		MC68681/D	ADI988R1
MC68701		MC68701/D	ADI839R2
MC68701U4		MC68701U4/D	ADI986
MC68704P2		MC6804J1/D	ADI1248
MC68705P		MC68/7/05P/D	ADI1031
MC68705P5		MC68705P5/D	ADI964R1
MC68705R series		MC68/7/05R-U/D	ADI977
MC68705S3		MC6805S2/D	ADI997R1
MC68705S3 Addendum		MC6805S2AD/D	N/A
MC68705U series		MC68/7/05R-U/D	ADI977
MC6880A		MC6880A/D	DS9417

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC68824 Tech. Sum.			MC68824/D	REV 4
MC68824UM			MC58824UM/AD	REV 1
MC68836 (FDDI Chip Set)	THRU	MC68839	M68800/D	N/A
MC68836 (FDDI Chip Set)			M68IFDDI/D	N/A
MC68840			MC68840UMAD/AD	N/A
MC68840 (FDDI Chip Set)			M68IFDDI/D	N/A
MC68851			MC68851/D	REV 2
MC68881			MC68881/D	REV 4
MC68882 ELEC. CHAR.			MC68882EC/D	N/A
MC6889			MC8T28/D	DS9419R1
MC68901			MC68901/D	AD1984R1
MC6898			MC68HC99/D	NP435
MC68A488, B488			MC68488/D	DS9844
MC68EC000			MC68EC000/D	N/A
MC68EC000 Addendum			MC68EC000AD/D	N/A
MC68EC020			MC68EC020/D	N/A
MC68EC020 Addendum			MC68EC020AD/D	N/A
MC68EC030			MC68EC030/D	REV 1
MC68EC040			MC68EC040/D	REV 1
MC68EC060			M68060/D	REV 1
MC68EC0x0 FAMILY			BR1109/D	N/A
MC68F333 Tech. Sum.			MC68F333TS/D	N/A
MC68HC000			MC68HC000/D	REV 4
MC68HC001			MC68HC001/D	N/A
MC68HC05 (CDS8 System)			CDS05/D	N/A
MC68HC05 (CSIC) & (MCU) Lit. List			BR1112/D	N/A
MC68HC05 FAMILY			CDS05/D	N/A
MC68HC05B16			MC68HC05B6/D	REV 3
MC68HC05B32			MC68HC05B6/D	REV 3
MC68HC05B4			MC68HC05B6/D	REV 3
MC68HC05B6			MC68HC05B6/D	REV 3
MC68HC05B6AD Errata EAD10054R2			MC68HC05B6AD/D	N/A
MC68HC05B8			MC68HC05B6/D	REV 3
MC68HC05C12			MC68HC05C12/D	N/A
MC68HC05C4			MC68HC05C4/D	AD1991R2
MC68HC05C4 Addendum			MC68HC05C4AD/D	REV 4
MC68HC05C5			BR767/D	N/A
MC68HC05C5 Addendum			BR767AD/D	N/A
MC68HC05C8			MC68HC05C4/D	AD1991R2
MC68HC05C9			BR760/D	N/A
MC68HC05D24			MC68HC05C9/D	N/A
MC68HC05D24			MC68HC05D24/D	N/A
MC68HC05D32			MC68HC05D9/D	N/A
MC68HC05D9			MC68HC05D9/D	N/A
MC68HC05E0			MC68HC05D9/D	N/A
MC68HC05E1			MC68HC05E0/D	N/A
MC68HC05E6			BR772/D	N/A
MC68HC05F5			MC68HC05E6/D	N/A
MC68HC05F5 Addendum			MC68HC05F5/D	N/A
MC68HC05H2			MC68HC05F5AD/D	N/A
MC68HC05i8			MC68HC05H2TS/D	N/A
MC68HC05J1			MC68HC05i8/D	REV 1
MC68HC05J1			BR768/D	N/A
MC68HC05J1A			MC68HC05J1/D	REV 1
MC68HC05J3			MC68HC05J1A/D	N/A
MC68HC05K0	THRU	MC68HC05K1	MC68HC05J3/D	N/A
MC68HC05K0/K1 Addendum			MC68HC05K1/D	N/A
MC68HC05L1 (Hong Kong)			MC68HC05K1AD/D	N/A
MC68HC05L10 (Hong Kong)			MC68HC05L1PR/H	REV 2.0
MC68HC05L11 (Hong Kong)			DLH05L10/PR	REV 1.0
			MC68HC05L11PR/H	REV 2.0

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC68HC05L2			MC68HC05L2/D	N/A
MC68HC05L4			MC68HC05L4/D	N/A
MC68HC05L5 Addendum			HC05L5TSAD/D	N/A
MC68HC05L5 Tech. Sum.			MC68HC05L5TS/D	N/A
MC68HC05L6			MC68HC05L6/D	ADI1254
MC68HC05L6 Addendum			MC68HC05L6AD/D	N/A
MC68HC05L7 (Hong Kong)			MC68HC05L9D/H	N/A
MC68HC05L9 (Hong Kong)			MC68HC05L9D/H	N/A
MC68HC05L9 Addendum			MC68HC05L9AD/H	N/A
MC68HC05M4			MC68HC05M4TS/D	REV 1
MC68HC05P1			BR757/D	N/A
MC68HC05P1			MC68HC05P1/D	REV 1
MC68HC05P1			MC68HC05M4TS/D	REV 1
MC68HC05P1 Addendum			MC68HC05P1AD/D	REV 1
MC68HC05P10			MC68HC05P10/D	N/A
MC68HC05P10			MC68HC05P10/D	N/A
MC68HC05P2			MC68HC05P2TS/D	N/A
MC68HC05P3			MC68HC05P3/D	N/A
MC68HC05P4			BR744/D	N/A
MC68HC05P4			MC68HC05P4/D	N/A
MC68HC05P4 Addendum			MC68HC05P4AD/D	REV 1
MC68HC05P6			MC68HC05P6/D	N/A
MC68HC05P7			BR743/D	N/A
MC68HC05P7			MC68HC05P7/D	N/A
MC68HC05P8			BR750/D	N/A
MC68HC05P8			MC68HC05P8/D	N/A
MC68HC05P9			BR766/D	N/A
MC68HC05P9			MC68HC05P9/D	N/A
MC68HC05SC11, 21,24 Comp. Dev. Sys.			M68CDS8M0501/D	N/A
MC68HC05T1			BR770/D	N/A
MC68HC05T2			BR771/D	N/A
MC68HC05X4			MC68HC05X4/D	N/A
MC68HC11 K Series			MC68HC11KTS/D	N/A
MC68HC11 N Series			MC68HC11N/D	N/A
MC68HC11A0 Tech. Sum.	THRU	MC68HC11A1 Tech. Sum.	MC68HC11A8TS/D	N/A
MC68HC11A8			MC68HC11A8/D	REV 5
MC68HC11A8 Tech. Sum.			MC68HC11A8TS/D	N/A
MC68HC11C0			MC68HC11C0PP/D	N/A
MC68HC11C0			MC68HC11C0TS/D	N/A
MC68HC11D0			BR777/D	N/A
MC68HC11D3			BR777/D	N/A
MC68HC11D3			MC68HC11D3/D	N/A
MC68HC11E			MC68HC11E/D	N/A
MC68HC11E0 Tech. Sum.	THRU	MC68HC11E1 Tech. Sum.	MC68HC11E9TS/D	N/A
MC68HC11E20			MC68HC11E20/D	N/A
MC68HC11E20			MC68HC11E20TS/D	N/A
MC68HC11E9			MC68HC11E9/D	REV 1
MC68HC11EA9			MC68HC11EA9/D	N/A
MC68HC11ED0			MC68HC11ED0PP/D	N/A
MC68HC11ED0			MC68HC11ED0TS/D	N/A
MC68HC11F1			MC68HC11F1TS/D	N/A
MC68HC11F1			MC68HC11F1/D	REV 3
MC68HC11G5, G7			MC68HC11G5/D	N/A
MC68HC11K4			BR776/D	N/A
MC68HC11K4			MC68HC11K4/D	N/A
MC68HC11KA4			MC68HC11KA4TS/D	REV 1
MC68HC11L6			BR774/D	N/A
MC68HC11L6			MC68HC11L6/D	N/A
MC68HC11M2			MC68HC11M2TS/D	N/A
MC68HC11N Series			MC68HC11N/D	N/A
MC68HC11N4			MC68HC11N4TS/D	N/A



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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC68HC11P2			MC68HC11P2/D	N/A
MC68HC16X1			MC68HC16X1TS/D	N/A
MC68HC16Y1			MC68HC16Y1TS/D	REV 1
MC68HC16Z1			MC68HC16Z1TS/D	REV 3
MC68HC16Z2			MC68HC16Z2TS/D	N/A
MC68HC24			MC68HC24/D	ADI1046R2
MC68HC33			MC68HC33TS/D	N/A
MC68HC34			MC68HC34TS/D	N/A
MC68HC68L9 (Hong Kong)			MC68HC05L9D/H	N/A
MC68HC68T1			MC68HC68T1/D	N/A
MC68HC705B16			MC68HC705B16/D	N/A
MC68HC705B16			MC68HC05B6/D	REV 3
MC68HC705B32			MC68HC05B6/D	REV 3
MC68HC705B5			MC68HC05B6/D	REV 3
MC68HC705C4			MC68HC705C4/D	NP446
MC68HC705C5 Addendum			HC705C5TSAD/D	N/A
MC68HC705C5 Tech. Sum.			MC68HC705C5TS/D	N/A
MC68HC705C8			MC68HC705C8/D	REV 1
MC68HC705C8 Addendum			MC68HC705C8AD/D	REV 2
MC68HC705C9			BR467/D	N/A
MC68HC705D32			MC68HC05D9/D	N/A
MC68HC705D9			MC68HC05D9/D	N/A
MC68HC705E1 Addendum			HC705E1TSAD/D	N/A
MC68HC705E1 Tech. Sum.			MC68HC705E1TS/D	N/A
MC68HC705E6			MC68HC05E6/D	N/A
MC68HC705H2			MC68HC705H2/D	N/A
MC68HC705J2			MC68HC705J2/D	N/A
MC68HC705J3			MC68HC05J3/D	N/A
MC68HC705K1			MC68HC705K1/D	REV 1
MC68HC705L1 (Hong Kong)			MC68HC05L1PR/H	REV 2.0
MC68HC705L2			MC68HC705L2/D	N/A
MC68HC705L2			MC68HC05L2/D	N/A
MC68HC705L4			MC68HC05L4/D	N/A
MC68HC705L5			MC68HC705L5/D	N/A
MC68HC705P6			MC68HC705P6/D	REV 1
MC68HC705P9			BR765/D	N/A
MC68HC705P9			MC68HC705P9/D	REV 1
MC68HC705X16			MC68HC705X16/D	N/A
MC68HC705X4			MC68HC705X4/D	N/A
MC68HC705X4			MC68HC05X4/D	N/A
MC68HC711D3			BR778/D	N/A
MC68HC711D3			MC68HC711D3/D	REV 1
MC68HC711E20			MC68HC11E20/D	N/A
MC68HC711E9			BR775/D	N/A
MC68HC711E9 Tech. Sum.			MC68HC11E/D	N/A
MC68HC711EA9			MC68HC11EA9/D	N/A
MC68HC711G5			MC68HC11G5/D	N/A
MC68HC711K4			MC68HC11KTS/D	N/A
MC68HC711L6			MC68HC711L6/D	N/A
MC68HC711L6 Tech. Sum.			MC68HC711L6TS/D	N/A
MC68HC711M2			MC68HC11M2/D	N/A
MC68HC711N4			MC68HC11N4/D	N/A
MC68HC711N4			MC68HC711N4TS/D	N/A
MC68HC711P2			MC68HC11P2/D	N/A
MC68HC805B6			MC68HC05B6/D	EAD10054R2
MC68HC805C4			MC68HC05C4/D	ADI991R2
MC68HC916X1			MC68HC916X1/D	N/A
MC68HC916Y1			MC68HC916Y1/D	N/A
MC68HC99			MC68HC99/D	NP435
MC68HCL05C12			MC68HC05C12/D	N/A
MC68HSC05C12			MC68HC05C12/D	N/A

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC68HSC05C4			MC68HC05C4/D	ADI991R2
MC68KTBF A			MC68KTBF A/D	REV 1
MC68L11A8			MC68L11A8/D	N/A
MC68L11D3			MC68L11D3/D	N/A
MC68L11E9			MC68L11E9/D	N/A
MC68L11L6			MC68L11L6/D	N/A
MC68LC040			MC68LC040/D	N/A
MC68LC040V			MC68LC040V/D	N/A
MC68LC060			M68060/D	REV 1
MC74F162A			MC54F160A/D	DS9675
MC74F163A			MC54F161A/D	DS9674
MC74F1803			BR1333/D	REV 3
MC74F258A			MC74F258A/D	ADI1439
MC74F2970			MC74F2970/D	ADI1408
MC74F381			MC54F381/D	ADI766R10
MC74F382			MC54F382/D	ADI1335
MC74F51			MC54F51/D	ADI1422
MC74F803			BR1333/D	REV 3
MC74F823			MC74F823/D	N/A
MC74HC533A			MC54HC533A/D	REV 1
MC74HCT533A			MC54HCT533A/D	ADI1748
MC74HCT534A			MC54HCT534A/D	ADI1750
MC74HCT640A			MC54HCT640A/D	DS9745
MC75107	THRU	MC75108	MC55107/D	DS9192R1
MC75125, 75127			MC75125/D	DS9524
MC75128, 75129			MC75128/D	DS9536
MC75172B			MC75172B/D	REV 1
MC75174B			MC75172B/D	REV 1
MC75325			MC55325/D	DS9326
MC75491	THRU	MC75492	MC75491/D	DS9264
MC75S110			MC75S110/D	DS9547R1
MC7800 series			MC7800/D	DS9557R2
MC78L00C, AC series			MC78L00C/D	DS9374R2
MC78M00 series			MC78M00/D	DS9313R3
MC78T00 series			MC78T00/D	DS9587R1
MC7900 series			MC7900/D	DS9280R4
MC79L00C, AC series			MC79L00C/D	DS9375R2
MC79M00 series			MC79M00/D	DS9634R1
MC830, 861			MC930/D	DS9054R1
MC832			MC932/D	DS9054R1
MC833			MC933/D	DS9054R1
MC834			MC934/D	DS9054R1
MC835			MC935/D	DS9054R1
MC836	THRU	MC837	MC936/D	DS9054R1
MC838			MC938/D	DS9054R1
MC839			MC939/D	DS9054R1
MC840			MC940/D	DS9054R1
MC844			MC944/D	DS9054R1
MC845			MC945/D	DS9054R1
MC846			MC946/D	DS9054R1
MC847			MC947/D	DS9054R1
MC848			MC945/D	DS9054R1
MC849			MC946/D	DS9054R1
MC850			MC950/D	DS9054R1
MC8500	THRU	MC8501	MC8500/D	DS9255R1
MC8502			MC8502/D	DS9256R1
MC8503			MC8503/D	DS9285R1
MC8504P			MC8504P/D	DS9309
MC8506			MC8506/D	DS9354R2
MC851F, G, P			MC951/D	DS9054R1
MC852	THRU	MC853	MC952/D	DS9054R1

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MC8520L			MC8520L/D	DS9290R1
MC855	THRU	MC856	MC952/D	DS9054R1
MC857			MC957/D	DS9054R1
MC858			MC958/D	DS9045R1
MC862	THRU	MC863	MC962/D	DS9054R1
MC88100			MC88100/D	REV 2
MC88110			MC88110EC/D	N/A
MC88110			MC88110/D	REV 2
MC88110 Addendum to MC88110EC/D			MC88110ECAD/D	N/A
MC88110 Prog. Ref. Guide			MC88110PRG/D	N/A
MC88200			MC88200/D	REV 2
MC88204			MC88204/D	N/A
MC88410			MC88410/D	N/A
MC88410			MC88410EC/D	N/A
MC88913	THRU	MC88916	BR1333/D	REV 3
MC88915TFN100			BR1333/D	REV 3
MC88915TFN133			BR1333/D	REV 3
MC88915TFN55			BR1333/D	REV 3
MC88915TFN70			BR1333/D	REV 3
MC88920, 21			BR1333/D	REV 3
MC88LV926			BR1333/D	REV 3
MC88LV930			BR1333/D	REV 3
MC88LV950			BR1333/D	REV 3
MC88LV970			BR1333/D	REV 3
MC88PL117			BR1333/D	REV 3
MC8T13			MC8T13/D	DS9298
MC8T14			MC8T14/D	DS9311
MC8T23			MC8T13/D	DS9298
MC8T24			MC8T14/D	DS9311
MC8T26A			MC6880A/D	DS9417
MC8T28			MC8T28/D	DS9419R1
MC92001 (Order MC92005/D with this)			MC92001/D	N/A
MC92005 (Order MC92001/D with this)			MC92005/D	N/A
MC936	THRU	MC937	MC936/D	DS9054R1
MC938			MC938/D	DS9054R1
MC940			MC940/D	DS9054R1
MC944			MC944/D	DS9054R1
MC945			MC945/D	DS9054R1
MC946			MC946/D	DS9054R1
MC948			MC945/D	DS9054R1
MC949			MC946/D	DS9054R1
MC951F, G			MC951/D	DS9054R1
MC961			MC930/D	DS9054R1
MCA10000ECL			MCA10000ECL/D	REV 2
MCA1500M			MCA1500M/D	ADI1417
MCA2200ECL			MCA2200ECL/D	REV 1
MCA230	THRU	MCA231	H11A1/D	DS8018
MCA2500ECL			MCA2500ECL/D	ADI726R2
MCA255			H11A1/D	DS8018
MCA2800ALS			MCA2800ALS/D	ADI1095
MCA2800RAM			MCA2800RAM/D	NP179
MCA3200ETL			ETL/D	REV 1
MCA3200ETL			ETL/D	REV 1
MCA6200ETL			ETL/D	REV 1
MCA6200ETL			ETL/D	REV 1
MCA750ETL			ETL/D	REV 1
MCA750ETL			ETL/D	REV 1
MCA800ECL			MCA800ECL/D	ADI1348
MCC3334			MC3334P/D	DS9670
MCCF33095			MCCF33095/D	N/A
MCCF33096			MCCF33096/D	N/A

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MCCF3326			MCCF3326/D	ADI423
MCCF3333			MCCF3333/D	DS1541
MCCF3334			MCC3334P/D	DS9670
MCCS142233			MCCS142233/D	N/A
MCCS142234			MCCS142234/D	REV 0
MCCS142235			MCCS142235/D	REV 0.1
MCCS3201			MCS3201/D	REV 3
MCCS3205			MCS3201/D	REV 3
MCD210			MCD210/D	N/A
MCD250			MCD250/D	N/A
MCH12140			BR1330/D	REV 1
MCH12140			BR1334/D	REV 1
MCK12140			BR1330/D	REV 1
MCK12140			BR1334/D	REV 1
MCK7AD, ADA			MCK7AD/D	DS9589
MCK8AD, ADA, DA			MCK7AD/D	DS9589
MCM2018A			MCM2018A/D	DS9915R1
MCM2464			MCM2464/D	NP512
MCM2814			MCM2814/D	N/A
MCM32100D			MCM32100D/D	N/A
MCM32103D			MCM32103D/D	N/A
MCM32130			MCM32130/D	REV 1
MCM32230			MCM32230/D	REV 1
MCM32256			MCM32256/D	REV 2
MCM32257			MCM32257/D	REV 2
MCM32400			MCM32400/D	N/A
MCM32400D			MCM32400D/D	N/A
MCM32512			MCM32512/D	REV 2
MCM3264			MCM3264/D	NP507
MCM3264A			MCM3264A/D	N/A
MCM32800			MCM32800/D	N/A
MCM32A32, 64			MCM32A32/D	N/A
MCM32AB32, 64, 128			MCM32AB32/D	N/A
MCM32L130			MCM32130/D	REV 1
MCM32L230			MCM32230/D	REV 1
MCM32L256			MCM32256/D	REV 2
MCM32L512			MCM32512/D	REV 2
MCM34262			MCM34262/D	N/A
MCM36100			MCM36100/D	REV 1
MCM36232			MCM36232/D	N/A
MCM36256			MCM36256/D	REV 2
MCM36L100			MCM36100/D	REV 1
MCM411000			MCM411000/D	REV 1
MCM414256			MCM414256/D	REV 1
MCM41L1000			MCM411000/D	REV 1
MCM41L4256			MCM414256/D	REV 1
MCM44100			MCM44100/D	N/A
MCM44256 series			MCM44256/D	REV 1
MCM4464 series			MCM4464/D	REV 1
MCM4L4100			MCM44100/D	N/A
MCM5003	THRU	MCM5004	MCM5303/D	DS9302
MCM511000A			MCM511000A/D	REV 3
MCM511000B			MCM511000B/D	REV 1
MCM511001A			MCM511001A/D	DS9933
MCM511002A			MCM511002A/D	DS9934
MCM514256A			MCM514256A/D	REV 2
MCM514256B			MCM514256B/D	REV 2
MCM514258A			MCM514258A/D	DS9936
MCM516100			MCM516400/D	REV 1
MCM516160A			MCM516160A/D	N/A
MCM516180A			MCM516160A/D	N/A

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MCM516400			MCM516400/D	REV 1
MCM516402			MCM516400/D	N/A
MCM517400			MCM516400/D	REV 1
MCM518160A			MCM516160A/D	N/A
MCM51L1000A			MCM511000A/D	REV 3
MCM51L1000B			MCM511000B/D	REV 1
MCM51L4256A			MCM514256A/D	REV 2
MCM51L4256B			MCM514256B/D	REV 2
MCM524258A			MCM524258A/D	N/A
MCM528128A			MCM528128A/D	N/A
MCM5303	THRU	MCM5304	MCM5303/D	DS9302
MCM54100A			MCM54100A/D	REV 2
MCM54170B			MCM54170B/D	REV 1
MCM54260B			MCM54260B/D	REV 1
MCM54280B			MCM54280B/D	REV 1
MCM54400A			MCM54400A/D	REV 3
MCM54400A-C			MCM54400A-C/D	REV 1
MCM54800A			MCM54800A/D	REV 1
MCM56824A			MCM56824A/D	N/A
MCM56824AFNC			MCM56824AFNC/D	N/A
MCM56824AZP			MCM56824AZP/D	N/A
MCM5L4100A			MCM54100A/D	REV 2
MCM5L4170B			MCM54170B/D	REV 1
MCM5L4260B			MCM54260B/D	REV 1
MCM5L4280B			MCM54280B/D	REV 1
MCM5L4400A			MCM54400A/D	REV 3
MCM5L4800A			MCM54800A/D	REV 1
MCM5V4170B			MCM54170B/D	REV 1
MCM5V4260B			MCM54260B/D	REV 1
MCM5V4280B			MCM54280B/D	REV 1
MCM5V4800A			MCM54800A/D	REV 1
MCM60L256A-V			MCM60L256A-V/D	ADI1557
MCM6205D			MCM6205D/D	REV 1
MCM6206D			MCM6206D/D	REV 1
MCM6209-35, -45			MCM6208-35/D	DS9941
MCM62110			MCM62110/D	REV 3
MCM6226A			MCM6226A/D	REV 2
MCM6226B			MCM6226B/D	N/A
MCM6227A			MCM6227A/D	REV 3
MCM6229			MCM6229/D	N/A
MCM6229A			MCM6229A/D	REV 2
MCM6229B			MCM6229B/D	N/A
MCM6246			MCM6246/D	REV 1
MCM62486A			MCM62486A/D	REV 2
MCM62486B			MCM62486B/D	N/A
MCM6249			MCM6249/D	REV 1
MCM6264-15, -20	THRU	MCM6265-15, -20, -25	QUICKRAM/D	ADI1554R1
MCM6268-20			MCM6268-20/D	REV 1
MCM6269-20			MCM6268-20/D	REV 1
MCM6293			MCM6293/D	DS9921R1
MCM6294			MCM6294/D	DS9922R1
MCM62940A			MCM62940A/D	REV 5
MCM6295			MCM6295/D	DS9923R1
MCM62950A			MCM62950A/D	REV 2
MCM62960A			MCM62960A/D	REV 1
MCM62995A			MCM62995A/D	REV 1
MCM62996			MCM62996/D	REV 1
MCM62L26A			MCM6226A/D	REV 2
MCM62L27A			MCM6227A/D	REV 1
MCM62L29A			MCM6229A/D	REV 1
MCM62V06D			MCM62V06D/D	REV 1

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MCM62X308			MCM62X308/D	N/A
MCM62Y308			MCM62Y308/D	N/A
MCM6705A			MCM6705A/D	REV 3
MCM6706			MCM6706/D	REV 2
MCM6706A			MCM6706A/D	REV 4
MCM6706R			MCM6706R/D	N/A
MCM67082A			MCM67082A/D	REV 1
MCM6708A			MCM6708A/D	REV 3
MCM6709A			MCM6709A/D	REV 1
MCM6709R			MCM6709R/D	N/A
MCM6726			MCM6726/D	REV 4
MCM6726A			MCM6726A/D	N/A
MCM6727A			MCM6727A/D	N/A
MCM6728			MCM6728/D	REV 3
MCM67282			MCM6728/D	REV 1
MCM6728A			MCM6728A/D	N/A
MCM6729			MCM6729/D	REV 3
MCM6729A			MCM6729A/D	N/A
MCM67A518			MCM67A518/D	N/A
MCM67A618			MCM67A618/D	REV 1
MCM67B518			MCM67B518/D	N/A
MCM67B618			MCM67B618/D	REV 4
MCM67C518			MCM67C518/D	REV 1
MCM67C618			MCM67C618/D	REV 3
MCM67D709			MCM67D709/D	REV 1
MCM67F804			MCM67F804/D	REV 2
MCM67H518			MCM67H518/D	REV 1
MCM67H618			MCM67H618/D	N/A
MCM67J518			MCM67J518/D	REV 1
MCM67J618			MCM67J618/D	REV 1
MCM67M518			MCM67M518/D	N/A
MCM67M618			MCM67M618/D	REV 3
MCM67P804			MCM67P804/D	REV 2
MCM67Q709			MCM67Q709/D	N/A
MCM67Q804			MCM67Q804/D	REV 1
MCM67W518			MCM67W518/D	N/A
MCM67W618			MCM67W618/D	N/A
MCM6810			MCM6810/D	DS9487R3
MCM72BA32, 64			MCM72BA32/D	REV 1
MCM81430			MCM81430/D	REV 1
MCM8256			MCM8256/D	REV 2
MCM84000			MCM84000/D	REV 2
MCM84030			MCM84000/D	REV 2
MCM8L1430			MCM81430/D	REV 1
MCM8L4000			MCM84000/D	REV 2
MCM91000			MCM91000/D	REV 2
MCM91430			MCM91430/D	REV 1
MCM91600			MCM91600/D	N/A
MCM93L422, A			MCM93422/D	DS9579R2
MCM94000			MCM94000/D	REV 2
MCM94030			MCM94000/D	REV 2
MCM9L1000			MCM91000/D	REV 2
MCM9L1430			MCM91430/D	REV 1
MCM9L1600			MCM9L1600/D	N/A
MCM9L4000			MCM94000/D	REV 2
MCMC6206			MCMC6206/D	N/A
MCML Series (Multichip Modules)			MCML/D	N/A
MCR08BT1 series			MCR08BT1/D	N/A
MCR1000 series			MCR1000/D	DS3564
MCR106-1	THRU	MCR106-4	MCR106-1/D	DS8535R2
MCR106-6, -8			MCR106-1/D	DS8535R2

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MCR107-1	THRU	MCR107-8	MCR107-1/D	DS6536
MCR115, 120			MCR115/D	DS6529
MCR1718-5	THRU	MCR1718-8	MCR1718-5/D	DS6521
MCR1906-1	THRU	MCR1906-6	MCR1906-1/D	DS6520R1
MCR2080, A series			MCR2080/D	DS3587
MCR2150, A series	THRU		MCR2150/D	DS3588
MCR218FP series			MCR218FP/D	DS3775
MCR22-2	THRU	MCR22-8	MCR22-2/D	DS3402
MCR220-5			2N6394/D	DS6565R1
MCR220-7			2N6394/D	DS6565R1
MCR220-9			2N6394/D	DS6565R1
MCR221-5			2N6400/D	DS6567R1
MCR221-7			2N6400/D	DS6567R1
MCR221-9			2N6400/D	DS6567R1
MCR225-12			2N6504/D	DS6590R1
MCR225-5			2N6504/D	DS6590R1
MCR225-7			2N6504/D	DS6590R1
MCR225-9			2N6504/D	DS6590R1
MCR225FP series			MCR225FP/D	DS3762
MCR264-4	THRU	MCR264-12	MCR264-4/D	DS6131R1
MCR265-2	THRU	MCR265-10	MCR265-2/D	DS3578
MCR310 series	THRU		MCR310/D	DS3693
MCR3818-1	THRU	MCR3818-10	MCR3818-1/D	DS6523R1
MCR3835-1	THRU	MCR3835-10	MCR3835-1/D	DS6524R2
MCR3918-1	THRU	MCR3918-10	MCR3818-1/D	DS6523R1
MCR3935-1	THRU	MCR3935-10	MCR3835-1/D	DS6524R2
MCR506 series			MCR506/D	DS3663
MCR606-2	THRU	MCR606-8	MCR606-2/D	DS3403
MCR63-1	THRU	MCR63-10	MCR63-1/D	DS6605
MCR64-1	THRU	MCR64-10	MCR63-1/D	DS6605
MCR65-1	THRU	MCR65-10	MCR63-1/D	DS6605
MCR67, 68, 69 series			MCR67/D	DS6611
MCR70, 71 series			MCR70/D	DS6612
MCR703A	THRU	MCR708A	MCR703A/D	DS3835R1
MCR72-1	THRU	MCR72-8	MCR72-1/D	DS6610
MCR92 series			MCR92/D	DS6568
MCT2, 2E, 26			H11A1/D	DS8018
MCT210			H11A1/D	DS8018
MCT7800 Series			MCT7800/D	N/A
MDA200 series			3N253/D	DS6102R1
MDA2500 series			MDA2500/D	DS6110R1
MDA2550	THRU	MDA2551	MDA2550/D	DS6122
MDA3500 series			MDA3500/D	DS6101
MDA3550	THRU	MDA3551	MDA3550/D	DS6121
MDA4002, 4004			MDA4002/D	DS6173
MDA4006, 4008			MDA4002/D	DS6173
MDC1000A, BLT1, CT1			MDC1000A/D	REV 2
MDC1005A, BLT1			MDC1005A/D	N/A
MDC1100A, CT1			MDC1100A/D	N/A
MDC1115A			MDC1115A/D	N/A
MDC1115CT1			MDC1115A/D	N/A
MDC2125			MDC2125/D	N/A
MDC4010A, CT1			MDC4010A/D	N/A
MFE201	THRU	MFE203	MFE201/D	DS5647
MFE204			MFE204/D	DS5972
MFE209			MFE209/D	DS5557
MFE211	THRU	MFE212	MFE211/D	DS5675
MFE910			MFE910/D	DS4621
MFE9200			MFE9200/D	ADI596R1
MFE930, 960, 990			MFE930/D	ADI597R1
MFF324B			MFF324B/D	N/A

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MFOD100			MFOD100/D	DS2549
MFOD1100	THRU	MFOD3100	AAFOC/D	DS3967
MFOD200			MFOD200/D	DS2550
MFOD2202			MFOD2202/D	DS2693R1
MFOD2302			MFOD2302/D	DS2691R1
MFOD2404	THRU	MFOD2405	AAFOC/D	DS3967
MFOD2405			MFOD2405/D	DS2690R1
MFOD300			MFOD300/D	DS2551
MFOD3100			MFOD3100/D	DS2707R1
MFOD3510			AAFOC/D	DS3967
MFOD3510			MFOD3510/D	DS2727
MFOD71	THRU	MFOD73	MFOD71/D	DS2706
MFOD75			MFOD75/D	DS2728
MFODC1100			MFODC1100/D	DS5935
MFOE1100	THRU	MFOE1102	AAFOC/D	REV 1
MFOE1100	THRU	MFOE1102	MFOE1100/D	DS2724
MFOE1200	THRU	MFOE1203	AAFOC/D	REV 1
MFOE1200			MFOE1200/D	DS2688R1
MFOE1201	THRU	MFOE1202	MFOE1201/D	DS2689R2
MFOE200			AAFOC/D	REV 1
MFOE200			MFOE200/D	DS2548
MFOE3100	THRU	MFOE3101	AAFOC/D	REV 1
MFOE3100	THRU	MFOE3102	MFOE3100/D	DS2723
MFOE3200	THRU	MFOE3202	AAFOC/D	REV 1
MFOE3200	THRU	MFOE3201	MFOE3200/D	DS2708R1
MFOE71			MFOE71/D	DS2705R1
MFOE76			MFOE76/D	DS2740
MFOEC1200			MFOEC1200/D	DS5936
MFQ1000C, P			MFQ1000C/D	DS2702
MFQ5460P			MFQ5460P/D	DS4635
MFQ6660C, P			MFQ6660C/D	DS2703
MG100BZ100			MG100BZ100/D	DS3801
MG100BZ50			MG100BZ50/D	DS3901
MG25BZ100			MG25BZ100/D	DS3797
MG25BZ50			MG25BZ50/D	DS3899
MG50BZ100			MG50BZ100/D	DS3787
MG50BZ50			MG50BZ50/D	DS3900
MGM20N45, 20N50			MGM20N45/D	DS3621
MGM5N45, 5N50			MGM5N45/D	DS3640
MGP20N45, 20N50			MGM20N45/D	DS3621
MGP5N45, 5N50			MGM5N45/D	DS3640
MGTO1000, 1200, 1400			MGTO1000/D	DS3662
MGTO1000M,1200M,1400M			MGTO1000/D	DS3662
MHQ2222, H, HX, HXV			MHQ2222/D	DS4626
MHQ2369, H, HX, HXV			MHQ2369/D	DS4633
MHQ2484, H, HX, HXV			MHQ2484/D	DS4629
MHQ2907, H, HX, HXV			MHQ2907/D	DS4576R2
MHQ3467, H, HX, HXV			MHQ3467/D	DS4578R2
MHQ3546, H, HX, HXV			MHQ3546/D	DS4632
MHQ3724, H, HX, HXV	THRU	MHQ3725, H, HX, HXV	MHQ3724/D	DS4625R1
MHQ3799, H, HX, HXV			MHQ3799/D	DS4631
MHQ4013	THRU	MHQ4014	MHQ4013/D	DS4585
MHQ6002, H, HX, HXV			MHQ6002/D	DS4630
MHQ6100A, AH, AHX, AHXV			MHQ6100A/D	DS4634
MHQ6842, H, HX, HXV			MHQ6842/D	DS4628
MHQ918, H, HX, HXV			MHQ918/D	DS4591R2
MHW10000 series			MHW10000/D	DS5947R1
MHW105			MHW105/D	N/A
MHW11005			MHW11005/D	N/A
MHW1121	THRU	MHW1122	MHW1121/D	DS5710
MHW1134			MHW1134/D	DS5843R1



# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MHW1171	THRU	MHW1172	MHW1171/D	DS5704
MHW1171R	THRU	MHW1172R	MHW1171R/D	DS5733
MHW1184			MHW1134/D	DS5843R1
MHW1220			MHW1220/D	DS5765
MHW1221	THRU	MHW1222	MHW1171/D	DS5704
MHW1224			MHW1134/D	DS5843R1
MHW1244			MHW1134/D	DS5843R1
MHW1341	THRU	MHW1342	MHW1341/D	DS5703R1
MHW1343	THRU	MHW1344	MHW1343/D	DS5707R1
MHW1391	THRU	MHW1392	MHW1391/D	DS5713
MHW2001-15			MHW2001/D	DS5981
MHW2122			MHW2122/D	DS5838
MHW2162			MHW2162/D	DS5841
MHW2172			MHW2172/D	DS5817
MHW2332			MHW2332/D	DS5844
MHW3171	THRU	MHW3172	MHW3171/D	DS5847
MHW3181	THRU	MHW3182	MHW3181/D	DS5855
MHW3222			MHW3222/D	DS5846
MHW3342			MHW3342/D	ADI651
MHW4171	THRU	MHW4172	MHW4171/D	DS5806
MHW4341	THRU	MHW4342	MHW4341/D	ADI579
MHW4524F			MHW4524F/D	ADI1053R1
MHW5122			MHW5122/D	DS5867
MHW5142			MHW5142/D	ADI1063
MHW5171	THRU	MHW5172	MHW5171/D	DS5859R1
MHW5181	THRU	MHW5182	MHW5181/D	DS5861R1
MHW5183			MHW5183/D	N/A
MHW5185			MHW5185/D	DS5905
MHW5185B			MHW5185B/D	N/A
MHW5205, R			MHW5205/D	DS6055
MHW5222			MHW5222/D	ADI1620
MHW5225, R			MHW5225/D	DS6026
MHW5342			MHW5342/D	DS5860R1
MHW572			MHW572/D	DS5637
MHW580			MHW580/D	DS3303
MHW590			MHW590/D	DS5689
MHW591			MHW591/D	DS5690
MHW592			MHW592/D	DS5691
MHW593			MHW593/D	DS5695
MHW607 series			MHW607/D	DS5979
MHW6141	THRU	MHW6142	MHW6141/D	ADI1105
MHW6171	THRU	MHW6172	MHW6171/D	DS5904
MHW6181	THRU	MHW6182	MHW6181/D	DS5888
MHW6182-6			MHW6182-6/D	N/A
MHW6183			MHW5183/D	N/A
MHW6185			MHW5185/D	DS5905
MHW6185-6			MHW5185B/D	N/A
MHW6185B			MHW5185B/D	N/A
MHW6205			MHW6205/D	N/A
MHW6222			MHW6222/D	DS5900
MHW6222-6			MHW6222-6/D	N/A
MHW6225			MHW6205/D	N/A
MHW6342F			MHW6342F/D	ADI1104R1
MHW703			MHW703/D	DS6052
MHW704			MHW704/D	N/A
MHW707			MHW707/D	DS5980
MHW709			MHW709/D	DS5521R1
MHW710			MHW710/D	DS5522R3
MHW7182			MHW7182/D	N/A
MHW720			MHW720/D	DS5727
MHW720A1, A2			MHW720A1/D	DS5880

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MHW720A3			MHW720A3/D	N/A
MHW801 series			MHW801/D	DS6035
MHW803 series			MHW803/D	DS5952R1
MHW804 SERIES			MHW804/D	N/A
MHW806A series			MHW806A/D	DS5953
MHW807 series			MHW807/D	DS6036
MHW808-1, -2, -3			MHW808-1/D	DS5791R1
MHW808A1, A2, A3			MHW808A1/D	DS5878
MHW812A3			MHW812A3/D	DS5903R1
MHW8182			MHW7182/D	N/A
MHW820-1, -2, -3			MHW820-1/D	DS5803R2
MHW851 series			MHW801/D	DS6035
MHW9002 series			MHW9002/D	N/A
MHW903			MHW903/D	N/A
MHW909			MHW909/D	N/A
MHW912			MHW912/D	N/A
MHW914	THRU	MHW915	MHW914/D	N/A
MHW9182			MHW7182/D	N/A
MHW926, 927A, 927B			MHW926/D	N/A
MHW932			MHW932/D	N/A
MHW953	THRU	MHW954	MHW903/D	N/A
MJ10000	THRU	MJ10001	MJ10000/D	DS3285R3
MJ10002			MJ10002/D	DS3292R3
MJ10004	THRU	MJ10005	MJ10004/D	DS3300R1
MJ10006	THRU	MJ10007	MJ10006/D	DS3299R1
MJ10008	THRU	MJ10009	MJ10008/D	DS3327R1
MJ10011			MJ10011/D	DS3567
MJ10012			MJ10012/D	DS3318R2
MJ10014			MJ10014/D	DS3349R2
MJ10015	THRU	MJ10016	MJ10015/D	DS3360R1
MJ10020	THRU	MJ10021	MJ10020/D	DS3377
MJ10022	THRU	MJ10023	MJ10022/D	DS3380
MJ10024	THRU	MJ10025	MJ10024/D	DS3395
MJ10041			MJ10041/D	DS3584
MJ10042			MJ10042/D	DS3574
MJ10044			MJ10041/D	DS3584
MJ10045			MJ10042/D	DS3574
MJ10047			MJ10041/D	DS3584
MJ10048			MJ10042/D	DS3574
MJ100AA45			MJ100AA45/D	DS3788
MJ100B3D45			MJ100B3D45/D	DS3890R1
MJ100BD45			MJ100BD45/D	DS3725
MJ100BE55			MJ100BE55/D	DS3727
MJ100BK100			MJ100BK100/D	DS3721
MJ100BX120			MJ100BX120/D	DS3736
MJ11011	THRU	MJ11016	MJ11011/D	DS3367
MJ11017	THRU	MJ11022	MJ11017/D	DS3545
MJ11028	THRU	MJ11033	MJ11028/D	AD1392
MJ12002			MJ12002/D	DS3328
MJ12003			MJ12003/D	DS1524
MJ12004			MJ12004/D	DS3330R1
MJ12005			MJ12005/D	DS3387
MJ12005D			MJ12005D/D	DS3618
MJ12010			MJ12010/D	DS3389
MJ12020	THRU	MJ12022	MJ12020/D	DS3585
MJ13014	THRU	MJ13015	MJ13014/D	DS3332R1
MJ1302A			MJ3281A/D	N/A
MJ13070	THRU	MJ13071	MJ13070/D	DS3396
MJ13080	THRU	MJ13081	MJ13080/D	DS3397
MJ13090	THRU	MJ13091	MJ13090/D	DS3398R1
MJ13101			MJ13101/D	DS3422

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MJ13330	THRU	MJ13331	MJ13330/D	DS3358
MJ13333, 13335			MJ13333/D	DS3365
MJ14000	THRU	MJ14003	MJ14000/D	DS3421R1
MJ15001	THRU	MJ15002	MJ15001/D	DS3319
MJ15011	THRU	MJ15012	MJ15011/D	DS3630
MJ15015	THRU	MJ15016	2N3055A/D	DS3353R1
MJ15018	THRU	MJ15021	MJ15018/D	DS3841
MJ15022	THRU	MJ15025	MJ15022/D	DS3356R2
MJ15026	THRU	MJ15027	MJ15026/D	DS3412
MJ150B3D55			MJ150B3D55/D	DS3800
MJ150BK100			MJ150BK100/D	DS3722
MJ150BX100			MJ150BX100/D	DS3769
MJ150BX120			MJ150BX120/D	DS3738
MJ15FG45			MJ15FG45/D	DS3724
MJ16002, 16004			MJ16002/D	DS3413
MJ16002A			MJ16002A/D	DS3606R1
MJ16006, 16008			MJ16006/D	DS3415R1
MJ16006A			MJ16006A/D	DS3589R2
MJ16010, 16012			MJ16010/D	DS3386R2
MJ16010A			MJ16010A/D	DS3633R2
MJ16014, 16016			MJ16014/D	DS3532
MJ16018			MJ16018/D	DS3624R1
MJ16110			MJ16110/D	DS3830R1
MJ200AA55			MJ200AA55/D	DS3723
MJ200AF55			MJ200AF55/D	DS3882
MJ200AV100			MJ200AV100/D	DS3768
MJ200AV120			MJ200AV120/D	DS3739
MJ21193	THRU	MJ21194	MJ21193/D	REV 1
MJ25BX100			MJ25BX100/D	DS3785
MJ2940	THRU	MJ2941	MJ2940/D	DS3148
MJ2955			2N3055/D	DS3337
MJ2955A			2N3055A/D	DS3353R1
MJ300A2F55			MJ300A2F55/D	DS3767
MJ300AV100			MJ300AV100/D	DS3756
MJ300AV120			MJ300AV120/D	DS3740
MJ3029			MJ3029/D	DS3185
MJ3281A			MJ3281A/D	N/A
MJ410	THRU	MJ411	MJ410/D	DS3197
MJ4360	THRU	MJ4361	MJE13002/D	DS3288R4
MJ4646	THRU	MJ4647	MJ4646/D	DS3229R2
MJ50AC100			MJ50AC100/D	DS3720
MJ50B2D45			MJ50B2D45/D	DS3786
MJ50BD45			MJ50BD45/D	DS3719
MJ50BK100			MJ50BK100/D	DS3718
MJ50BX100			MJ50BX100/D	DS3770
MJ50BX120			MJ50BX120/D	DS3733
MJ6308			MJ6308/D	DS2753
MJ6503			MJ6503/D	DS3376
MJ7000			MJ7000/D	DS3142
MJ75B2D50			MJ75B2D50/D	DS3757
MJ75BX100			MJ75BX100/D	DS3766
MJ75BX120			MJ75BX120/D	DS3734
MJ8100	THRU	MJ8101	MJ8100/D	DS3135
MJ8501			MJ8501/D	DS3373
MJ8502	THRU	MJ8503	MJ8502/D	DS3374
MJ8504	THRU	MJ8505	MJ8504/D	DS3375
MJD112, 117			MJD112/D	DS3706R1
MJD122, 127			MJD122/D	DS3687R1
MJD13003			MJD13003/D	DS3726R1
MJD148			MJD148/D	DS3802
MJD200, 210			MJD200/D	DS3729R1

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MJD243, 253			MJD243/D	DS3822R1
MJD2955, 3055			MJD2955/D	DS3688R1
MJD31, C	THRU	MJD32, C	MJD31/D	DS3715R1
MJD340, 350			MJD340/D	DS3773
MJD41C	THRU	MJD42C	MJD41C/D	DS3684R1
MJD44E3			MJD44E3/D	DS3784
MJD44H11	THRU	MJD45H11	MJD44H11/D	REV 2
MJD47, 50			MJD47/D	DS3686R1
MJD5731			MJD5731/D	DS3889
MJD6036, 6039			MJD6036/D	DS3707R2
MJE1123			MJE1123/D	N/A
MJE12007			MJE12007/D	DS3368
MJE13002	THRU	MJE13003	MJE13002/D	DS3288R4
MJE13004	THRU	MJE13005	MJE13004/D	DS3334R2
MJE13007			MJE13007/D	N/A
MJE13008	THRU	MJE13009	MJE13008/D	DS3314
MJE13070	THRU	MJE13071	MJE13070/D	DS3533
MJE1320			MJE1320/D	DS3730
MJE15028	THRU	MJE15031	MJE15028/D	DS3369
MJE16002, 16004			MJE16002/D	DS3530R1
MJE16032, 16034			MJE16032/D	DS3676R2
MJE16080	THRU	MJE16081	MJE16080/D	DS3683
MJE16106			MJE16106/D	DS3832
MJE16204			MJF16204/D	REV 2
MJE170	THRU	MJE172	MJE170/D	DS3405R1
MJE180	THRU	MJE182	MJE170/D	DS3405R1
MJE18002			MJE18002/D	REV 1
MJE18004			MJE18004/D	REV 3
MJE18006, MJF			MJE18006D	REV 1
MJE18008			MJE18008/D	REV 1
MJE2360T	THRU	MJE2361T	MJE2360T/D	DS3168R1
MJE270	THRU	MJE271	MJE270/D	DS3405R1
MJE2801, T			MJE2801/D	DS3338
MJE2901			MJE2801/D	DS3338
MJE2955, T			MJE2955/D	DS3339
MJE3055, T			MJE2955/D	DS3339
MJE3521			MJE521/D	DS3146R1
MJE370			MJE370/D	DS3143R2
MJE371			MJE371/D	DS3144R2
MJE4340	THRU	MJE4343	MJE4340/D	DS3385R1
MJE4350	THRU	MJE4353	MJE4340/D	DS3385R1
MJE5170	THRU	MJE5172	MJE5180/D	DS3628
MJE5180	THRU	MJE5182	MJE5180/D	DS3628
MJE521, K			MJE521/D	DS3146R1
MJE5220	THRU	MJE5221	MJE5220/D	DS3586
MJE5230	THRU	MJE5231	MJE5220/D	DS3586
MJE5420Z			MJE5420Z/D	AD11465
MJE5730	THRU	MJE5732	MJE5730/D	DS3267
MJE5740	THRU	MJE5742	MJE5740/D	DS3378R1
MJE5850	THRU	MJE5852	MJE5850/D	DS3379
MJE6040	THRU	MJE6045	2N6040/D	DS3241
MJE700, T	THRU	MJE703	MJE700/D	DS3196R3
MJE800, T	THRU	MJE803	MJE700/D	DS3196R3
MJE8500	THRU	MJE8501	MJE8500/D	DS3383
MJE8502	THRU	MJE8503	MJE8502/D	DS3384
MJE8503A			MJE8503A/D	N/A
MJF10012			MJF10012/D	DS3839
MJF102, 107			MJF102/D	DS3818
MJF122, 127			MJF122/D	DS3819
MJF13007			MJE13007/D	N/A
MJF15030	THRU	MJF15031	MJF15030/D	DS3810

# DATA SHEET LISTING

ITEM	THRU	PRODUCT	LITERATURE #	REV #
MJF16002			MJF16002/D	REV 3
MJF16006A			MJF16006A/D	DS3842
MJF16010A			MJF16010A/D	DS3846
MJF16204			MJF16204/D	REV 2
MJF16206			MJF16206/D	N/A
MJF16212			MJF16212/D	N/A
MJF18002			MJE18002/D	REV 1
MJF18004			MJE18004/D	REV 3
MJF18006			MJE18006/D	REV 1
MJF18008			MJE18008/D	REV 1
MJF2955, 3055			MJF3055/D	DS3820
MJF44H11	THRU	MJF45H11	MJF44H11/D	DS3821
MJF47			MJF47/D	DS3795
MJF6107			MJF6107/D	DS3811R1
MJF6284, 6287			MJF6284/D	DS2756
MJF6388			MJF6388/D	REV 3
MJF6668			MJF6388/D	REV 3
MJH10000	THRU	MJH10001	MJ10000/D	DS3285R3
MJH10012			MJ10012/D	DS3318R2
MJH11017	THRU	MJH11022	MJH11017/D	DS3637
MJH12004			MJ12004/D	DS3330R1
MJH13090	THRU	MJH13091	MJ13090/D	DS3398R1
MJH16002			MJE16002/D	DS3530R1
MJH16002A			MJ16002A/D	DS3606R1
MJH16004			MJE16002/D	DS3530R1
MJH16006			MJ16006/D	DS3415R1
MJH16006A			MJ16006A/D	DS3589R2
MJH16008			MJ16006/D	DS3415R1
MJH16010			MJ16010/D	DS3386R2
MJH16010A			MJ16010A/D	DS3633R2
MJH16012			MJ16010/D	DS3386R2
MJH16018			MJ16018/D	DS3624R1
MJH16032, 16034			MJE16032/D	DS3676R2
MJH16106			MJE16106/D	DS3832
MJH16110			MJ16110/D	DS3830R1
MJH16206			MJF16206/D	DS3904R1
MJH6282	THRU	MJH6287	MJH6282/D	DS3636
MJH6676	THRU	MJH6678	2N6676/D	DS3526R2
MJL1302A			MJL3281A/D	N/A
MJL3281A			MJL3281A/D	N/A
MJW16206			MJF16206/D	DS3904R1
MJW16212			MJF16212/D	N/A
MK1V series			MK1V/D	DS3565
MK1V240 series			MK1V240/D	DS3607
MK433			MRF432/D	DS5640
MKP1V120,130,160,240,260,270			MKP1V120/D	N/A
MKP9V120, 130, 240			MKP9V120/D	DS3625
MKP9V240 series			MKP9V240/D	DS3605
MKP9V260, 270			MKP9V120/D	DS3625
MKT1V series			MKT1V/D	DS3664
MLED15			MLED15/D	DS2573
MLED71			MLED71/D	DS2576
MLED76			MLED76/D	DS2741
MLED77			MLED77/D	ADI793
MLED81			MLED81/D	DS5941
MLED91 Series			MLED91/D	N/A
MLED930			MLED930/D	DS2613R2
MLED96			MLED96/D	N/A
MLED97			MLED97/D	N/A
MLEDC1000			MLEDC1000/D	DS5937
MLL4001	THRU	MLL4004	MLL4001/D	ADI1110

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MLL4099	THRU	MLL4135	MLL4099/D	DS7070
MLL4370	THRU	MLL4372	MLL746/D	DS7071
MLL4614	THRU	MLL4627	MLL4099/D	DS7070
MLL4678	THRU	MLL4717	MLL4678/D	DS7069
MLL4728	THRU	MLL4764	MLL4728/D	DS7067
MLL5221	THRU	MLL5270	MLL5221/D	DS7066
MLL746	THRU	MLL759	MLL746/D	DS7071
MLL957A	THRU	MLL986A	MLL746/D	DS7071
MLP1N06CL			MLA1N06CL/D	N/A
MLP1N06CL			MLP1N06CL/D	N/A
MM3725, A			MM3725/D	DS2747
MM4018			MM4018/D	DS5382
MM4049			MM4049/D	DS5371R2
MM8006	THRU	MM8007	MM8006/D	DS5334
MM8009			MM8009/D	DS5336R1
MMAD1103	THRU	MMAD1107, 1109	MMAD130/D	ADI1315
MMAD1108			MMAD1108/D	ADI1314
MMAD130			MMAD130/D	ADI1315
MMBD2835X	THRU	MMBD2836X	MBAL99/D	DS4638
MMBD2837X	THRU	MMBD2838X	MBAL99/D	DS4638
MMBD6050X			MBAL99/D	DS4638
MMBD914X			MBAL99/D	DS4638
MMBF170			MMBF170/D	ADI1331R1
MMBR521L			MMBR521L/D	N/A
MMBR536			MPS536/D	DS4641
MMBR571			MPS571/D	DS4640
MMBR911			MPS911/D	DS4642
MMBR941, L			MRF941/D	DS5969
MMBR951, L			MRF951/D	DS5961
MMBT3904T			MMBT3904T/D	DS2758
MMBT3906T			MMBT3906T/D	DS2757
MMBV3700, L			MMBV3700/D	DS2700
MMBV409, L			MMBV409/D	DS2743
MMBV432L			MMBV432L/D	DS4644R1
MMBV609L			MMBV609L/D	DS2746
MMBV809L			MMBV809L/D	DS2745R1
MMBZ15VDLT1			MMVZ15VDLT1/D	N/A
MMBZ5V6ALT1			MMBZ5V6ALT1/D	N/A
MMC4049			MM4049/D	DS5371R2
MMDF1N05E			MMDF1N05E/D	N/A
MMDF2C05E			MMDF2C05E/D	N/A
MMDF2N02E			MMDF2N02E/D	N/A
MMDF4N02			MMDF4N02/D	N/A
MMDS05			MMDS05/D	N/A
MMFT107T1, T3			MMFT107T1/D	ADI1797
MMFT1N10ET1			MMFT1N10ET1/D	REV 1
MMFT2406T1			MMFT2406T1/D	N/A
MMFT2955ET1			MMFT2955ET1/D	REV 1
MMFT2N02ELT1			MMFT2N02ELT1/D	REV 1
MMFT3055ELT1			MMFT3055ELT1/D	REV 1
MMFT3055ET1			MMFT3055ET1/D	REV 1
MMFT3166T1			MMFT3166T1/D	N/A
MMFT6661T1, T3			MMFT6661T1/D	REV 2
MMFT960T1, T3			MMFT960T1/D	REV 1
MMPQ2222, A			MMPQ2222/D	ADI1187
MMPQ2369			MMPQ2369/D	ADI1351
MMPQ2907, A			MMPQ2907/D	ADI1188
MMPQ3467			MMPQ3467/D	ADI1185R1
MMPQ3725, A			MMPQ3725/D	ADI1186
MMPQ3762			MMPQ3762/D	ADI1179R1
MMPQ3904			MMPQ3904/D	ADI1354

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MMPQ3906			MMPQ3906/D	ADI1353
MMPQ6700			MMPQ6700/D	ADI1355
MMPQ6842			MMPQ6842/D	ADI1352
MMSZ2V4	THRU	MMSZ75	MMSZ5221B/D	N/A
MMSZ4678	THRU	MMSZ4717	MMSZ5221B/D	N/A
MMSZ5221B	THRU	MMSZ5270B	MMSZ5221B/D	N/A
MMUN2111T1	THRU	MMUN2114T1	MMUN2111T1/D	REV 1
MMUN2211T1	THRU	MMUN2214T1	MMUN2211T1/D	REV 1
MOC1005	THRU	MOC1006	MOC1005/D	DS2648
MOC119			MOC119/D	DS2647R1
MOC205	THRU	MOC207	MOC205/D	DS2748
MOC211	THRU	MOC213	MOC211/D	DS2749
MOC215	THRU	MOC217	MOC215/D	DS2750
MOC221	THRU	MOC223	MOC221/D	DS2751
MOC2A40-5, -10			MOC2A40-10/D	REV 1
MOC2A60-5, -10			MOC2A60-10/D	N/A
MOC2A60-5, -10			MOC2A60-10ANT/D	REV 1
MOC3000	THRU	MOC3001	MOC3000/D	DS2725
MOC3002	THRU	MOC3003, 3007	MOC3002/D	DS2555
MOC3009	THRU	MOC3012	MOC3009/D	DS2535R3
MOC3020	THRU	MOC3021	MOC3020/D	DS2538
MOC3030	THRU	MOC3033	MOC3030/D	DS2541R1
MOC3040	THRU	MOC3041	MOC3040/D	DS2559
MOC3051			MOC3050/D	N/A
MOC3060	THRU	MOC3063	MOC3060/D	DS2721
MOC3081	THRU	MOC3083	MOC3081/D	DS2731
MOC3162			MOC3160/D	N/A
MOC3163			MOC3160/D	N/A
MOC5007	THRU	MOC5009	MOC5007/D	DS2580
MOC5010			MOC5010/D	DS2542
MOC70 series			MOC70/D	DS5946
MOC70K1, K2, K3			MOC70K1/D	DS2704
MOC70T1, T2, T3			MOC70K1/D	DS2704
MOC70U1, U2, U3			MOC70K1/D	DS2704
MOC70W1, W2			MOC70W1/D	ADI1155
MOC71 series			MOC71/D	DS5945
MOC71T1, T3	THRU	MOC71U1, U3	MOC71T1/D	ADI1113
MOC71W1			MOC71W1/D	ADI1156
MOC74T1, U1			MOC74T1/D	ADI1114
MOC75T1, T2, U1, U2			MOC75T1/D	DS2717
MOC8020	THRU	MOC8021	MOC8020/D	DS2539
MOC8030			MOC8050/D	DS2645R1
MOC8050			MOC8050/D	DS2645R1
MOC8060			MOC8060/D	N/A
MOC8080			MOC8080/D	DS2729
MOC8100			MOC8100/D	DS2698
MOC8101	THRU	MOC8104	MOC8101/D	DS5978
MOC8111	THRU	MOC8113	MOC8111/D	DS2697
MOC8204	THRU	MOC8206	MOC8204/D	DS2586
MOC9000			MOC9000/D	N/A
MOS Mem. Surf. Mount Reels			TRMEM/D	DS9918
MPC1710A			MPC1710A/D	ADI1420
MPC601			MCM601/D	REV 1
MPC601			MPC601EC/D	REV 2
MPC603			MPC603/D	REV 1
MPC604			MPC604/D	N/A
MPD1202			MPD1202/D	DS3878
MPD1203			MPD1203/D	DS3879
MPD1204			MPD1204/D	DS3880
MPF102			MPF102/D	DS5203
MPF4150			MPF4150/D	ADI1312

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MPF480	THRU	MPF481	MPF480/D	ADI1330
MPF6659	THRU	MPF6661	2N6659/D	DS4620
MPF910			MFE910/D	DS4621
MPF9200			MPF9200/D	ADI656
MPF930, 960, 990			MPF930/D	ADI657
MPM004			MPM004/D	ADI1357
MPM3002			MPM3002/D	DS3838
MPM3003			MPM3003/D	DS3877
MPM3004			MPM3004/D	DS3916
MPM3017			MPM3017/D	N/A
MPN3404			MPN3404/D	DS2532
MPN3700			MPN3700/D	DS2699
MPQ1050			MPQ1050/D	DS4063
MPQ2001			MPQ2001/D	ADI297
MPQ2221, A	THRU	MPQ2222, A	MPQ2221/D	DS4573R3
MPQ2906, A	THRU	MPQ2907, A	MPQ2906/D	DS4576R3
MPQ3725, A			MPQ3725/D	DS4566R2
MPQ3798, -1, -2	THRU	MPQ3799, -1, -2	MPQ3798/D	DS4556R2
MPQ4003	THRU	MPQ4004	MPQ4003/D	DS4588
MPQ6001, N	THRU	MPQ6002, N	MPQ6001/D	DS4557R2
MPQ6100, A			MPQ6100/D	DS4558R2
MPQ6501, N	THRU	MPQ6502, N	MPQ6001/D	DS4557R2
MPQ6600, A			MPQ6100/D	DS4558R2
MPQ6600, A, -1, -2	THRU		MPQ6600/D	DS4619
MPQ918			MPQ918/D	DS4559
MPS4123	THRU	MPS4124	MPS4123/D	DS5885R1
MPS4126	THRU	MPS4126	MPS4125/D	DS5886R1
MPS536			MPS536/D	DS4641
MPS571			MPS571/D	DS4640
MPS8000			MPS8000/D	DS5524
MPS8001			MPS8001/D	DS5526
MPS911			MPS911/D	DS4642
MPTE-5, C	THRU	MPTE-45, C	1N5908/D	REV 1
MPU6027	THRU	MPU6028	MPU6027/D	DS2524
MPX100 series			MPX100/D	REV 2
MPX10D, DP, GP	THRU	MPX12D, DP, GP	MPX10/D	REV 2
MPX10GVP, GS, GVS	THRU	MPX12GVP, GS, GVS	MPX10/D	REV 2
MPX11D, DP, GP			MPX10/D	DS2701R1
MPX11GVP, GS, GVS			MPX10/D	DS2701R1
MPX12D, DP, GP			MPX10/D	DS2701R1
MPX12GVP, GS, GVS			MPX10/D	DS2701R1
MPX10GVP, GS, GVS			MPX10D	DS2701R1
MPX200	THRU	MPX201	MPX200/D	REV 4
MPX2010 series			MPX2010/D	REV 3
MPX201A, AP, D, DP, GP, GVP			MPX201/D	DS2571R1
MPX2040D			MPX2040D/D	REV 1
MPX2050 series	THRU	MPX2051 series	MPX2050/D	REV 3
MPX2052 series			MPX2052/D	REV 2
MPX2100 series	THRU	MPX2101 series	MPX2100/D	REV 4
MPX2200 series	THRU	MPX2201 series	MPX2200/D	REV 5
MPX2300D			MPX2300D/D	N/A
MPX2700 series			MPX2700/D	N/A
MPX4100 series	THRU	MPX4101 series	MPX4100/D	REV 1
MPX4115 Series			MPX4115/D	N/A
MPX4250 Series			MPX4250/D	N/A
MPX50 series	THRU	MPX52 series	MPX50/D	REV 2
MPX5050 series			MPX5050/D	REV 1
MPX50D, DP, GP, GVP			MPX50/D	REV 1
MPX5100 series			MPX5100/D	REV 2
MPX51D, DP, GP, GVP			MPX51/D	REV 1
MPX52D, DP, GP, GVP			MPX52/D	REV 1



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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MPX700 series			MPX700/D	REV 2
MPX7010, 14 series			MPX7010/D	REV 0
MPX7050 series			MPX7050/D	REV 1
MPX7100 series			MPX7100/D	REV 1
MPX7200 series			MPX7200/D	REV 1
MR10120E			MR10120E/D	DS6190
MR2520L, 2525L			MR2520L/D	DS6134R1
MR2535L, 2540L			MR2535L/D	REV 1
MR4422CT, CTR			MR4422CT/D	ADI1790
MRA1300-10L			MRA1300-10L/D	ADI1725
MRA1600 series			MRA1600/D	DS6037
MRA1600-6			MRA1600-6/D	ADI1794
MRA1618-35H			MRA1618-35H/D	N/A
MRAL2327-12H			MRAL2327-12H/D	DS6054
MRD150			MRD150/D	DS2605R3
MRD300, 310			MRD300/D	DS2601R2
MRD3010	THRU	MRD3011	MRD3010/D	DS8017
MRD3050	THRU	MRD3051	MRD3050/D	DS2614R2
MRD3054	THRU	MRD3056	MRD3050/D	DS2614R2
MRD360, 370			MRD360/D	DS2629
MRD500, 510			MRD500/D	DS2608R3
MRD5009			MRD5009/D	DS2732
MRD701			MRD701/D	DS2577
MRD711			MRD711/D	DS2581
MRD721			MRD721/D	DS2588
MRD730			MRD730/D	ADI1059
MRD740			MRD740/D	ADI1060
MRD750			MRD750/D	DS2715
MRD821			MRD821/D	DS5942
MRD901 Series			MRD901/D	N/A
MRD911			MRD911/D	N/A
MRD921			MRD921/D	N/A
MRD950			MRD950/D	N/A
MRDC100			MRDC100/D	DS5930
MRDC200			MRDC200/D	DS5931
MRDC400			MRDC400/D	DS5932
MRDC600			MRDC600/D	DS5933
MRDC800			MRDC800/D	DS5934
MRF0211, L			MRF0211/D	DS5959
MRF10005			MRF10005/D	DS5977
MRF10005H			MRF10005H/D	REV 1
MRF1000MA, MB			MRF1000MA/D	DS5741
MRF1002MA, MB			MRF1002MA/D	DS5742
MRF10031			MRF10031/D	N/A
MRF10031H			MRF10031H/D	REV 1
MRF1004MA, MB			MRF1004MA/D	DS5743
MRF10070			MRF10070/D	REV 1
MRF10070H			MRF10070H/D	REV 1
MRF1008MA, MB			MRF1008MA/D	DS5758
MRF10120			MRF10120/D	DS6035
MRF10120H			MRF10120H/D	REV 1
MRF10150			MRF10150/D	N/A
MRF10150H			MRF10150H/D	REV 1
MRF1015MA, MB			MRF1015MA/D	DS5799
MRF10350			MRF10350/D	N/A
MRF10350H			MRF10350H/D	REV 1
MRF1035MA, MB			MRF1035MA/D	DS5786
MRF10500			MRF10500/D	N/A
MRF10500H			MRF10500H/D	REV 1
MRF1090MA, MB			MRF1090MA/D	DS5795
MRF1150M			MRF1150M/D	DS5852R1

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MRF1150MA, MB			MRF1150MA/D	DS5776
MRF1250M			MRF1250M/D	DS5815R1
MRF1325M			MRF1325M/D	DS5816R1
MRF134			MRF134/D	DS5869
MRF136, Y			MRF136/D	DS5876R1
MRF137			MRF137/D	DS9645
MRF1375			MRF1375/D	N/A
MRF138			MRF138/D	ADI740
MRF140			MRF140/D	ADI709
MRF141			MRF141/D	DS6049
MRF141G			MRF141G/D	DS6048
MRF148			MRF148/D	ADI724
MRF150			MRF150/D	ADI703
MRF1500			MRF1500/D	N/A
MRF151			MRF151/D	DS6047
MRF151G			MRF151G/D	DS6050
MRF153			MRF153/D	DS5909
MRF154			MRF154/D	DS5906
MRF157			MRF157/D	N/A
MRF158, R			MRF158/D	N/A
MRF161			MRF161/D	DS5890
MRF162			MRF162/D	DS5887
MRF163			MRF163/D	DS5882
MRF164W			MRF164W/D	REV 1
MRF166, C			MRF166/D	REV 1
MRF171			MRF171/D	DS5862
MRF173, CQ			MRF173/D	N/A
MRF174			MRF174/D	DS5871
MRF175GV, GU			MRF175GV/D	DS5955
MRF175LV, LU			MRF175LV/D	DS5954
MRF176GV, GU			MRF176GV/D	DS5965
MRF177, M			MRF177/D	N/A
MRF1946, A			MRF1946/D	DS5894
MRF2000-5L			MRF2000-5L/D	N/A
MRF2001, B			MRF2001/D	DS5715
MRF2001M			MRF2001M/D	DS5804
MRF2003, B			MRF2003/D	DS5731
MRF2003M			MRF2003M/D	DS5813
MRF2005, B			MRF2005/D	DS5719
MRF2005M			MRF2005M/D	DS5797
MRF2010, B			MRF2010/D	DS5730
MRF2010M			MRF2010M/D	DS5802
MRF2016M			MRF2016M/D	DS5796
MRF207	THRU	MRF209	MRF207/D	DS5505R1
MRF212			MRF212/D	DS5697
MRF215			MRF215/D	DS5448
MRF216			MRF216/D	DS5549
MRF221			2N6081/D	DS5565
MRF222			2N6082/D	DS5467R2
MRF223			2N6083/D	DS5610
MRF224			2N6084/D	DS5611
MRF225			MRF225/D	DS5567
MRF226			MRF226/D	DS5568
MRF227			MRF227/D	DS5587
MRF229	THRU	MRF230	MRF229/D	DS5669R1
MRF232			MRF232/D	DS5571
MRF233			MRF233/D	DS5572
MRF234			MRF234/D	DS5573
MRF2369			MRF2369/D	DS5910
MRF237			MRF237/D	DS5626
MRF238			MRF238/D	ADI332

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MRF239			MRF239/D	DS5782
MRF240			MRF240/D	DS5783
MRF245			MRF245/D	DS5686
MRF247			MRF247/D	DS5784
MRF248			MRF248/D	DS5938
MRF260			MRF260/D	DS5724
MRF261			MRF261/D	DS5759
MRF262			MRF262/D	DS5725
MRF2628			MRF2628/D	DS5881
MRF264			MRF264/D	DS5726
MRF309			MRF309/D	DS5708
MRF3104	THRU	MRF3106	MRF3104/D	N/A
MRF313, A			MRF313/D	DS5634
MRF314, A			MRF314/D	DS5696
MRF315, A			MRF315/D	DS5699
MRF316			MRF316/D	DS5688
MRF317			MRF317/D	DS5677
MRF321			MRF321/D	DS5678
MRF323			MRF323/D	DS5679
MRF325			MRF325/D	DS5682
MRF326			MRF326/D	DS5687
MRF327			MRF327/D	DS5683
MRF329			MRF329/D	DS5850
MRF331			MRF331/D	DS5720
MRF338			MRF338/D	DS5812
MRF340			MRF340/D	DS5722
MRF342			MRF342/D	DS5723
MRF344			MRF344/D	DS5732
MRF3866			MRF3866/D	DS5957
MRF390			MRF390/D	DS5911
MRF392			MRF392/D	DS5914
MRF393			MRF393/D	DS5939
MRF401			MRF401/D	DS5547
MRF406			MRF406/D	DS5602
MRF4070			MRF4070/D	DS5851
MRF410, A			MRF410/D	DS5921
MRF412, A			MRF412/D	DS5762
MRF421			MRF421/D	DS5620
MRF422			MRF422/D	DS5612
MRF426, A			MRF426/D	DS5718
MRF427A			MRF427A/D	DS5658
MRF428A			MRF428A/D	DS5638
MRF429			MRF429/D	DS5820
MRF430			MRF430/D	DS5917
MRF432	THRU	MRF433	MRF432/D	DS5640
MRF4427			MRF4427/D	DS5994
MRF448			MRF448/D	DS5864
MRF449, A			MRF449/D	DS5617
MRF450, A			MRF450/D	DS5609
MRF453, A			MRF453/D	ADI349R1
MRF454, A			MRF454/D	DS5634
MRF455, A			MRF455/D	DS5685
MRF458, A			MRF458/D	DS5684
MRF460			MRF460/D	DS5500R1
MRF464, A			MRF464/D	DS5669
MRF466			MRF466/D	DS5801
MRF475			MRF475/D	DS5668
MRF476			MRF476/D	DS5700
MRF477			MRF477/D	DS5737
MRF479			MRF479/D	DS5760

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MRF485			MRF485/D	DS5717
MRF486			MRF486/D	DS5738
MRF492, A			MRF492/D	DS5800
MRF497			MRF497/D	DS5761
MRF5003			MRF5003/D	N/A
MRF501	THRU	MRF502	MRF501/D	DS5485
MRF511			MRF511/D	DS5577
MRF515			MRF515/D	DS5590
MRF5160			MRF5160/D	DS5958
MRF517			MRF517/D	DS5646R1
MRF5174			MRF5174/D	DS5559
MRF5175			MRF5175/D	DS5560
MRF521	THRU	MRF522, 524	MRF521/D	DS5929
MRF5211, L			MRF521/D	DS5929
MRF525			MRF525/D	DS5698
MRF526			MRF526/D	DS5809
MRF531			MRF531/D	DS5630
MRF534			MM4049/D	DS5371R2
MRF536			MM4049/D	DS5371R2
MRF542			MRF542/D	DS5918
MRF543			MRF543/D	DS5922
MRF544			MRF544/D	DS5908
MRF545			MRF545/D	DS5917
MRF546			MRF546/D	DS5919
MRF547			MRF547/D	DS5923
MRF548			MRF542/D	DS5918
MRF549			MRF543/D	DS5922
MRF553			MRF553/D	DS5892
MRF555			MRF555/D	DS5921
MRF557			MRF557/D	DS5895
MRF5583			MRF5583/D	DS5963
MRF559			MRF559/D	DS5811
MRF571	THRU	MRF573	MRF571/D	DS5877
MRF5711, L			MRF5711/D	DS5912
MRF580, A	THRU	MRF581, A	MRF580/D	DS5868R1
MRF5812			MRF5812/D	DS5927
MRF586	THRU	MRF587	MRF586/D	DS5879
MRF5943			MRF5943/D	DS5962
MRF604			MRF604/D	DS5603
MRF607			MRF607/D	DS5551R1
MRF626	THRU	MRF627	MRF626/D	DS5618
MRF629			MRF629/D	DS5619
MRF630			MRF630/D	DS5840
MRF641			MRF641/D	DS5676R1
MRF644			MRF644/D	DS5664
MRF646			MRF646/D	DS5662R1
MRF648			MRF648/D	DS5667
MRF650			MRF650/D	DS5964
MRF652			MRF652/D	DS5870
MRF653			MRF653/D	DS5924
MRF654			MRF654/D	DS5893
MRF658			MRF658/D	N/A
MRF660			MRF660/D	DS5728
MRF750			MRF750/D	DS5787
MRF752			MRF752/D	DS5788
MRF754			MRF754/D	DS5789
MRF816			MRF816/D	DS5574
MRF837			MRF837/D	DS5896
MRF8372			MRF8372/D	DS5920
MRF838, A			MRF838/D	DS5749
MRF839, F			MRF839/D	DS5883R1

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MRF840			MRF840/D	DS5750
MRF841, F			MRF841/D	DS5866R1
MRF842			MRF842/D	DS5751
MRF843, F			MRF843/D	DS5889R1
MRF844			MRF844/D	DS5752
MRF846			MRF846/D	DS5753
MRF847			MRF847/D	DS5944
MRF857			MRF857/D	N/A
MRF858			MRF858/D	N/A
MRF860			MRF860/D	N/A
MRF861			MRF861/D	N/A
MRF862			MRF862/D	N/A
MRF870, A			MRF870/D	NP110
MRF873			MRF873/D	DS5928
MRF880			MRF880/D	N/A
MRF890			MRF890/D	DS5839
MRF891			MRF891/D	DS5897
MRF892			MRF892/D	DS5853
MRF894			MRF894/D	DS5857
MRF898			MRF898/D	DS5915
MRF899			MRF899/D	N/A
MRF901			MRF901/D	DS5615R1
MRF9011, L			MRF9011/D	DS5913
MRF904			MRF904/D	DS5645R1
MRF905			MRF905/D	DS5650
MRF911			MRF911/D	ADI342R1
MRF914			MRF914/D	ADI337
MRF931			MRF931/D	ADI362R1
MRF9331, L			MRF9331/D	DS5926
MRF941			MRF941/D	DS5969
MRF9411, L			MRF941/D	DS5969
MRF942			MRF942/D	DS6033
MRF947			MRF947/D	N/A
MRF951			MRF951/D	DS5961
MRF9511, L			MRF951/D	DS5961
MRF952			MRF952/D	DS6003
MRF957			MRF957/D	N/A
MRF961			BFR96/D	DS5714R1
MRF962			BFR96/D	DS5714R1
MRF965			BFR96/D	DS5714R1
MRF966			MRF966/D	DS5875R2
MRFC521			MRF521/D	DS5929
MRFC544			MRF544/D	DS5908
MRFC545			MRF545/D	DS5917
MRFC572			MRF571/D	DS5877
MRFC581, A			MRF580/D	DS5868R1
MRFC966			MRF966/D	DS5875R2
MRFG9661, R			MRFG9661/D	ADI1397
MRFG9801, R			MRFG9801/D	ADI1398
MRFIC1801			MRFIC1801/D	N/A
MRFIC2001			MRFIC2001/D	N/A
MRFIC2002			MRFIC2002/D	N/A
MRFIC2004			MRFIC2004/D	N/A
MRFIC2006			MRFIC2006/D	N/A
MRFIC2101			MRFIC2101/D	N/A
MRFQ17			MRFQ17/D	DS5975
MRFQ19			MRFQ19/D	DS5974
MRL005, 010, 020, 040			MRL005/D	ADH1111
MRQS			MRQS/D	Y93
MRW54602			MRW54602/D	ADH1774
MSA1022-BT1			MSA1022-BT1/D	N/A

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MSA1022-CT1			MSA1022-CT1/D	N/A
MSB1218A-RT1, ST1			MSB1218A-RT1/D	N/A
MSB709-RT1			MSB709-RT1/D	N/A
MSB709-ST1			MSB709-RT1/D	N/A
MSB710-QT1			MSB710-QT1/D	N/A
MSB710-RT1			MSB710-QT1/D	N/A
MSC1621T1			MSC1621T1/D	N/A
MSC2295-BT1			MSC2295-BT1/D	N/A
MSC2295-CT1			MSC2295-BT1/D	N/A
MSC2404-CT1, CT3			MSC2404-CT1/D	N/A
MSC3130T1, T3			MSC3130T1/D	N/A
MSD1328-RT1, RT3			MSD1328-RT1/D	N/A
MSD1678			MDS1678/D	DS3336
MSD1819A-RT1, ST1			MSD1819A-RT1/D	N/A
MSD601-RT1			MSD601-RT1/D	N/A
MSD601-ST1			MSD601-RT1/D	N/A
MSD602-RT1, RT3			MSD602-RT1/D	N/A
MT15FR45			MT15FR45/D	DS3793
MT50BY45			MT50BY45/D	DS3794
MTA2N60E			MTA2N60E/D	N/A
MTB15N06E			MTB15N06E/D	N/A
MTB30N06EL			MTB30N06EL/D	N/A
MTB50N06E			MTB50N06E/D	N/A
MTB75N05HD			MTB75N05HD/D	N/A
MTD10N05E			MTD10N05E/D	DS3813
MTD10N08E			MTD10N08E/D	DS3852
MTD1N40			MTD1N40/D	DS3747
MTD1N45, 1N50			MTD1N45/D	DS3851
MTD2955			MTD2955/D	DS3829
MTD2N20			MTD2N20/D	DS3808
MTD2N50			MTD2N50/D	DS3732
MTD3055E			MTD3055E/D	DS3748
MTD3055EL			MTD3055EL/D	DS3809
MTD4N20			MTD4N20/D	ADI1379
MTD4P05	THRU	MTD4P06	MTD4P05/D	DS3771
MTD5N05	THRU	MTD5N06	MTD5N05/D	DS3772
MTD5N10			MTD5N10/D	DS3850
MTD6N08, 6N10			MTD6N08/D	DS3780
MTD6N15			MTD6N15/D	DS3776
MTD7N20			MTD7N20/D	DS3872
MTG15P10			MTG15P10/D	DS3873
MTG20N20			MTG20N20/D	DS3874
MTG4N100E			MTG4N100E/D	DS3902
MTG9N50E			MTG9N50E/D	DS3903
MTH13N45, 13N50			MTH13N45/D	DS3651
MTH13N50E			MTH13N50E/D	DS3856
MTH15N35, 15N40			MTH13N45/D	DS3651
MTH20P08, 20P10			MTH20P08/D	DS3700
MTH25N08, 25N10			MTH25N08/D	DS3599
MTH25P05	THRU	MTH25P06	MTH25P05/D	DS3781
MTH30N25			MTH30N25/D	DS3814
MTH30N25E			MTH30N25E/D	DS3892
MTH35N05	THRU	MTH35N06	MTH25N08/D	DS3599
MTH35N06E			MTH35N06E/D	DS3763
MTH40N05, 40N06			MTH40N08/D	DS3635
MTH40N08, 40N10			MTH40N08/D	DS3635
MTH50N05E			MTH50N05E/D	DS3798
MTH5N95, 5N100			MTH5N95/D	DS3789
MTH6N100			MTH6N100/D	DS3823
MTH6N100E			MTH6N100E/D	DS3857
MTH6N85, 6N90			MTH6N85/D	DS3790

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MTM7N45, 7N50			MTM7N45/D	DS3420R1
MTM8N35, 8N40			MTM7N45/D	DS3420R1
MTM8N50E			MTM8N50E/D	DS3885
MTM8N90			MTM8N90/D	DS3826
MTM8P18, 8P20			MTM8P18/D	DS3648R1
MTM10N06E			MTM10N06E/D	DS3713
MTM10N08, 10N10			MTM10N08/D	DS3544
MTM10N100E			MTM10N100E/D	DS3853
MTM10N12L, 10N15L			MTM10N12L/D	DS3737
MTM10N25			MTM10N25/D	DS3597
MTM12N05	THRU	MTM12N06	MTM12N05/D	DS3535
MTM12N08, 12N10			MTM12N08/D	DS3539R1
MTM12P05	THRU	MTM12P06	MTM12P05/D	DS3649
MTM12P08, 12P10			MTM12P05/D	DS3649
MTM13N50E			MTM13N50E/D	DS3906
MTM15N05	THRU	MTM15N06	MTM12N08/D	DS3539R1
MTM15N05L	THRU	MTM15N06L	MTM15N05L/D	DS3728
MTM15N35, 15N40			MTM15N35/D	DS3409
MTM15N40E			MTM15N40E/D	DS3931
MTM15N45, 15N50			MTM15N45/D	DS3536
MTM1N95, 1N100			MTM1N95/D	DS3791
MTM20N08, 20N10			MTM20N08/D	DS3572
MTM20P06			MTM20P06/D	DS3782
MTM20P08, 20P10			MTH20P08/D	DS3700
MTM24N45E			MTM24N45E/D	DS3905
MTM24N50E			MTM24N50E/D	DS3854
MTM25N05	THRU	MTM25N06	MTM20N08/D	DS3572
MTM25N05L	THRU	MTM25N06L	MTM25N05L/D	DS3708
MTM25P05	THRU	MTM25P06	MTH25P05/D	DS3781
MTM26N40E			MTM26N40E/D	DS3855
MTM2N85, 2N90			MTM2N85/D	DS3527
MTM2P45, 2P50			MTM2P45/D	DS3418
MTM35N06E			MTH35N06E/D	DS3763
MTM3N75, 3N80			MTM3N75/D	DS3629
MTM3N95, 3N100			MTM3N95/D	DS3682
MTM3P25			MTM3P25/D	DS3696
MTM45N05E			MTM45N05E/D	DS3765
MTM4N45, 4N50			MTM4N45/D	DS3528R1
MTM4N85, 4N90			MTM3N95/D	DS3682
MTM55N08, 55N10			MTM55N08/D	DS3617
MTM5N35, 5N40			MTM4N45/D	DS3528R1
MTM5N95, 5N100			MTH5N95/D	DS3789
MTM5P18, 5P20			MTM5P18/D	DS3650
MTM5P25			MTM5P25/D	DS3705
MTM60N05	THRU	MTM60N06	MTM55N08/D	DS3617
MTM6N80E			MTM6N80E/D	N/A
MTM6N85, 6N90			MTH6N85/D	DS3790
MTM7N45, 7N50			MTM7N45/D	DS3420R1
MTM8N35, 8N40			MTM7N45/D	DS3420R1
MTM8P08, 8P10			MTM8P08/D	DS3537
MTM8P18, 8P20			MTM8P18/D	DS3648R1
MTM8P25			MTM8P25/D	DS3704
MTP10N06E			MTM10N06E/D	DS3713
MTP10N08, 10N10			MTM10N08/D	DS3544
MTP10N10E			MTP10N10E/D	DS3743
MTP10N10M			MTP10N10M/D	DS3816
MTP10N12L, 10N15L			MTM10N12L/D	DS3737
MTP10N25			MTM10N25/D	DS3597
MTP10N35, 10N40			MTP8N45/D	DS3641
MTP10N40E			MTP10N40E/D	DS3914
MTP12N05	THRU	MTP12N06	MTM12N05/D	DS3535

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MTP12N05E			MTP12N05E/D	DS3761
MTP12N08, 12N10			MTM12N08/D	DS3539R1
MTP12N08L, 12N10L			MTP12N08L/D	DS3779
MTP12N10E			MTP12N10E/D	N/A
MTP12P05	THRU	MTP12P06	MTM10N08/D	DS3544
MTP12P08, 12P10			MTM10N08/D	DS3544
MTP14N05A			MTP14N05A/D	ADI1140
MTP14N05L			BUZ71L/D	DS3848
MTP15N05	THRU	MTP15N06	MTM12N08/D	DS3539R1
MTP15N05E			MTP15N05E/D	DS3758
MTP15N05L	THRU	MTP15N06L	MTM15N05L/D	DS3728
MTP15N06E			MTM15N06E/D	DS3744
MTP15N06E			MTP15N06E/D	N/A
MTP15N08L			MTP15N08L/D	DS3825
MTP16N05A			MTP14N05A/D	ADI1140
MTP1N45, 1N50			MTP1N45/D	DS3579R1
MTP1N55, 1N60			MTP1N55/D	DS3573
MTP1N95, 1N100			MTM1N95/D	DS3791
MTP20N06			MTP20N06/D	DS3934
MTP20N08, 20N10			MTM20N08/D	DS3572
MTP20N10E			MTP20N10E/D	DS3750
MTP20P06			MTM20P06/D	DS3782
MTP23N05L			BUZ10L/D	DS3847
MTP23P06			MTP23P06/D	DS3938
MTP25N05	THRU	MTP25N06	MTM20N08/D	DS3572
MTP25N05E			MTP25N05E/D	DS3753
MTP25N06E			MTP25N06E/D	DS3754
MTP25N08, 25N10			MTP25N08/D	DS3699
MTP25N10E			MTP25N10E/D	DS3755
MTP2955			MTP2955/D	DS3828
MTP2N25			MTP2N25/D	DS3646
MTP2N35, 2N40			MTP1N45/D	DS3579R1
MTP2N60E			MTP2N60E/D	N/A
MTP2N85, 2N90			MTM2N85/D	DS3527
MTP2P45, 2P50			MTM2P45/D	DS3418
MTP3055E			MTP3055E/D	ADI1399R1
MTP3055EL			MTP3055EL/D	DS3807
MTP30N05E			MTP30N05E/D	DS3749
MTP30N06EL			MTP30N06EL/D	N/A
MTP30N08M			MTP30N08M/D	DS3817
MTP33N10E			MTP33N10E/D	N/A
MTP35N06E			MTP35N06E/D	DS3792
MTP36N06E			MTP36N06E/D	DS3969
MTP3N100			MTP3N95/D	DS3697
MTP3N100E			MTP3N100E/D	DS3912
MTP3N50E			MTP3N50E/D	DS3886
MTP3N60E			MTP3N60E/D	REV 1
MTP3N75, 3N80			MTM3N75/D	DS3629
MTP3N95			MTP3N95/D	DS3697
MTP3P25			MTM3P25/D	DS3696
MTP40N06EL			MTP40N06EL/D	DS3834
MTP40N06M			MTP40N06M/D	ADI1419
MTP45N05E			MTM45N05E/D	DS3765
MTP4N08, 4N10			MTP4N08/D	DS3551R1
MTP4N45, 4N50			MTM4N45/D	DS3528R1
MTP4N50E			MTP4N50E/D	DS3884
MTP4N80E			MTP4N80E/D	DS3913
MTP4N85, 4N90			MTP3N95/D	DS3697
MTP50N05E			MTP50N05E/D	N/A
MTP50N05EL			MTP50N05EL/D	DS3831
MTP50N06E			MTP50N06E/D	REV 1



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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MTP5N05	THRU	MTP5N06	MTP4N08/D	DS3551R1
MTP5N35, 5N40			MTM4N45/D	DS3528R1
MTP5N40E			MTP5N40E/D	DS3883
MTP5P18, 5P20			MTM5P18/D	DS3650
MTP5P25			MTM5P25/D	DS3705
MTP6N55, 6N60			MTP6N55/D	DS3642
MTP6N60E			MTP6N60E/D	DS3907
MTP7P05	THRU	MTP7P06	MTP7P05/D	DS3701R1
MTP8N10E			MTP8N10E/D	DS3745
MTP8N15L			MTP8N15L/D	DS3827
MTP8N45, 8N50			MTP8N45/D	DS3641
MTP8N50E			MTP8N50E/D	DS3909
MTP8P08, 8P10			MTM8P08/D	DS3537
MTP8P20			MTP8P20/D	DS3932
MTP8P25			MTM8P25/D	DS3704
MTS102, 103, 105			MTS102/D	REV 2
MTW14N50E			MTW14N50E/D	N/A
MTW16N40E			MTW16N40E/D	DS3921
MTW20N50E			MTW20N50E/D	N/A
MTW32N20E			MTW32N20E/D	N/A
MU2646			MU2646/D	DS2530
MU4891	THRU	MU4894	MU4891/D	DS2505
MUN2111T1	THRU	MUN2113T1	MUN2111T1/D	REV 3
MUN2211T1	THRU	MUN2213T1	MUN2211T1/D	REV 3
MUN5111T1	THRU	MUN5114T1	MUN5111T1/D	N/A
MUN5211T1	THRU	MUN5214T1	MUN5211T1/D	N/A
MUR10005CT, 10010CT			MUR10005CT/D	ADI1061
MUR10015CT, 10020CT			MUR10015CT/D	ADI1061
MUR10120E			MUR10120E/D	DS6194
MUR10150E			MUR1050E/D	DS6198
MUR105, 110, 115			MUR105/D	DS3533R2
MUR120, 130, 140			MUR105/D	DS3533R2
MUR150, 160, 170			MUR105/D	DS3533R2
MUR1605CT, 1610CT, 1615CT			MUR1605CT/D	DS6135R1
MUR1605CTR, 1610CTR			MUR1605CTR/D	DS6188
MUR1616CTR, 1620CTR			MUR1605CTR/D	DS6188
MUR1620CT, 1630CT, 1640CT			MUR1605CT/D	DS6135R1
MUR1650CT, 1660CT			MUR1605CT/D	DS6135R1
MUR170E, 180E			MUR170E/D	DS6180
MUR180, 190, 1100			MUR105/D	DS3533R2
MUR190E, 1100E			MUR170E/D	DS6180
MUR20005CT, 20010CT			MUR20005CT/D	ADI1141
MUR20015CT, 20020CT			MUR20005CT/D	ADI1141
MUR20030CT, 20040CT			MUR20030CT/D	DS6172
MUR2505, 2510			MUR2505/D	DS7064
MUR2515, 2520			MUR2505/D	DS7064
MUR30100E			MUR30100E/D	DS6193
MUR3020, 3030, 3040			MUR3020/D	DS6177
MUR3020WT			MUR3060WT/D	N/A
MUR3040WT			MUR3060WT/D	N/A
MUR3060			MUR3060/D	N/A
MUR3060WT			MUR3060WT/D	N/A
MUR3080			MUR3060/D	N/A
MUR405, 410, 415, 420			MUR405/D	DS6149R2
MUR4100			MUR405/D	DS6149R2
MUR430, 440, 450, 460			MUR405/D	DS6149R2
MUR470, 480, 490			MUR405/D	DS6149R2
MUR470E, 480E, 490E, 4100E			MUR470E/D	DS6179R1
MUR5005, 5010, 5015, 5020			MUR5005/D	DS7065
MUR6020, 6030, 6040			MUR6020/D	DS6178
MUR605CT, 610CT			MUR605CT/D	DS6145

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MUR615CT, 620CT			MUR605CT/D	DS6145
MUR805, 810, 815, 820			MUR805/D	DS6136R2
MUR830, 840, 850, 860			MUR805/D	DS6136R2
MUR870			MUR805/D	DS6136R2
MUR870E			MUR870E/D	DS6176
MUR880, 890, 8100			MUR805/D	DS6136R2
MUR880E, 890E, 8100E			MUR870E/D	DS6176
MURB1620CT			MURB1620CT/D	N/A
MURB1660CT			MURB1660CT/D	N/A
MURD305, 310, 315, 320			MURD305/D	DS6163
MURD605CT, 610CT			MURD605CT/D	DS6162
MURD615CT, 620CT			MURD605CT/D	DS6162
MURF1620CT			MURF1620CT/D	N/A
MURF1660CT			MURF1660CT/D	N/A
MURF820			MURF820/D	N/A
MURH840CT			MURH840CT/D	DS6191
MURH860CT			MURH860CT/D	N/A
MURHB840CT			MURHB840CT/D	N/A
MURS105T3, 110T3, 115T3			MURS105T3/D	DS6182
MURS120T3, 130T3, 140T3			MURS105T3/D	DS6182
MURS150T3, 160T3			MURS105T3/D	DS6182
MURS305T3	THRU	MURS360T3	MURS305T3/D	DS6184
MV104, G			MV104/D	DS8542R1
MV109			MV109/D	DS8546R1
MV1401			MV1401/D	DS8022
MV1403, H	THRU	MV1405, H	MV1401/D	DS8022
MV1620	THRU	MV1650	MV1620/D	DS8517R1
MV1866, 1868, 1870			MV1866/D	DS8543
MV1871, 1872			MV1866/D	DS8543
MV1874, 1876, 1877, 1878			MV1866/D	DS8543
MV209			MV209/D	DS8548R1
MV210			MV210/D	DS8552
MV2301	THRU	MV2308	MV2301/D	DS8536R1
MV3102	THRU	MV3103	MV3102/D	DS8541
MV3140	THRU	MV3142	MV3140/D	DS8540
MV3501	THRU	MV3507	MV3501/D	DS8539
MV409			MMBV409/D	DS2743
MV7005T1, T3			MV7005T1/D	REV 2
MV7404T1			MV7404T1/D	N/A
MVAM108, 109, 115, 125			MVAM108/D	DS8016R2
MVS240			MVS240/D	DS7047
MVS460			MVS460/D	DS7043
MWA0204, 0211, L, 0270			MWA0204/D	DS5940
MWA0304, 0311, L, 0370			MWA0304/D	DS5949
MWA110, 120, 130			MWA110/D	DS5712R1
MWA210, 220, 230			MWA210/D	DS5763
MWA5121			MWA5121/D	DS5891
MWA5121			MWA5121/D	DS5891
MWA5157			MWA5157/D	DS5907
MXF930, 960, 990			MXF930/D	ADI1316
MXR571			MPS571/D	DS4640
MXR911			MPS911/D	DS4642
MZ4099	THRU	MZ4104	MZ4099/D	DS7089
MZ4614	THRU	MZ4627	MZ4099/D	DS7089
MZ5520B	THRU	MX5530B	MZ5520B/D	DS7088
MZ600 series			MZ600/D	DS8006R2
MZC1.8B10	THRU	MZC200B10	MZC2.4A10/D	DS1513R3
MZC2.4A10	THRU	MZC200A10	MZC2.4A10/D	DS1513R3
MZP4727	THRU	MZP4764	MZP4727/D	N/A
MZP4728	THRU	MZP4764	MZP4728/D	DS7079
MZT2970	THRU	MZT3015	MZT2970/D	DS7068

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
MZT3305	THRU	MZT3350	MZT3305/D	ADI1116
MZT4549	THRU	MZT4554	MZT3305/D	ADI1116
NE565N			NE565N/D	DS9514
NE592			NE592/D	DS9430
NTC			NTC/D	N/A
OP-27			OP-27/D	DS9600R2
P6KE6.8, A	THRU	P6KE200, A	P6KE6.8/D	REV 1
P6SMB6.8AT3	THRU	P6SMB200AT3	P6SMB6.8AT3/D	REV 2
PA900-19-100L			PA900-19-100L/D	N/A
PA900-19-60L			PA900-19-60L/D	N/A
PA900-45-10LGC			PA900-45-10LGC/D	N/A
PAM225-42-10LA			PAM225-42-10LA/D	DS5999
PAN0105-50-50-LAS			PAA01055050LAS/D	REV 1
PAN0810-38-100AB, AM			PAA081038100AB/D	REV 1
PAN0810-40-50L, LAM			PAA08104050L/D	REV 1
PAN0810-52-100AB, AM			PAA081052100AB/D	REV 1
PAN0810-54-50LAS, LSM			PAA08105450LAS/D	REV 1
PPCARCH32 (PowerPC)			PPCARCH32/D	REV 1
PPCCOMPMPACPC			PPCCOMPMPACPC/D	N/A
PPCSim603			PPCSIM603/D	N/A
PZT2222AT1, AT3			PZT2222AT1/D	REV 1
PZT2907AT1, AT3			PZT2907AT1/D	REV 3
PZT651T1			PZT651T1/D	N/A
PZT751T1			PZT751T1/D	N/A
PZTA13T1, T3			PZTA13T1/D	ADI1495
PZTA14T1, T3			PZTA14T1/D	N/A
PZTA42T1, T3			PZTA42T1/D	REV 2
PZTA63T1, T3			PZTA63T1/D	ADI1495
PZTA64T1, T3			PZTA64T1/D	REV 3
PZTA92T1,T3			PZTA92T1/D	REV 2
PZTA96T1, T3			PZTA96T1/D	REV 1
REEL PACK STD.			LEAD-TAPE-PKG/D	PZR-110
RF3094	THRU	RF3096	RF3094/D	DS6053
SA5.0	THRU	SA170A	SA5.0/D	REV 1
SAA1042, A			SAA1042/D	REV 1
SC136 series			SC136/D	DS6607
SC141			SC141/D	DS6593
SC143 series			SC143/D	DS3691
SC146			SC141/D	DS6593
SC149 series			SC143/D	DS3691
SC245	THRU	SC246	SC245/D	DS6594
SC250	THRU	SC251	SC250/D	DS6595
SC260	THRU	SC261	SC260/D	DS6596
SD41			1N6095/D	DS6127
SD51			1N6097/D	DS6128
SE592			NE592/D	DS9430
SG1525A			SG1525A/D	DS9584R2
SG1526			SG1526/D	DS9586R2
SG2527A			SG1525A/D	DS9584R2
SG3525A			SG1525A/D	DS9584R2
SG3526			SG1526/D	DS9586R2
SG3527A			SG1526/D	DS9586R2
SN74LS724			SN74LS724/D	ADI739
SN75173, 75			SN75173/D	DS9743
SOJ Packages			TRMEM/D	DS9918
SPDPRDCAL			SPDPRDCAL/D	REV 1
STD. EPITAXIAL WAFERS			STD/EPI/WFR/D	DS1102
T2300P series	THRU	T2302P series	T2300P/D	DS6603
T2322 series	THRU	T2323 series	T2322/D	DS3388
T2327 series			T2322/D	DS3388
T2500			T2500/D	DS6597

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
T2500BFP, DFP, MFP, NFP			T2500BFP/D	ADI1387
T2800			T2800/D	DS6598
T2801			T2801/D	DS6599
T2802			T2800/D	DS6598
T4120			T4120/D	DS6600
T4121			T4121/D	DS6601
T6400			T6400/D	DS6592
T6401			T6401/D	DS6602
T6410			T6400/D	DS6592
T6411			T6401/D	DS6602
T6420			T6400/D	DS6592
T6421			T6401/D	DS6602
TCA0372			TCA0372/D	N/A
TCA3385			TCA3385/D	N/A
TCA4500A			TCA4500A/D	ADI558R1
TCA5600			TCA5600/D	ADI1362
TCF5600			TCA5600/D	ADI1362
TCF6000			TCF6000/D	ADI1166
TDA1185A			TDA1185A/D	DS9639R1
TDA1190P, Z			TDA3190P/D	DS9438R2
TDA1285A			TDA1285A/D	DS9640
TDA1524A			TDA1524A/D	DS9700
TDA2002, A			TDA2002/D	DS9445R1
TDA3190P			TDA3190P/D	DS9438R2
TDA3301B, 3303			TDA3301B/D	NP529
TDA3330			TDA3330/D	DS9663
TDA4600			TDA4600/D	DS9642
TDA4601			TDA4601/D	ADI1447R1
TIL111	THRU	TIL119	H11A1/D	DS8018
TIP110	THRU	TIP112	TIP110/D	DS3321R1
TIP115	THRU	TIP117	TIP110/D	DS3321R1
TIP120	THRU	TIP122	TIP120/D	DS3297R2
TIP125	THRU	TIP127	TIP120/D	DS3297R2
TIP140	THRU	TIP142	TIP140/D	DS3390
TIP145	THRU	TIP147	TIP140/D	DS3390
TIP29, A, B, C	THRU	TIP30, A, B, C	TIP29/D	DS3320R1
TIP2955			TIP3055/D	DS3576
TIP29D, E, F	THRU	TIP30D, E, F	TIP29D/D	DS3602
TIP3055			TIP3055/D	DS3576
TIP31, A, B, C	THRU	TIP32, A, B, C	TIP31/D	DS3316R1
TIP31D, E, F	THRU	TIP32D, E, F	TIP31D/D	DS3603
TIP33, A, B, C	THRU	TIP34, A, B, C	TIP33/D	DS3575
TIP35, A, B, C	THRU	TIP36, A, B, C	TIP35/D	DS3406
TIP41, A, B, C	THRU	TIP42, A, B, C	TIP41/D	DS3296R1
TIP41D, E, F	THRU	TIP42D, E, F	TIP41D/D	DS3604
TIP47	THRU	TIP50	TIP47/D	DS3322R1
TL061	THRU	TL062, 64	TL061/D	DS9691
TL071	THRU	TL072, 74	TL071/D	DS9602
TL081	THRU	TL082, 84	TL081/D	DS9601
TL431, A series			TL431/D	N/A
TL494			TL494/D	DS9559R1
TL594			TL594/D	ADI1400
TL780 series			TL780/D	DS9632
TPU (Prog. Lib.)			TPUPN00/D	REV 1
TPUPN01			TPUPN01/D	REV 1
TPUPN02			TPUPN02/D	REV 1
TPUPN03			TPUPN03/D	N/A
TPUPN04			TPUPN04/D	N/A
TPUPN05			TPUPN05/D	N/A
TPUPN06			TPUPN06/D	N/A
TPUPN07			TPUPN07/D	N/A
TPUPN08			TPUPN08/D	N/A

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ITEM	THRU	PRODUCT	LITERATURE #	REV #
TPUPN09			TPUPN09/D	N/A
TPUPN10			TPUPN10/D	N/A
TPUPN11			TPUPN11/D	N/A
TPUPN12			TPUPN12/D	N/A
TPUPN13			TPUPN13/D	N/A
TPUPN14			TPUPN14/D	N/A
TPUPN15A			TPUPN15A/D	N/A
TPUPN15B			TPUPN15B/D	N/A
TPUPN17			TPUPN17/D	N/A
TPUPN18			TPUPN18/D	N/A
TPUPN19			TPUPN19/D	N/A
TPUPN20			TPUPN20/D	N/A
TPV6030			TPV6030/D	N/A
TPV8100B			TPV8100B/D	N/A
TPV8200B			TPV8200B/D	N/A
TRMEM			TRMEM/D	N/A
U308	THRU	U310	U308/D	DS5665
UA758A			UA758A/D	DS9550
UA78S40			UA78S40/D	DS9636R1
UAA1016B			UAA1016B/D	DS9641R1
UAA1041			UAA1041/D	DS9682
UC2842A, 43A			UC3842A/D	ADI1418
UC2842B, 43B			UC3842B/D	N/A
UC2844, 45			UC3844/D	ADI1452
UC2844B, 45B			UC3844B/D	N/A
UC3842A, 43A			UC3842A/D	ADI1418
UC3842B, 43B			UC3842B/D	N/A
UC3844, 45			UC3844/D	ADI1452
UC3844B, 45B			UC3844B/D	N/A
ULN2068			ULN2068/D	DS9564
ULN2074			ULN2074/D	DS9570
ULN2801	THRU	ULN2804	ULN2801/D	DS9583
VN10LM			VN10LM/D	ADI1364
VN222LL			VN222LL/D	DS4646
XC68HC27			BR785/D	N/A
XHW572			XHW572/D	NP22R1

ITEM	DESCRIPTION
AN's	
AN-HK-07/H	A High Performance Manual-Tuned AM Stereo Receiver for Automotive Applications
AN-HK-08/H	A Medium Scale PABX
AN1000/D	SENSEFETs For High Frequency Applications
AN1001/D	Understanding SENSEFETs
AN1002/D	A Handsfree Featurephone Design Using the MC34114 & MC34018 Speakerphone ICs
AN1003/D	A Featurephone Design, with Tone Ringer & Dialer, Using the MC34118 Speakerphone ICs
AN1004/D	A Handsfree Featurephone Design Using the MC34114 & MC34114 Speakerphone ICs
AN1006/D	Linearize the Volume Control of the MC34118 Speakerphone
AN1007/D	MC68824 Token Bus Controller to iAPX80186 Interface
AN1008/D	MC68824 Token Bus Controller to MC68010Interface
AN1009/D	Programming the MC1468705F2 EPROM Microcomputer Unit (MCU)
AN1010/D	MC68HC11 EEPROM Programming from a Personal Computer
AN1011/D	MC146805G2 to MC68HC05C4 Conversion
AN1012/D	A Discussion of Interrupts for the MC68000
AN1013/D	MC68606 to Intel iAPX80186 Interface
AN1014/D	Motorola MC68606 to MC68020 Interface
AN1015/D	MC68020 Minimum system configurator
AN1016/D	Infrared Sensing and Data Transmission Fundamentals
AN1019/D	NTSC Decoding using the TDA330, with Emphasis on Cable In/Cable Out Operation
AN1020/D	A High-Performance Video Amplifier for High Resolution CRT App.
AN1021/D	A Hybrid Video Amplifier For High Resolution CRT Applications
AN1022/D	Mechanical and Thermal Considerations in Using RF Linear Hybrid Amplifiers
AN1025/D	Reliability Considerations in Design and Use of RF Integrated Circuits
AN1027/D	Reliability/Performance Aspects of CATV Amplifier Design
AN1028/D	35/50Watt Broadband (160-240MHz) Push-Pull TV Amplifier Band III
AN1029/D	TV Transposers Band IV and V, P = .5 W/1.0W
AN1030/D	1 W/2 W Broadband TV Amplifier, Band IV and V
AN1032/D	How Load VSWR Affects Non-Linear Circuits
AN1033/D	Match Impedances in Microwave Amplifiers
AN1034/D	Three Balun Designs for Push-Pull Amplifiers
AN1037/D	Solid-State Power Amplifier - 300 / Watt, FM
AN1038/D	1.2 V, 40-900 / MHz Broadband Amplifier
AN1039/D	470-860MHz Broadband Amplifier 5W
AN1040/D	Mounting Considerations for Power Semiconductors
AN1041/D	Mounting Procedures for Very High Power RF Transistors
AN1042/D	High Fidelity Switching Audio Amplifiers Using TMOS Power Mosfets
AN1043/D	Spice Model for TMOS Power MOSFETs
AN1043A/D	TMOS Library (Version 2.0) (REV 1)
AN1044/D	MC1378 A Monolithic Composite Video Synchronizer
AN1045/D	Series TRIACS In AC High Voltage Switching Circuits
AN1046/D	Three Piece Solution For Brushless Motion Controller Design (REV 2)
AN1047/D	Electrical Characteristics of the CR2424 and CR2425 CRT Driver Hybrid Amplifiers
AN1048/D	RC Snubber Networks For Thyristor Power Control and Transient Suppression
AN1049/D	The Electronic Control of Fluorescent Lamps
AN1050/D	Designing For Electromagnetic Compatibility (EMC) With HCMOS Microcontrollers
AN1051/D	Transmission Line Effects In PCB Applications
AN1054/D	ISDN System Development Using MC145490EVK/MC145491EVK Development Kits
AN1055/D	M6805 16-Bit Support Macros
AN1057/D	Selecting the Right Microcontroller Unit
AN1058/D	Reducing A/D Errors in Microcontroller Applications
AN1059/D	Pseudo Static RAM Simplifies Interfacing With Microprocessors
AN1060/D	MC68HC11 Bootstrap Mode
AN1061/D	Reflecting on Transmission Line Effects
AN1062/D	Using the QSPI for Analog Data Acquisition
AN1063/D	DRAM Controller for the MC68340
AN1064/D	Use of Stack Simplifies MC68HC11 Programming
AN1065/D	Use of the MC68HC68T1 Real-Time Clock with Multiple Time Bases
AN1066/D	Interfacing the MC68HC05C5 SIOP to an I2C Peripheral
AN1067/D	Pulse Generation and Detection with Microcontroller Units
AN1076/D	Speeding Up Horizontal Outputs

# APPLICATION NOTES

TEM	DESCRIPTION
AN1077/D	Adding Digital Volume Control To Speakerphone Circuits
AN1078/D	New Components Simplify Brush DC Motor Drives (REV 1)
AN1080/D	External-Sync Power Supply with Universal Input Voltage Range for Monitors
AN1081/D	Minimize the "pop" in the MC34119 Low Power Audio Amplifier
AN1082/D	Simple Design for a 4-20 mA Transmitter Interface Using a Motorola Pressure Sensor
AN1083/D	Basic Thermal Management of Power Semiconductors
AN1090/D	Understanding and Predicting Power MOSFET Switching Behavior
AN1091/D	Low Skew Clock Drivers and their System Design Considerations
AN1092/D	Driving High Capacitance DRAMs In An ECL System
AN1093/D	Delay and Timing Methods for CMOS ASICs
AN1095/D	Clock Distribution Techniques for HDC Series Arrays
AN1096/D	Guidelines for Using the Mustang ATPG System
AN1097/D	Calibration-Free Pressure Sensor System
AN1099/D	Test Methodology and Release Issues for HDC Series Gate Arrays
AN1101/D	One-Horsepower Off-Line Brushless Permanent Magnet Motor Drive
AN1102/D	Interfacing Power MOSFETs to Logic Devices
AN1103/D	Using the CR3424 for High Resolution CRT Applications
AN1105/D	A Digital Pressure Gauge Using the Motorola MPX700 Series Differential Pressure Sensor
AN1106/D	Considerations in Using The MHW801 and MHW851 Series RF Power Modules
AN1107/D	Understanding RF Data Sheet Parameters
AN1108/D	Design Considerations for a Two Transistor, Current Mode Forward Converter
AN1120/D	Basic Servo Loop Motor Control Using the MC68HC05B6 MCU
AN1122/D	Running the MC44802A PLL Circuit
AN1123/D	MCS3201 Floppy Disk Controller in MC68000 System
AN1124/D	1 Meg to 4 Meg DRAM Upgrading
AN1125/D	DRAM Interface to the MC88200 M Bus
AN1126/D	Evaluation Systems for Remote Control Devices on an Infrared Link
AN1127/D	High Speed DRAM Design for the 40 MHz MC68EC030
AN1128/D	MC68EC030 40 MHz Minimal System
AN1129/D	Effect of Cache Memory and Latency on MC88100 Performance
AN1200/D	Configuring the M68300 Family Time Processing Unit (TPU)
AN1203/D	A Software Method for Decoding the Output from the MC14497/MC3373 Combination
AN1207/D	The MC145170 in Basic HF and VHF Oscillators
AN1208/D	Parallel I/O Interface to the Neuron® Chip
AN1211/D	Interfacing DACs and ADCs to the NEURON IC
AN1212/D	J1850 Multiplex Bus Com. Using MC68HC705C8 and SC371016 J1850 Com. Interface (JCI)
AN1213/D	16-Bit DSP Servo Control With the MC68HC16Z1
AN1214/D	MC88110 64-Bit External Bus Interface to 16-Bit EPROM
AN1215/D	PID Routines for MC68HC11K4 and MC68HC11N4 Microcontrollers
AN1216/D	Setback Thermostat Design Using the NEURON® IC
AN1217/D	Application Note - Interfacing to the MC88110
AN1218/D	HC05 to HC08 Optimization (REV 1)
AN1219/D	M68HC08 Integer Math Routines
AN1220/D	Optical Character Recognition Using Fuzzy Logic
AN1221/D	Hamming Error Control Coding Techniques with the HC08 MCU
AN1222/D	Arithmetic Waveform Synthesis with the HC05/08 MCUs
AN1223/D	A Zero Wait State
AN1225/D	Fuzzy Logic and the Neuron Chip
AN1226/D	Use of the 68HC705C8A in place of a 68HC705C8 (REV 1)
AN1227/D	Using 9346 Series Serial EEPROMs with 6805 Series Microcontrollers
AN1228/D	Interfacing the HC05 MCU to the MC145051 A/D Converter
AN1300/D	Interfacing Microcomputers to Fractional Horsepower Motors
AN1301/D	Interfacing Analog Inputs to Fractional Horsepower Motors
AN1302/D	Pressure Sensors - Recommended Housing For Very Low Absolute Pressure Measurements
AN1303/D	A Simple 4-20 mA Pressure Transducer Evaluation Board (REV 1)
AN1304/D	Integrated Sensor Simplifies Bar Graph Pressure Gauge
AN1305/D	An Evaluation System for Direct Interface of the MPX5100 Pressure Sensor w/Microprocessor
AN1306/D	Thermal Distortion In Video Amplifiers
AN1307/D	A Simple Pressure Regulator Using Semiconductor Pressure Transducers
AN1308/D	100 and 200 Watt High Fidelity Audio Amplifiers Utilizing a Wideband-Low Feedback Design
AN1309/D	Compensated Sensor Bar Graph Pressure Gauge

<b>ITEM</b>	<b>DESCRIPTION</b>
AN1310/D	Using the MC68332 Microcontroller for AC Induction Motor Control
AN1311/D	Software for an 8-Bit Microcontroller Based Brushed DC Motor Drive
AN1314/D	Automatic Line Voltage Selector
AN1315/D	An Evaluation System Interfacing the MPX2000 Series Pressure Sensors to a Microprocessor
AN1316/D	Frequency Output Conversion for MPX2000 Series Pressure Sensors
AN1318/D	Interfacing Semiconductor Pressure Sensors to Microcomputers
AN1319/D	Design Considerations for a Low Volt. N-Channel H-Bridge Motor Drive
AN1320/D	300 Watt, 100kHz Converter Utilizes Economical Bipolar Planar Power Transistors
AN1321/D	Brushless DC Motor Drive Incorporates Sm. Outline Integrated Cir. Packaged MOSFETs (REV 1)
AN1322/D	Applying Semiconductor Sensors to Bar Graph Pressure Gauges
AN1324/D	A Simple Sensor Interface Amplifier
AN1325/D	Amplifiers for Semiconductor Pressure Sensors (REV 1)
AN1326/D	Barometric Pressure Measurement Using Semiconductor Pressure Sensors
AN1400/D	MC10/100H640 Clock Driver Family I/O SPICE Modelling Kit
AN1401/D	Using SPICE to Analyze the Effects of Board Layout on System Skew
AN1402/D	MC10/100H600 Translator Family I/O SPICE Modelling Kit
AN1403/D	FACT I/O Model Kit
AN1404/D	ECLinPS Circuit Performance at Non-Standard VIH Levels
AN1405/D	ECL Clock Distribution Techniques
AN1406/D	Designing With PECL (ECL at +5.0V)
AN1408/D	Power Dissipation for Active SCSI Terminators (REV 0)
AN1410/D	Configuring and Applying the MC54/74HC4046A Phase-Locked Loop (REV 1)
AN1500/D	IEEE Std. 1149.1 Boundary Scan for H4C™ Arrays
AN1502/D	Embedded RAM BIST
AN1503/D	ECLinPS I/O SPICE Modelling Kit
AN1504/D	Metastability and the ECLinPS™ Family
AN1508/D	High Frequency Design Techniques and Guidelines for Bipolar Gate Arrays
AN1509/D	ASIC Clock Distribution Using A Phase-Locked-Loop (PLL)
AN1510/D	MC34118 Speaker phone
AN1511/D	Applications of the MOC2A40 & MOC2A60 Series POWER OPTO™ ISOLATORS (REV 1)
AN1512/D	TestPAS™ Primer
AN1514/D	H4CPlus™ Series 3.3V/5V Design Considerations
AN1516/D	Liquid Level Control Using a Motorola Pressure Sensor
AN1517/D	Pressure Switch Design with Semiconductor Pressure Sensors
AN1518/D	Using a Pulse Width Modulated Output with Semiconductor Pressure Sensors
AN211A/D	Field Effect Trans in Theory and Practice
AN220/D	FET's in Chopper and Analog Switching Circuits
AN222A/D	The ABCs of Solid-State DC to AC Inverters
AN270/D	Nanosecond Pulse Handling Techniques in IC Intercom
AN273A/D	More Value out of data sheet Integrated Operational Amp
AN294/D	Unijunction Transistor Timers and Oscillators
AN427/D	MC68HC11 EEPROM Error Correction Algorithms in C
AN428/D	Automotive direction indicator with short circuit detection using the UAA1041
AN429/D	MC68332 QSPI interface for the MCM2814 EEPROM
AN430/D	Adding floating point support to an MC68030 high performance system
AN431/D	Temperature measurement and display using the MC68HC05B4 and the MC14489
AN432/D	128K byte addressing with the M68HC11
AN433/D	TV on-screen display using the MC68HC05T1
AN434/D	Serial bootstrap for the RAM and EEPROM1 of the MC68HC05B6
AN435/D	MC68040 Benchmark Board
AN435AD/D	Addendum to AN435 MC68040 Benchmark Board
AN436/D	Error Detection and Correction Routines for M68HC05 devices containing EEPROM
AN437/D	Using the MC68332 Periodic Interrupt Timer
AN438/D	300W, 88-108MHz Amplifier using the TP1940 MOSFETs Push-pull Transistor
AN439/D	Booting an MC68040 from a Single Byte-wide EPROM
AN440/D	MC68HC805B6 and MC68HC705B5 Serial/Parallel Programming Module
AN441/D	MC68HC05E0 EPROM Emulator
AN442/D	Living LCDs with M6805 Microprocessors
AN444/D	An MC68040-based Zero Wait State Evaluation System
AN445/D	Software Model for Implementation of I.430 ISDN Phy. Layer on MC145474/5 S/T bus Trans.
AN446/D	MCM2814 Gang-programmer using an MC68HC805B6



# APPLICATION NOTES

ITEM	DESCRIPTION
AN447/D	An MC88100/MC88200 20/25/33 MHz system DRAM Design
AN447A/D	Addendum to Broad Band Linear Power Amplifiers using push-pull Transistors
AN448/D	FLOF Teletext using M6805 Microcontrollers
AN449/D	An MC68340 to M88000 MBUS Bus Translator
AN450/D	IC design: a statistical approach to electromigration
AN451/D	An MC68340-based Input/Output Processor Design
AN452/D	Using the MC68HC11K4 Memory Mapping Logic
AN453/D	Serial Peripheral Interface Device Emulation Routine for the MC68340
AN455/D	Using the Table Interpolation features of the CPU32
AN456/D	Using PCbug11 as a Diagnostic Aid for Expanded Mode M68HC11 Systems
AN458/D	A Self-Test Approach for the MC68HC11A/E
AN459/D	A Monitor for the MC68HC05E0
AN461/D	An Introduction to the HC16 for HC11 Users
AN462/D	FET Current Regulators-Circuits and Diodes
AN463/D	Infra-Red Remote Control
AN464/D	Software Driver routines for the Motorola MC68HC05 CAN Module
AN465/D	Secure Remote Control Using the 68HC05K1 and the 68HC05P3
AN471/D	Linking Two MC68302's Via the SCP Interface
AN473/D	A Minimum Evaluation System for the MC68331 and MC68332
AN476/D	CPU16 and the configurable timer module (CTM) in engine control
AN477/D	Simple A/D for MCUs Without Built-in A/D Converters
AN485/D	H/P Audio Amps with Short Circuit Protection
AN489/D	Analysis & B Vasic Oprtn of the MC1595
AN531/D	MC1596 Balanced Modulator
AN535/D	Phase-Locked Loop Design Fundamentals
AN545A/D	Television Vidio IF Amplifier Using Integrated Circuits
AN550/D	Programming the MCM5003/5004 Programmable Read Only Memory
AN556/D	Interconnection Tech for Motorola's MECL 10,000
AN559/D	A Single Ramp Analog-to-Digital Converter
AN567/D	MECL Positive & Negative Logic
AN569/D	Transient Thermal Resistance-General Data and Its use
AN575A/D	Variable Speed Control System for Induction Motors
AN581/D	An MSI 500 MHz Frequency Counter Using MECL and M TTL
AN587/D	Analysis and Design of the Op Amp Current Source
AN593/D	Broad Band Linear Power Amplifiers using push-pull Transistors
AN595/D	25-Watt and 10-Watt VHF Marine Band Transmitters
AN701/D	Understanding MECL 10,000
AN702/D	High Speed Digital-to-Analog and Analog-to-Digital Techniques
AN703/D	Designing Digitally-Controlled Power Supplies
AN708A/D	Line Driver and Receiver Considerations
AN717/D	Battery-Powered 5-MHz Frequency Counter
AN719/D	A New Approach to Switching Regulators
AN720/D	Interfacing with MECL 10,000 Integrated Circuits
AN721/D	Impedance Matching Networks Applied to RF Power Transistors
AN726/D	Bussing with MECL 10,000 Integrated Circuits
AN730A/D	A High Speed FIFO Memory Using the MCM10143 Register File
AN733/D	A ROM-Digital Approach to PWM-Type Speed Control of AC Motors
AN738/D	NBCD Sign and Magnitude Adder/Subtractor
AN742/D	A 200 MHz Autoranging MECL-McMOS Frequency Counter
AN749/D	Broadband Transformers and Power Combining Techniques for RF
AN753/D	Scanning Logic for RF Scanner-Receivers Using CMOS Integrated Circuits
AN756/D	Crystal Switching Methods For MC12060/12061 Oscillators
AN758/D	A Two-Stage 1kW Solid-State Linear Amplifier
AN759/D	A CMOS Keyboard Data Entry System for Bus Oriented Memory Systems
AN767/D	A Line Operated, Regulated 5 V/50 A Switching Power Supply
AN768A/D	CMOS Schmitt Triggers
AN774/D	Simple High Speed Bipolar Microprocessor Illustrates Sys. Design & Microprogram Techniques
AN776/D	The M10800 MECL LSI Processor Family - Three Descriptive Articles
AN779/D	Low Distortion 1.6 to 30MHz SSB Driver Designs
AN781A/D	REVised Data-Interface Standards
AN782/D	Interfacing and Controlling Digital Temperature Data Using the MC6800

ITEM	DESCRIPTION
AN784/D	Transient Power Capability of Zener Diodes
AN790/D	Thermal Rating of RF Power Transistors
AN791/D	A Simplified Approach to VHF Power Amplified Design
AN792/D	M10800 MECL LSI Circuits
AN801/D	Using Input/Output Modules in Industrial Control Applications
AN803/D	The Effect of Emitter-Base Avalanching on High Voltage Power Switching Transistors
AN810/D	Dual 16-bit Ports for the MC68000 using two MC6821s
AN814/D	Using Integrated Detector/Pre-amplifiers in Fiber Optics Systems
AN827/D	The Technique of Direct Programming by Using a Two- Modulus Prescaler
AN829/D	Application of the MC1374 TV Modulator
AN838/D	High Performance Memory Design Technique for the MC68000
AN840/D	Temperature Compensation Methods for the Motorola X-Ducer Pressure Sensor Element
AN843/D	A REVIEW of Transients and Their Means of Suppression
AN846/D	Basic Concepts of Fiber Optics & Fiber Optic Communications (REV 1)
AN847/D	Tuning Diode Design Techniques
AN849/D	Guide to Thyristor Applications
AN853A/D	M146805 CMOS Family Emulators Update
AN854/D	The MC68230 Parallel Interface/Timer Provides an Effective Printer Interface
AN857/D	MC68705P3/R3/U3 8-Bit EPROM Microcomputer Programming Module (REV 2)
AN860/D	POWER MOSFET's versus BIPOLAR TRANSISTORS
AN861/D	Power Transistor Safe Operating Area-Special Considerations for Motor Drives
AN862/D	Interfacing Digital Circuits to Thyristor Controlled AC Loads
AN864A/D	Interfacing Multiplexed Bus Peripherals with Non-Multiplexed MPUs
AN868/D	Using High-Speed CMOS Logic for Microprocessor Interfacing
AN869/D	Application Summary for the MC6805R2 Single-Chip Microcomputer with A/D Converter
AN873/D	Understand Power Transistor Dynamic Behavior - $dv/dt$ Effects on Switching and RBSOA
AN875/D	Power Transistor Safe Operating Area-Special Considerations for Switching Power Supplies
AN876/D	Using Power MOSFETs in Stepping Motor Control
AN877/D	Precision Voltage References for the MC10315/MC10317 Flash A-D Converters
AN878/D	VHF MOS Power Applications
AN879/D	MONOMAX - Application of the MC13001 Monochrome Television Integrated Circuit
AN881/D	Dual-Ported RAM for the MC68000 Microprocessor
AN885/D	General Purpose Frequency Counter Using an M6805 HMOS/M146805 CMOS Family
AN890/D	Low Voltage Inhibit (LVI) Capability of the M6805 HMOS Microcomputer (MCU) Family
AN891/D	MC14412/MC145440 Chip Set Sets New Standard in 300 Baud Modem Designs
AN892/D	A Dual-processor system using two MC6809E MPUs on a common bus
AN894A/D	User Considerations for MC146818 Real Time Clock Applications
AN896A/D	Serial I/O, Timer, and Interface Capabilities of the MC68901 Multifunction Peripheral
AN897/D	MC68008 Minimum Configuration System
AN899/D	A Terminal I/F, Printer I/F & Background Printing for a 68K-Based Sys. using the 68681 Duart
AN900/D	Using the M6805 Family On-Chip 8-Bit A/D Converter
AN902/D	A Zero-Crossing Application for the M6805 HMOS Family
AN903/D	User-Callable Self-Check Subroutines for M6805 HMOS/M146805 CMOS Microcomputers
AN905/D	A Transparent DMA using an MC6809E MPU and a MC6844 DMAC
AN906A/D	Self-Programming the MC68701 & the MC68701U4
AN907A/D	Programming the MC1468705G2 Microcomputer EPROM
AN910/D	Self-Contained Self-Check Unit for M6805 Family Single-chip Microcomputers
AN913/D	Designing With TMOS Power MOSFETs
AN915/D	Characterizing Collector-to-Emitter and Drain-to-Source Diodes for Switchmode Applications
AN917/D	Reading and Writing in Floppy Disk Systems Using Motorola Integrated Circuits
AN918/D	Paralleling Power MOSFETs in Switching Applications
AN919/D	Using the Motorola X-ducer Pressure Sensor Data Sheet
AN920/D	Theory & Applications of MC34063 & uA78S40 Switching Regulator Control Circuits (REV 2)
AN921/D	Horizontal APC/AFC Loops
AN922/D	Temperature Compensation, Calibration & Applications of Motorola's X-ducer Pressure Sensor
AN923/D	800MHz Test Fixture Design
AN924/D	Measurement of Zener Voltage to Thermal Equilibrium with Pulsed Test Current
AN925/D	UHF Pre-amplifier Centers on Budget Dual-Gate GaAs FET
AN926/D	Techniques for Improving the Settling Time of a CAC & OP-AMP Combination
AN929/D	Insuring Reliable Performance from Power MOSFETs
AN930/D	High Voltage, High Current, Non-Destructive FBSOA Testing

# APPLICATION NOTES

ITEM	DESCRIPTION
AN932/D	Application of the MC1377 Color Encoder
AN933/D	A Variety of Uses For the MC34012 and MC34017 Tone Ringers
AN935/D	Compensating For Nonlinearity In The MPX10 Series Pressure Transducer
AN936/D	Mounting Techniques, Lead Forming & Testing of Motorola's MPX Series Pressure Sensors
AN937/D	A Telephone Ringer which complies with FCC and EIA Impedance Standards
AN938/D	Mounting Techniques for POWERMACRO Transistor
AN940/D	Telephone Dialing Techniques Using The MC6805
AN941/D	A 2.0MHz MC68B09E System with Transparent Refresh of Dynamic RAM
AN942/D	MC68704P2 8-Bit EPROM Microcomputer Programming Module
AN943/D	UDLT Evaluation Board
AN947/D	MC68881 Floating-Point Coprocessor as a Peripheral in an M68000 System
AN948/D	Data Multiplexing Using the Universal Digital Loop Transceiver and the Data Set Interface
AN949/D	A Voice/Data Modem Using the MC145422/26, MC145428 and MC14403
AN951/D	Drive Optimization for 1.0kV Off-Line Converter Transistors
AN952/D	Ultrafast Recovery Rectifiers Extend Power Transistor SOA
AN953/D	Binary Addition/Subtraction & Binary/BCD Addition Utilizing MCA2500 / ECL Macrocell Array
AN955/D	A Cost Effective VHF Amplifier For Land Mobile Radios
AN956/D	Operation and Application of the SMARTpower Overvoltage and Overtemperature Protectors
AN957/D	Interfacing The Speakerphone To TheMC34010/11/13 Speech Networks
AN958/D	Transmit Gain Adjustments For the MC34014 Speech Network
AN959/D	A Speakerphone With Receive Idle Mode
AN960/D	Equalization Of DTMF Signals Using The MC34014
AN961/D	Interfacing The MPX2000 Series Silicon Pressure Sensors
AN962/D	MPX Pressure Sensors Used For Switch Applications
AN963/D	Interfacing The MC6108 A/D to a Microprocessor
AN964/D	Trigger Design Ideas for Diac Replacements
AN966/D	MC68HC805C4 8-Bit EEPROM Microcomputer P.M.
AN968/D	A Digital Voice/Data Telephone Set
AN970/D	Hardware and Software Interface for theMC8605 X.25 Protocol Controller
AN971/D	Avoiding Bus Contention in Fast Access RAM Designs (REV 1)
AN973/D	Avoiding Data Errors with Fast Static RAMs
AN974/D	MC68HC11 Floating-Point Package
AN975/D	The Interrupt Controlling Capabilities of the MC68901 and the MC68230
AN976/D	A New High Performance Current-Mode Ctrl. Teams Up with Current Sensing Pwr. MOSFETs
AN977/D	Third Generation ECL Macrocell Arrays
AN978/D	Application of the Motorola VDE Approved Optocouplers
AN979/D	Guidelines for Circuit Board Assembly by Motorola Case 349 Opto Products
AN980/D	VHF Narrowband FM Receiver Design Using the MC6662 and MC3363 Receivers
AN981/D	Building Counters with Motorola's Macrocell Arrays
AN982/D	Applications of Zero Voltage Crossing Optically Isolated Triac Drivers
AN983/D	A Simplified Power Supply Design Using the TL494 Control Circuit
AN986/D	Page, Nibble, & Static Column Modes: High-Speed, Serial-Access Options on 1M-Bit + DRAMs
AN987/D	DRAM Refresh Modes
AN991/D	Using the Serial Peripheral Interface to Communicate Between Multiple Microcomputers
AN993/D	Serial-to-Parallel Converter Using the MC68705P3
AN997/D	CONFIG Register Issues Concerning the M68HC11 Family
<b>ANE's</b>	
ANE402/D	130W Ringing Choke Power Supply Using TDA4601
ANE415/D	MC68HC11 Implementation of IEEE-488 Interface for DSP56000 Monitor
ANE416/D	MC68HC05B4 Radio Synthesizer
ANE418/D	MC68HC805B6 Low-Cost EEPROM Microcomputer Programming Module
ANE421/D	MC68HC704P4 8-bit EPROM Microcomputer Programming Module
ANE422/D	An Application Note on a MC68HC04 Based Intruder Deterrent
ANE424/D	50W Cur. Mode Controlled Offline Switch Mode PS Working over 50% duty cycle using UC3842A
ANE425/D	Use of the MC68HC68T1 RTC with M6805 Microprocessors
ANE426/D	An MC68030 32-bit High Performance Minimum System
<b>APR's</b>	
APR1/D	Digital Sine-Wave Synthesis Using the DSP56001/DSP56002 (REV 2)
APR10/D	DSP96002 Interface Techniques and Examples (REV 1)

ITEM	DESCRIPTION
APR11/D	DSP56001 Interface Techniques and Examples (REV 1)
APR12/D	Twin CODEC Expansion Board for the DSP56000 Application Development System
APR14/D	Conference Bridging in Digital Telecom. Environment Using DSP56001/2 (REV 1)
APR15/D	Implementation of Adaptive Controllers on the Motorola DSP56000/DSP56001
APR2/D	Digital Stereo 10-Band Graphic Equalizer Using the DSP56001
APR3/D	Fractional & Integer Arithmetic Using DSP56000 Digital Signal Processors (REV 1)
APR4/D	Implementation of Fast Fourier Transforma on Digital Signal Processors (REV 3)
APR5/D	Implementation of PID Controllers on the Motorola DSP56000/DSP56001
APR6/D	Convolutional Encoding/Viterbi Decoding Using DSP56001 w/V.32 Modem Trellis (REV 1)
APR7/D	Implementing IIR/FIR Filters with Motorola's DSP56000/DSP6001 (REV 2)
APR8/D	Principles of Sigma-Delta Modulation for Analog-to-Digital Converters (REV 1)
APR9/D	Full-Duplex 32-kbit/s CCITT ADPCM Speech Coding on the Motorola DSP56001 (REV 1)
<b>AR's</b>	
AR103/D	Compilation and Pascal on the new Microprocessors
AR108/D	Macrocell Arrays - An Alternative to Custom LSI
AR109/D	Power Transistor Safe Operating Area - Special Considerations for Motor Drives
AR115/D	Biplar OP Amp Achieves JFET-Like Speeds
AR119/D	Dynamic Saturation Voltage A Designer's Comparison
AR120/D	Speeding up the very High Voltage Transistor
AR128/D	ARRAY-BASED Logic Boosts System Performance
AR131/D	BAKER CLAMPS Traditional Concepts updated for third generation Power Transistors
AR133/D	Multichip Power MOSFETS Beat Bipolars at High-current Switching
AR141/D	Applying Power Mosfets in CLASS D/E RF Power Amplifier Design
AR145/D	DPAK-The Power Package for Surfacemount Applications
AR154/D	MUX Wiring: Digital Control for Vehicular Electrical Systems
AR160/D	Lossless Current Sensing with SENSEFETs Enchances Motor Drive
AR164/D	Good RF Construction Practices and Techniques
AR175/D	A Power FET Spice Model from Data Sheet Specs
AR176/D	New MOSFETs Simplify High Power RF Amplifier Design
AR177/D	Proper Testing Can Maximize Performance in Power MOSFETs
AR178/D	Versatile Test Fixture Verifies the Switching of UFR Rectifiers Under High di/dt Conditions
AR179/D	RF Power Transistors Catapult into High-Power Systems
AR180/D	Electronic Ballasts
AR181/D	Bipolar Transistors Excel in Off-Line Resonant Converters
AR183/D	Motorola Grabs Lead in ECL Density, Using Mosaic III
AR194/D	Drive Techniques For High Side N-Channel MOSFETs
AR195/D	Advanced ECL Family Boosts Performance Threefold
AR196/D	Understanding the Power MOSFETs Input Characteristics
AR197/D	Packaging Trends in Discrete Surface Mount Components
AR208/D	Design Philosophy Behind Motorola's MC68000
AR213/D	The MC68881 Floating-point Coprocessor
AR217/D	The Motorola MC68020
AR223/D	SCSI Protocol and Controller Ease Bus Arbitration
AR225/D	Testing Approaches In the MC68020
AR226/D	Designing With the 68008 Microprocessor
AR232/D	The MC68020 32-Bit MPU: Opening New Application Doors
AR233/D	Software links math chip to 68000-family uPs
AR235/D	MC68000 Microprogrammed Architecture
AR241/D	Building Fast SRAMs with No Process 'Tricks'
AR242/D	A Benchmark Comparison of 32-bit Microprocessors
AR243/D	The 68000 Family
AR244/D	The Floating-Point Performance Standard Gets Even Faster!
AR254/D	Phase-Locked Loop Design Articles
AR255/D	Simplified Remote Control Circuits
AR256/D	Motorola's Radical SRAM Design Speeds Systems 40
AR257/D	Maximize Performance by Choosing Best Memory
AR258/D	High Frequency System Operation Using Synchronous SRAMs
AR259/D	PaineWebber Technology Group
AR260/D	Enhancing System Performance Using Synchronous SRAMs
AR266/D	LCD Driver with Serial Interface

# APPLICATION NOTES

ITEM	DESCRIPTION
AR268/D	Motorola 68020 and Intel 80386 32-Bit Microprocessors
AR270/D	Designing a Cache for a Fast Processor
AR283/D	Motorola's 68040 Boost for Mac, NeXT, and HP/Apollo
AR284/D	96002 Media Engine
AR300/D	The Hidden Dangers of Electrostatic Discharge ESD
AR301/D	Solid-State Devices Ease Task of Designing Brushless DC Motors
AR302/D	Thermal Management of Surface Mount Power Devices
AR305/D	Building Push-Pull, Multioctave, VHF Power Amplifiers
AR306/D	Densest Gate Arrays Ever From LSI Logic, Motorola
AR307/D	Jumbo High-Density Gate Arrays Score A Round of Industry Firsts
AR308/D	Motorola's Arrays Hit A New High: 80 Gate Utilization
AR309/D	High Density ASIC Family Achieves 100 K-Cell Arrays
AR310/D	Software for Sea-of-Gates Arrays Places and Routes over 70% of Available Gates
AR311/D	Catalog-on-a-disk Finds RF Devices Fast
AR312/D	JEDEC Simplifies Selection of BiMOS, CMOS Gate Arrays
AR313/D	Wideband RF Power Amplifier
AR314/D	A 60-Watt PEP Linear Amplifier
AR317/D	Advanced Processing Improves Bipolar Dynamic Saturation
AR319/D	DPAK: A Surface Mount Package for Discreet Power Devices
AR320/D	Automotive Engineering
AR321/D	Current Sensing Simplifies Motor Control Design
AR322/D	High-Voltage Schottky Rectifiers for Power Conversion
AR323/D	Managing Heat Dissipation in DPAK Surface-Mount Power Packages
AR324/D	TAB TAMES High Density Chip I/Os
AR326/D	High Voltage MOSFETS Simplify Flyback Design
AR327/D	MOSFETS Compete With Bipolars in Flyback Power Supplies
AR328/D	Application-Specific Transistors
AR329/D	Gate Change Explains HF Effects of MOSFET Parasitic Capacitances
AR330/D	High Density ECL Arrays Ease System Implementation
AR331/D	Optoisolators For Switching Power Supplies
AR332/D	CDA TM Array Papers
AR333/D	RF Modems Simplified
AR335/D	Ultra-Fast Rectifiers and Inductive Loads
AR336/D	ASIC TAB Packaging Papers
AR338/D	Metal-Backed Boards Improve Thermal Performance of Power
AR339/D	Rejuvenated BiCMOS Satisfies Demands for Performance, Density
AR340/D	The Low Forward Voltage Schottky
AR341/D	Power MOSFET, 1HP Brushless DC Motor Drive Withstands Commutation Stresses
AR345/D	Switches For High-Definition Displays
AR346/D	RF Power FETs Their Characteristics and Applications
AR347/D	A Compact 1-kW 2-50 MHz Solid-State Linear Amplifier
AR348/D	Higher Power Levels in Surface Mount Designs
AR349/D	Vetronics. On the road to SAVA.
AR350/D	Adapt Non-ISDN Terminals To ISDN Data Rates
AR355/D	BYTE - PowerPC
AR356/D	PowerPC: The New Generation of Computing
AR450/D	Trans Suppressors (REV 1)
AR510/D	VSWR Protection of Solid State RF Power Amplifiers
AR511/D	Biasing Solid State Amplifiers to Linear Operation
AR512/D	Gate Arrays Challenge Standard-Cell ASICs
AR513/D	Discrete Component Trends
AR514/D	Build Ultra-Low Dropout Regulator
AR515/D	Motorola's Malaysia Facility
AR517/D	High Resolution Position Sensor for Motion Control System
AR518/D	Gate Arrays Simplify Translation Between High Speed Logic Families
AR519/D	Low-skew clock drivers: Which type is best?
AR520/D	Application Specific MultiChip Modules
AR521/D	SENSORS The Journal of Machine Perception
AR522/D	Global ASIC Service Quarterly Report 2Q93
AR523/D	An Overview of Surface Mount Technology (SMT) for Power Supply Applications
AR524/D	EDN Pick the right package for your next ASIC design

# APPLICATION NOTES

ITEM	DESCRIPTION
<b>ARE's</b>	
ARE402/D	The Electronic Control of Fluorescent Tubes
<b>BF's</b>	
BF8105/D	MC145026 & MC145027 Remote Control System
<b>DC's</b>	
DC004/D	Avoiding Transmit Underruns in a TBC-Based System
DC407/D	Interfacing MC68020 and MC68030 to DSP56001 Host Port
DC408/D	MC88110 Single Stepping Code Example
DC409/D	FDDI Chip Set Interface to an 80486 System
DC410/D	Fuzzy Logic - A New Approach to Embedded Control Solutions
<b>DCE's</b>	
DCE402/D	MC68030 25 MHz Benchmarking Board
DCE403/D	Interfacing 25MHz MC68030 to a 20MHz MC68882
DCE404/D	Hardware Trap for MC68000
DCE406/D	Interface for MC68000 to DSP56001 Host Port
<b>EB's</b>	
EB101/D	The MOC3011 and MOC3022
EB104/D	Get 600 watts RF from four Power Fets
EB105/D	A 30 watt, 800 MHz Amplifier Design
EB106/D	The SIDAC, A New High Voltage Trigger That Reduces Circuit Complexity And Cost
EB107/D	Mounting Considerations for Motorola RF Power Modules
EB108/D	Relative Efficiencies of Power Semiconductors in a PWM DC Motorola Controller
EB109/D	Low Cost UHF Device Gives Broadband Performance a 3.0Watt Output
EB116/D	Chip-Select Generation for a 33.33-MHz MC68030 Microprocessor and a 33.33-MHz MC68882
EB117/D	P-Bus Flexibility Using PCE
EB121/D	SCR Improves DC Motor Controller Efficiency
EB123/D	A Simple Brush Type DC Motor Controller (REV 1)
EB124/D	MOSFFTS Complete With Bipolars In Flyback Power Supplies
EB125/D	Testing Power MOSFET Gate Charge
EB126/D	Ultra-Rapid Nickel-Cadmium Battery Charger
EB128/D	Simple, Low-Cost Motor Controller
EB129/D	Snubbers For High Power Semiconductors
EB130/D	An Evaluation Board for the MPX2000 Series Pressure Sensors
EB131/D	Curve Tracer Measurement Techniques for Power MOSFETs
EB141/D	Boost MOSFETs Drive Current in Solid State AC Relay
EB142/D	The MOSFET Turn-Off Device - A New Circuit Building Block
EB146/D	Neuron Chip Quadrature Input Function Interface
EB147/D	LonWorks Installation Overview
EB148/D	Enhanced Media Access Control with Echelon's LonTalk Protocol
EB149/D	Optimizing LonTalk Response Time
EB150/D	Neuron Chip RS-485 Transceiver
EB151/D	Scanning a Keypad with the Neuron Chip
EB152/D	How to Use SNVTs in LonWorks Applications
EB153/D	Driving a Seven Segment Display with the Neuron Chip
EB155/D	Echelon Analog-to-Digital Conversion with the Neuron Chip
EB157/D	Echelon Creating Applications with the LonBuilder Multi-Function I/O Kit
EB159/D	Echelon Neuron Chip-based Installation of LonWorks Networks
EB160/D	Echelon Neuron Chip Input/Output Timing Specification
EB161/D	Echelon LonTalk Protocol
EB162/D	Programming Tips
EB163/D	Running the MC88110 in Lockstep
EB164/D	Interrupt Latency in the MC88110
EB165/D	Hardware Implications of xmem as a st followed by a ld
EB20/D	True RMS Detector
EB200/D	Evaluation Board for MOC2A40, MOC2A60 Series - Optically Isolated Zero Volt. Turn-on Triacs
EB201/D	High Cell Density MOSFETs
EB27A/D	Get 300 Watts PEP Linear Across 2 to 30 MHz from this Push-Pull Amplifier

## APPLICATION NOTES

ITEM	DESCRIPTION
EB29/D	The Common Emitter TO-39 and Its Advantages
EB30/D	Sensitive Gate SCE - Don't Forget the Gate Cathode Resistor
EB38/D	Measuring The Intermodulation Distortion of Linear Amplifiers
EB400/D	Secure Single Chip Microcomputer Manufacture
EB401/D	SCAM modules for Smart Cards
EB402/D	Smart Card product packaging, MC6805SC01, MC68HC05SC11, and MC68HC05SC21
EB403/D	Smart Card bootstrap loader, MC68HC05SC21B
EB404/D	Memories Are Made of This... a look at memory considerations for Smart Card applications
EB405/D	SMART CARDS: how to deal yourself a winning hand
EB406/D	Getting Started with the FDDI ADS Board
EB407/D	Basic Halogen Converter
EB408/D	MC68HC705T3 Bootloader
EB47/D	Event Counter and Storage Latches for High-Frequency, High- Resolution Counters
EB48/D	T Time Base & Control Logic Subsystem for High-Frequency, High-Resolution Counters
EB51/D	Successive Approximation BCD A/D Converter
EB51/D	Communications Engineering Bulletin Successive Approximation BCD A/D Converter
EB54/D	A Simple One Phase-REVersal Detection Circuit
EB59/D	Predict Frequency Accuracy for MC12060 and MC12061 Crystal Oscillator Circuit
EB77/D	A 60-Watt 225-400 MHz AMP 2N6439
EB79/D	Techniques for accurately measuring the gain band with product of power transistors
EB85A/D	Full Bridge Switching Power Supplies
EB89/D	A 1-Watt 2.3 GHz Amplifier
EB90/D	Low-Cost VHF Amp has Broadband Performance
EB91/D	Use of Inverse - Parallel SCR's
EB93/D	60-Watt VHF Amplifier uses Splitting/Combining Techniques

## AUSTIN - CHIP MANUALS

ITEM	CQ	DESCRIPTION
ADCRM/AD	120	Analog-to-Digital Converter RM
CPU08RM/AD	30	HC08 M68HC08 Central Processor Unit RM
CPU16RM/AD	24	M68HC16 Family CPU16 Central Processing Unit RM (REV 2)
CPU32RM/AD	34	M68300 Family Central Processor Unit RM (REV 1)
CTMRM/D	50	Modular Microcontroller Family CTM Configurable Timer Module Reference Manual
DLE404/D	†	M6804 MCU Manual
DSP56000UM/AD	18	Digital Signal Processor UM (REV 2)
DSP56002UM/AD	34	DSP56002 Digital Signal Processor User's Manual (REV 1)
DSP56004UM/AD	60	DSP56004 Digital Signal Processor UM
DSP56100FM/AD	24	DSP56100 Digital Signal Processor Family Manual
DSP56156UM/AD	42	DSP56156 Digital Signal Processor User's Manual (REV 1)
DSP56166UM/AD	50	DSP56166 UM
DSP56KFAMUM/AD	20	DSP56000 Digital Signal Processor Family Manual
DSP96002UM/AD	16	IEEE Floating-Point Dual-Port Processor UM
DSP96002UMAD/AD		Addendum to DSP96002 Digital Signal Processor UM
GPTRM/AD	90	General Purpose Timer RM
LONUG/AD	20	LonBuilder User's Guide
M68000FR/AD	12	M68000 Family Reference
M68000PM/AD	16	Programmer's PM Includes C.P.U. 32 (REV 1)
M68000UM/AD	44	M68000/8-/16-/32-Bit MPU User's Manual Ninth Edition (REV 8)
M68020UM/AD	36	M68020, MC68EC020 Microprocessors UM
M68040UM/AD	20	MC68040, MC68EC040, MC68LC040 Microprocessors UM (REV 1)
M6805UM/AD3	44	M6805 HMOS M146805 CMOS UM (REV 3)
M6809PM/AD	19	MC6809-MC6809E PM
M68EC030UMAD/AD	†	Addendum to MC68EC030 32-Bit Embedded Controller UM
M68HC05AG/AD	36	HC05 Applications Guide (REV 1)
M68HC05TB/D	46	HC05 K Series Understanding Small Microcontrollers
M68HC11RM/AD	24	HC11 RM (REV 3)
M68PRM/D	32	M6800 Programming RM
MC6801L1UM/AD	50	LILbug Monitor for the MC6801L1 UM

# AUSTIN - CHIP MANUALS

ITEM	CQ	DESCRIPTION
MC6801RM/AD2	10	8-Bit Single-Chip Microcomputer RM (REV 10)
MC68030UM/AD	18	MC68030 UM (REV 2)
MC68040DH/AD	7	MC68040 Designer's Handbook Preliminary Version
MC68302UM/AD	24	Integrated Multiprotocol Processor UM (REV 2)
MC68302UMAD/AD	†	Errata to MC68302 UM (REV 1)
MC68306UM/AD	44	MC68306 Integrated EC000 Processor User's Manual
MC68330UM/AD	44	MC68330 UM
MC68331UM/AD	34	MC68331 UM (REV 1)
MC68332UM/AD	32	MC68332 UM (REV 1)
MC68340UM/AD	28	MC68340 UM (REV 1)
MC68341UM/AD	24	MC68341 Integrated Processor User's Manual
MC68349UM/AD	30	MC68360 UM
MC68360UM/AD	12	MC68360 Quad Integrated Communications Controller UM
MC68360UMAD/AD		Errata & Added Info to MC68360 QUad Integrated Communication Controller UM (REV 2)
MC68488UM/AD	30	General Purpose Interface Adapter (GPIA) UM
MC68605UM/AD	52	MC68605 X.25 UM
MC68606UM/AD	30	MC68606 UM
MC68824UM/AD	36	MC68824 UM (REV1)
MC68836UM/AD	154	MC68836 UM
MC68837UM/AD	90	FDDI Fiber Distributed Data Interface UM MC68837
MC68838UM/AD	80	MC68838 FDDI User's Manual
MC68840UM/AD	28	FDDI Fiber Distributed Data Interface User's Manual MC68840 IFDDI
MC68840UMAD/AD	†	Addendum to MC68840 Integrated FDDI UM
MC68847UM/AD	80	FDDI Fiber Distributed Data Interface User's Manual MC68847 QUAD ELM
MC68851UM/AD	24	MC68851 UM (REV 1)
MC68881UM /AD	26	MC68881/2 UM (REV 2)
MC68EC030UM/AD	24	EC030 32-Bit Embedded Controller UM
MC68F333UM/AD	30	MC68F333 User's Manual
MC68HC16Y1UM/AD	34	M68HC16 Family MC68HC16Y1 UM
MC68HC16Z1UM/AD	30	MC68HC16Z1 UM
MC68HC16Z2UM/AD	30	M68HC16 Family MC68HC16Z2 UM
MC88100UM/AD	36	RISC Microprocessor UM (REV 1)
MC88100UMAD/AD	†	Errata to MC88100 UM Second Edition UM/AD (REV 1)
MC88110/410DH/AD	12	MC88110/MC88410 Designer's Handbook
MC88110UM/AD	22	MC88110 UM
MC88110UMAD/AD	†	Errata to MC88110 Second Generation RISC Microprocessor UM
MC88200UM/AD	44	Cache/Memory Management Unit UM (REV 1)
MC88200UMAD/D	†	Errata to MC88200 UM
MC88410UM/AD	38	MC88410 Secondary Cache Controller UM
MCCIUM/AD	88	Modular Microcontroller Family MCCI Reference Manual
MPC601UM/AD	10	PowerPC 601 RISC Microprocessor UM
MPC603UM/AD	16	PowerPC™ 603 RISC Microprocessor User's Manual
MPCTOOLBK/AD	48	PowerPC Tools Development Tools for PowerPC Microprocessors
NEURONCPG/AD	16	Neuron C Programmer's Guide
QSMRM/AD	84	Queued Serial Module RM
SCIMRM/AD	46	Single Chip Integration Module RM
SIMRM/AD	48	Modular Microcontroller Family SIM System Integration Module RM
TPURM/AD	60	Modular Microcontroller Family TPU Time Processor Unit Reference Manual (REV 1)

# AUSTIN - INSTRUCTION SET CARDS & PROG. REF. GUIDES

ITEM	DESCRIPTION
M6800/AC	
M6809/AC3	(M6809 - M6809E 8-bit microprocessor)
M6840/AC1	
M68HC08RG/AD	HC08 Family Reference Guide
MC68000/AC	(REV 3)
MC6801/AC	(MC6801/68701/6803)
MC6845/AC3	
MC68488/AC	



## AUSTIN - INSTRUCTION SET CARDS & PROG. REF. GUIDES

ITEM	DESCRIPTION
MC6854/AC	
MC68HC05CxRG/AD	HC05, C4, C8, C9, 705C8, 805C8, L05C4, L05C8, SC05C4, SC05C8
MC68HC11A8RG/AD	HC11A8 Programming Reference Guide (REV 1)
MC68HC11D3RG/AD	HC11D3, 711D3 Programming Reference Guide
MC68HC11ERG/AD	HC11 E SERIES Programming Reference Guide
MC68HC11F1RG/AD	HC11F1 Programming Reference Guide (REV 2)
MC68HC11K4RG/D	HC11K4-HC711K4 Programming Reference Guide
MC68HC11KA4RG/AD	HC11KA4-HC711KA4 Programming Reference Guide
MC68HC11L6RG/AD	HC11L6-HC711L6 Programming Reference Guide
MC68HC11MRG/AD	M68HC11 M Series Programming Reference Guide
MC68HC11NRG/AD	M68HC11 N Series Programming Reference Guide
MC88110PRG/D	MC88110 Programmer's Reference Guide (See Data Sheets Section) (REV 1)
MPC601PRG/D	PowerPC 601 Programmer's Reference Guide

## AUSTIN - EVALUATION MODULE MANUALS

ITEM	DESCRIPTION
BR1111/D	M68HC705J2/P9PGMR Programmer Board
BR1416/D	Educators Pocket Guide - Creating the Impossible
BR734/D	M68332EVS Evaluation System
BUGATECH/AD1	BUFFALO Bit User's Fast Friendly Aid to Logical Operation Monitor Program Listing RM
HC711D3EVB/AD1	M68HC711D3EVB UM
HC711D3PGMR/AD1	M68HC711D3PGMR UM
HC711E9PGMR/AD1	M68HC711E9PGMR Programmer Board UM
M68331EVK/AD1	M68331EVK Evaluation Kit UM
M68332BCC/AD1	Business Card Computer UM
M68332EVK/AD1	M68332EVK Evaluation Kit UM
M68332EVKEM/AD1	M68332 Evaluation Kit Exercise Manual (APR/91)
M68701EVM/AD3	M68701EVM UM
M68705EVM/AD4	M68705EVM UM
M68705EVM/AD5	M68705EVM UM
M68CPU32BUG/AD1	CPU32 Bug Debug Monitor UM
M68HC05EVM/AD4	HC05EVM UM
M68HC05P8EVS/D1	HC05EVS Evaluation Systems UM
M68HC05P9EVS/D1	M68HC05P9EVS UM
M68HC11EVB/A1	Addendum to M68HC11EVB UM
M68HC11EVB/AN1	EVB Application Note
M68HC11EVB/D1	M68HC11EVB Evaluation Board UM
M68HC11EVB2/AD1	M68HC11EVB2 Evaluation Board UM
M68HC11EVB/AD2	M68HC11EVB Universal Evaluation Board UM
M68HC11EVB/AD7	68HC11 Applications Guidebook
M68HC11EVB/AD7	M68HC11EVB UM
M68HC16Z1EVB/D	M68HC16Z1EVB UM (REV 1)
M68HC99EVM/AD1	M68H099EVM UM
M68PCBUG11/D2	MC68HC11 PC bug11 UM
MCUDEVTLDIR/D	Microcontroller Dev. Tools Directory M68HC05, M68HC08, M68HC11, M68HC16 & M68300
MCUTLBX/D	MCU Toolbox Development Tools For Motorola Microcontrollers (REV 3)

## SPECIAL DOCUMENTS

The following documents are available **ONLY** with the permission of the originating department! They may not be available even if listed in this section. Contact LDC by (Phone/UB/Post) for possible copies.

ITEM	DESCRIPTION
AR's	
AR142S/D	14 Watt AMPL Design
AR156S/D	Mosfet Measures
AR157S/D	Computing SDA

## SPECIAL DOCUMENTS

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ITEM	DESCRIPTION
AR163S/D	Bipolar Transistors
AR165S/D	RF Power Mosfets
AR166S/D	Trends in Power IC
AR169S/D	Sense Cell Mosfets
AR318S/D	Power MOSFETs Improve Brushless DC Motor Drives
AR501S/D	RELIABILITY ISSUES FOR SILICON PRESSURE SENSORS
AR502S/D	THE DESIGN OF A MONOLITHIC, SIGNAL CONDITIONED PRESSURE SENSOR
<b>BR's</b>	
BR1300S/D	Outlook A Sense of Vision or the Future 1Q/92
BR1305S/D	Linear New Product Calendar 2Q/93
BR1436S/D	Six Sigma Process Control Guide to Standardized Process Control Practices
BR325S/D	GI to Motorola
BR376S/D	030 Background
BR932S/D	Smarter, Smaller, Faster, Better... Automotive Solutions
<b>DATA SHEETS</b>	
MOC2A40-10S/D	Optoisolator 2 Amp Zero Cross Triac Output 400 Volts
<b>SG's</b>	
SG112S/D	RF TMOS SG
SG269S/D	Harris to Motorola (Opto)
SGBR932S/D	Motorola Semiconductors For Automotive Electronic Systems

## ASIC SEMICUSTOM CIRCUIT LITERATURE

ITEM	DESCRIPTION
<i>NOTE: These devices are listed alphabetically in order throughout the book. (They are listed for your convenience.)</i>	
<b>BROCHURE/SELECTOR GUIDES/PACK/TECHNICAL PRODUCT OVERVIEWS</b>	
BR1417/D	New Generation OACS 3.0M
BR329/D	MAP Overview (MC68184)
BR334/D	ASIC Overview (REV 5)
BR354/D	Sector Overview (Includes ASIC)
BR357/D	Using EDIF for Designing with Motorola Gate Arrays
BR360/D	ASIC Folder BR391/D Semi-custom Circuit Literature (REV 2)
BR367/D	Semicustom Circuits
BR466/D	Submicron CMOS Gate Arrays For Your Success
<b>DATA SHEETS</b>	
H4C/D	H4C Series CMOS Arrays and the CDA Architecture
HCA62A00/D	HCA62A00 Series
HDC/D	High Density CMOS Series
MC10900/D	MC10900ALU
MC10901/D	MC10901 8x8 Multiplier
MC10902/D	MC10902 Binary/BCD ALU
MC10904/D	MC10904 Micro-Code Sequencer
MC10905/D	MC10905 16-Bit EDAC
MC10951/D	MC10951 12x12 Multiplier
MC68153/D	MC68153 Bus Interrupter Module
MC68184/D	MC68184 BIC (Broadband Interface Controller)
MC68452/D	MC68452 Bus Arbitration Module
MC92005UM/D	MC92005 SBus Slave Interface Controller UM
MCA10000ECL/D	MCA10000 ECL Macrocell Array
MCA1500M/D	MCA1500M Macrocell Array
MCA2500ECL/D	MCA2500ECL Macrocell Array
MCA2800ALS/D	MCA2800ALS Macrocell Array
MCA2800RAM/D	MCA2800RAM Macrocell Array
MCA800ECL/D	MCA800ECL Macrocell Array

ITEM	DESCRIPTION
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*NOTE: These devices are listed alphabetically in order throughout the book. (They are listed for your convenience.)*

**DESIGN MANUALS**

BR107/D	MCA600/1200ECL (REV 1)
BR110/D	MCA500/1300ALS (REV 1)
BR165/D	MCA800/2500 / ECL (REV 1)
BR312/D	MCA2800 RAM/2800ALS (REV 2)
H4CDM/D	H4C Series Design Reference Guide (REV 1)
H4CPDM/D	H4CPlus Series Design Reference Guide
H4CPDMAD/D	H4CPlus Series Design Reference Guide
HCA62A00M/D	MCA62A00 Series (REV 1)
HDCDM/D	High-Density CMOS Arrays (REV 2)
MCA3ECL/D	MCA3/2200/10,000ECL Macrocell Arrays (REV 1)
MCA3ECLAD/D	Errata to MCA3 ECL Series Design Manual (MCA3ECL/D REV 1)
MCA3ETLDM/D	MCA3 ETL Series Design Manual
MCA3ETLDMAD/D	Addendum to MCA3 ETL Series Design Manual (REV 1)

**APPLICATION NOTES**

AN1093/D	Delay and Timing Methods for CMOS ASIC
AN1095/D	Clock Distribution Techniques for HDC Series Arrays
AN1096/D	Guidelines for Using the Mustang ATPG System
AN953/D	Binary Addition/Subtraction & Binary BCD Addition Utilizing MCA2500 / ECL Macrocell Array
AN977/D	Third Generation ECL Macrocell Arrays
AN981/D	Building Counters With Macrocells
AR128/D	Array-Based Logic Boosts System Performance (10900 / Series)
AR183/D	Motorola Leads in ECL Density, Using MOSAIC III
AR307/D	Jumbo High Density Arrays Score Industry Firsts
AR308/D	High-Density Arrays Reach 80 Utilization
AR309/D	High-Density ASIC Family Achieves 100 / K-Cell Arrays
AR310/D	Software for Sea-of-Gates Arrays Places & Routes Over 70 of Available Gates
AR312/D	JEDEC Simplifies Selection of BiMOS, CMOS Gate Arrays
AR330/D	High Density ECL Arrays Ease System Implementation
AR331/D	Optoisolators For Switching Power Supplies
AR522/D	Global ASIC Service Quarterly Report 2Q93

ITEM	CQ	DESCRIPTION
BR101/D	150	Technical Literature and Information Guide 1Q94 (REV 18)
BR107/D	50	MCA600 ECI and MCA1200 ECL MECL 10,000 Macrocell Arrays (REV 1)
BR1100/D	46	MOS Memory Products Division Reliability and Quality Report 4Q93 (REV11)
BR1101/D	250	68HC08 Technical Preview
BR1104/D	350	FDDI Chip Set
BR1105/D	150	DSP Families (REV 1)
BR1107/D	175	LONWORKS Applications Primer
BR1108/D	175	LONWORKS Product Line Brief
BR1109/D	1400	MC68EC0x0 Microprocessor Family (REV 1)
BR1111/D	2900	M68HC705J2/P9PGMR Programmer Board
BR1112/D	325	HC05 (CSIC) & (MCU) Literature (REV 6)
BR1113/D	3000	M68HC705B5PGMR Programmer Board
BR1114/D	800	68300 Integrated Microprocessor Family for Embedded Control (REV 1)
BR1115/D	850	68000 Microprocessor Family (REV 1)
BR1116/D	300	Advanced Microcontroller Unit (AMCU) Literature
BR1118/D	3000	68LC040 MPU
BR1119/D	3000	68EC040 MPU
BR1125/D	1500	The long and short of it. (DRAM) Modules
BR1126/D	1000	Software Summary DSP96KCCx DSP96002 C Cross Compiler (REV G1.1)
BR1127/D	225	RISC 88000 Family
BR1128/D	1000	Software Tool Summary DSP56100CLASx DSP Development Software
BR1130/D	180	MOS Digital-Analog Integrated Circuits Div. Coming Through Loud and Clear
BR1131/D	175	Leadership 2000: Motorola's 68000 Family Through the '90s and Beyond
BR1132/D	100	Motorola CSIC Microcontrollers 68HC05 Sales Guide (REV 1)
BR1133/D	100	High-Performance Internal Product Portfolio Overview Issue 5 1Q94 (REV 4)
BR1134/D	200	Neuron Chips (REV 1)
BR1136/D	†	Motorola Fuzzy Logic
BR1137/D	50	The Explorer's Guide to the World of Embedded Control Solutions
BR1138/D	150	68HC08 CSIC Microcontroller
BR1139/D	125	Advance Information LonWorks Support Tools
BR1140/D	270	PowerPC 603 Microprocessors (REV 1)
BR1141/D	225	Presenting the World's Longest Line of 32-Bit Microprocessors
BR1143/D	375	FSRAM Cross Reference 1Q94
BR1146/D	275	PowerPC™ Family of Microprocessors
BR1147/D	500	PowerPC™ Microprocessor Software by Motorola
BR1148/D	500	Power PC 604™ Microprocessors
BR1153/D	325	The 68060 Family
BR1159/D	350	Motorola's Chisholm LBP Board
BR1201/D	1500	Now Global Optoisolators (REV 2)
BR1202/D	23	QSR Corporate Quality System Review (REV 2)
BR128/D	175	Semiconductor Data Update Winter 94
BR1301/D	400	Motorola and Education Support Program
BR1302/D	1200	The Next Logical Step!
BR1305/D	350	Linear Integrated Circuits 1Q94
BR1305S/D	350	Linear New Products Calendar 4Q93
BR1306/D	250	CATS
BR1307/D	650	Design-NET (REV 8/92)
BR1308/D	†	DMO Surface Mountable Mil-Processed Overview
BR1310/D	250	Our Low-Cost 68HC05 CSICs Can Take Your Designs to New Heights. (REV 1)
BR1330/D	60	ECL in PS Lit Single Gate ECL Devices (REV 1)
BR1331/D	450	ALExIS Bus Interface Solutions (REV 1)
BR1332/D	200	Logic Integrated Circuits Division New Products Calendar 2Q94
BR1333/D	23	Logic Integrated Circuits Division Timing Solutions (REV 3)
BR1334/D	25	Logic Integrated Circuits Division hipercomm High Per. Freq. Control Products (REV 1)
BR1336/D	400	MC22V10 PLD - Introducing the MC11V10 Family
BR1337/D	1200	MC22V10 Ultra Low Power FLASH E2PROM PLD
BR1340/D	1300	The Motorola MPA1000 Fine-Grain FPGA Family
BR135/D	135	Applications & Product Lit Selector Guide & Device Cross Reference 2Q94 (REV 13)
BR1400/D	225	OACS (REV 1)
BR1401/D	500	Military Products Operation Risk Free RISC Ada Supported
BR1402/D	500	Military Products Operation Five Star DSP Ada Supported

# BROCHURES

ITEM	CQ	DESCRIPTION
BR1403/D	1650	Customer Satisfaction Survey
BR1406/D	550	MPO 68332 Ada Supported
BR1409/D	250	ECL300 Logic Array (REV 1)
BR1410/D	†	MAP Metric Awareness Program
BR1411/D	40	World Wide Bar Code Quick Ref. Guide Release 5.1 (REV 2)
BR1412/D	N/A	Motorola Power Products Product/Technology Update
BR1413/D	550	MPO Sleep-Mode On Alert 35102
BR1414/D	150	DMO MIL-Processed Hermetic Power Discrete Semiconductors
BR1415/D	500	MPO Tomorrow's Communications Today!
BR1416/D	175	Educators Pocket Guide
BR1417/D	550	OACS 3.05M Changing the World of ASIC Design (REV 2)
BR1418/D	560	Military Products Operation Analog, Telecom & Special Functions Fact Sheet June 92
BR1420/D	500	Military Products Operation The Next Generation 68040 Ada Supported
BR1421/D	200	Solutions to Your Custom Sensing Needs
BR1422/D	370	Isolators, Survivors in a Hostile World
BR1424/D	150	Automotive Sensor Solutions
BR1426/D	575	MPO 68302 The Great Communicator
BR1427/D	200	PC Brochure
BR1429/D	†	Wideband Linear Amplifiers
BR1430/D	525	56ADC16 A/D Wave Rider
BR1435/D	900	Application Specific MultiChip Modules MCML™ Series
BR1437/D	375	Multichip Module Solutions
BR1439/D	100	Semiconductors For Office Peripheral Systems
BR1442/D	175	HDTMOS™ FETs Step Up to the Next Level of Power Efficiency
BR1443/D	225	State-of-the-Art Communications
BR165/D	40	MCA800 ECL/MCA2500 ECL Macrocell Array (REV 1)
BR191/D	275	Solid-State Foundation For Industrial Automation
BR231/D	650	M68000 Family Technical Literature (REV 8)
BR251/D	150	MC68450 Direct Memory Access Controller (REV 1)
BR259/D	150	MC68008 Tech. Sum.
BR261/D	100	8-Bit MCU & MPU Families (REV 3)
BR263/D	250	MC68230 Tech. Sum. (REV 1)
BR266/D	1000	MC68HC11EVM (REV 3)
BR269/D	150	MC68010 Tech. Sum.
BR272/D	140	MC68605 Preliminary Tech. Sum. (REV 3)
BR278/D	1000	M68HC11EVB Evaluation Board (REV 2)
BR285/D	1000	M68701EVM Evaluation Module
BR291/D	1200	M68705EVM Evaluation Module
BR293/D	1500	Presenting the MC68000KIT
BR297/D	2450	DSP Electronic Bulletin Board (Dr. Bub) (REV 1)
BR298/D	1667	Motorola Semiconductor Products Sector Technical Operations (REV 1)
BR299/D	125	MC68851 Tech. Sum. (REV 2)
BR314/D	†	Audio-Visual Catalog
BR319/D	275	Motorola Information Management Services
BR340/D	2800	Plug-In Module Provides MC68HC11 Development Support for your IBM PC, XT, or AT
BR347/D	350	Bipolar Logic Circuits
BR348/D	350	Technical Training Catalog (REV 11)
BR348AD/D	†	Addendum to Technical Training Catalog (REV 9)
BR378/D	250	Unit/PakSM Packing
BR380/D	200	Bar Code Label Specifications (REV 6)
BR382/D	400	University Support for DSP56000 (REV 1)
BR391/D	1000	ASIC Literature Listing (REV 2)
BR398/D	90	Referral Guide Consultant Program
BR411/D	†	The M68HC11 Microcontroller Family (REV 2)
BR433/D	†	M68HC05 8 Bit Microcontrollers (REV 2)
BR439/D	225	HYPERformance Digital Signal Processors (REV 1)
BR460/D		The European Blue Book 1992 Qualified Semiconductor Products (REV 1)
BR467/D	160	MC68HC705C9/D9 Tech. Sum.
BR468/D	†	Secure MCU Product Packaging MC6805SC01, SC11, SC21 and SC24
BR469/D	275	MC68302 Development Support Tech. Sum.
BR478/D	†	MC68L11 Family Extended Voltage Microcontrollers

# BROCHURES

ITEM	CQ	DESCRIPTION
BR509/D	160	MC68882 Tech. Sum. (REV 3)
BR513/D	1000	MEX68KECB Tech. Sum.
BR517/D	1300	DSP56000ADS Application Development System for DSP56000 Family Products (REV 1)
BR518/D	19	1993 Reliability & Quality Handbook (REV 6)
BR520/D	250	MC68606 Tech. Sum.
BR526/D	1000	DSP56000CLASx Tech. Sum. (REV 1)
BR527/D	175	8-Bit Microcomputer Unit Software Package
BR529/D	175	MC146805G2 Tech. Sum.
BR541/D	1000	Software Summary DSP56KCCx, DSP56000/Family C Language Compiler (REV G1.0)
BR568/D	2000	MCU Freeware Electronic Benetin Board (REV 1)
BR583/D	1000	HYPERmodule Family
BR706/D	1200	M68HC11F1EVM Evaluation Module
BR713/D	120	MC68HC05M4 Tech. Sum.
BR717/D	500	Motorola 88000 Market Potential Study
BR718/D	2000	DSP56ADC16EVB Evaluation Board & Software
BR724/D	21	88open Sourcebook Featuring Certified UNIX Systems and Software (REV 6)
BR725/D	1000	DSP96000CLASX (REV 1)
BR726/D	150	Motorola Data Communications We Have Everybody Talking
BR729/D	20	The 68K Source 1993 Edition
BR733/D	1200	Motorola's 68040 Microprocessor (REV 3)
BR734/D	500	M68300EVS Evaluation System (REV 1)
BR736/D	1250	M68HC11EVB
BR737/D	1000	M68HC711D3EVB Evaluation Board
BR741/D	150	Measurable Differences The Jewelbox Family (CDS8/05)
BR742/D	500	M68000 Family Surface-Mount Packaging Update
BR747/D	2000	RISC Microprocessor Literature (REV 2)
BR748/D	2800	M68HC711D3PGMR
BR749/D	550	DSPP96000ADSx (REV 1)
BR753/D	500	M68340EVS Tech. Sum.
BR756/D	64	MC68332 Tech. Sum. (REV 1)
BR758/D	17	Motorola Univ. Design Contest 1990/91 Student Guidebook (REV 2)
BR767/D	180	MC68HC05C5 Tech. Sum.
BR767AD/D	†	Addendum to MC68HC05C5
BR770/D	115	MC68HC05T1 Tech. Sum.
BR771/D	100	MC68HC05T2 Tech. Sum.
BR773/D	210	MC6805R6 Tech. Sum.
BR774/D	90	MC68HC11L6 Tech. Sum.
BR775/D	90	MC68HC711E9 Tech. Sum.
BR777/D	100	MC68HC11D0, D3 Tech. Sum.
BR778/D	90	MC68HC711D3 Tech. Sum.
BR780/D	90	MC68HC811E2 Tech. Sum.
BR782/D	100	MC68HC711J6 Tech. Sum.
BR784/D	175	MC68HC56/57 Tech. Sum.
BR785/D	175	XC68HC27 Tech. Sum.
BR786/D	700	DSP56156ADSx Application Development System
BR904/D	22	MIL-Processed Devices Technical Data
BR905/D	600	Military Product Portfolio Fast Static RAMs? (REV 2)
BR911/D	600	Military Products Operation 8/16/32 Bit MPU/MCU (REV 4)
BR912/D	500	Military DSP56001
BR913/D	500	The Military 68HC11A0 and 68HC11A1 are Available Now
BR914/D	1300	Military Products Operation MEP Product Flow (REV 1)
BR915/D	500	Military Products Operation Fast Static RAMs
BR916/D	40	Packaging Manual for ASIC Arrays (REV 1)
BR919/D	500	Military Products Operation Motorola's 68030 and 68882
BR922/D	550	Military Products Operation Motorola's 68HC811E2
BR923/D	36	Comm. Power & Signal Tech Group Reliability Audit Report January - April 1994 (REV 15)
BR924/D	500	Military Products Operation US Analog Lineup
BR925/D	250	Six Sigma Roadmap
BR928/D	300	Technical Training Flyer on Audio/Video Courses
BR931/D	100	Symbols...
BR934/D	250	Sensing Solutions from Motorola
LONPROD/D	82	LonWorks Products 1992

# CROSS REFERENCES AND SELECTOR GUIDES

ITEM	CQ	DESCRIPTION
<b>CR's</b>		
CR101/D		Tag to Motorola Thyristor Cross Reference
CR102/D		Leadless-34 to Sod-123 Cross Reference
CR103/D		Transient Voltage Suppressors General Instruments Cross Reference
CR104/D		General Instrument-to-Motorola Optoelectronics Cross Reference
CR2424/D		Video Driver Hybrid Amplifiers
CR2428/D		Video Driver Hybrid Amplifier
CR3424/D		Video Driver Hybrid Amplifiers
CR3428/D		Video Driver Hybrid Amplifier
CR820/D		High Frequency Complementary Pair Transistor Array
<b>SG's</b>		
RFCHART/D		USA Frequency Allocations CHART 10KHz to 4GHz
SG121/D	1000	General Instrument-To-Motorola Opto X-Ref
SG127/D	24	Surface Mount Selector Guide (REV 8)
SG131/D	350	Isolated Packages for Power Semiconductor Applications 1992 (REV 2)
SG134/D	N/A	VARO to Motorola Rectifier X-Ref. (Xerox copy on demand)
SG135/D	900	Bipolar Power Transistor X-Ref (REV 1) SGS Tompson & Harris (GE/RCA) to Motorola
SG137/D	200	ICEPAK Isolated Power Modules For Multiple Chip Power Circuits (REV 1)
SG138/D	25	Commercial Plus & Mil/Aero Application IC & Discrete Selector Guide (REV 5)
SG140/D	140	Scanswitch For High Resolution CRT Monitors (REV 1)
SG144/D	1000	Pressure Sensor Competitor X-Ref (REV 1)
SG146/D	475	Digital Signal Processors 2Q94 (REV 12)
SG162/D	450	Sensor Operations SPD 2Q94 (REV 10)
SG163/D	450	Motorola SOT-223 Selector Guide (REV 2)
SG165/D	150	CSIC MPUs Update 2Q94 (REV 12)
SG166/D	150	AMCU Advanced Microcontroller Division 2Q94 (REV 7)
SG167/D	450	High Performance MPU 2Q94 (REV 13)
SG169/D	400	MOS Digital - Analog Update 2Q94 (REV 9)
SG171/D	425	MOS Memory Products Division Fast Static RAM Update 2Q94 (REV 7)
SG172/D	450	MOS Memory Products Division Dynamic RAM Update 3Q94 (REV 6)
SG173/D	225	Motorola CSIC Microcontrollers 3Q94
SG265/D	200	TMOS Product Update 2Q94 (REV 3)
SG266/D	500	Bipolar Power Transistors Product Update 2Q94 (REV 3)
SG267/D	200	Rectifier Product Update 2Q94 (REV 3)
SG268/D	300	Thyristor Product Update 2Q94 (REV 2)
SG270/D	35	Discrete Semiconductor Cross Reference Guide 1992
SG271/D	1050	D2PAK Surface Mount TMOS Power MOSFETs and Rectifiers (REV 1)
SG272/D	1112	TO-247 Selector Guide
SG273/D	200	Optoelectronics Operations SPD 2Q94 (REV 2)
SG274/D	200	Zener Operations SPD 2Q94 (REV 2)
SG275/D	200	Surface Mount Packages Small-Signal Operations SPD 2Q94 (REV 1)
SG276/D		Power Products Division New High Power Products
SG365/D	450	Low Skew Clock Drivers & Clock Generation Circuits (REV 1)
SG366/D	60	TTL, ECL, CMOS and Special Logic Circuits Selector Guide (REV 3)
SG367/D	325	Semicustom Circuits
SG370/D	45	Discrete Surface Mount Selector Guide (REV 1)
SG371/D	1100	DPAK Surface Mount
SG372/D	450	Semiconductor Products Sector Hard Disk Drive Products Quick Reference November '93
SG373/D	425	Commercial Plus and Mil/Aero Applications RF Products Selector Guide
SG46/D	40	RF Products Selector Guide & Cross Reference-1994 (REV 11)
SG73/D	16	Master Selection Guide (REV 6)
SG79/D	28	Switchmode a Designer's Guide For Switching Pwr. Supply Circuits And Components (REV 4)
SG96/D	35	Linear/Interface ICs Selector Guide & Cross Reference (REV 5)
SG98/D	500	Linear Telecom X-Ref (REV 4)

**DATA PAKS**

ITEM	CQ	DESCRIPTION
88KSUPPAK/D	28	88000 Software and Support
ACCELEROMTRPAK/D	65	Automotive Sensor Solutions, Sensing the Needs of the Future 80 PSI
CRTPAK/D	27	CRT Literature Pack
HC05PAK/D	7	M68HC05 Family Literature Package
ICEPAKPAK/D	25	Power Modules
LONPAK/D	10	Data Sheets on the MC143150 NEURON & the LONBUILDER™ Dev. Tools (REV 3)
M68KCOMPAK/D	13	M68000 Communication Products Information (REV 5)
M88KPAK/D	16	M88000 Family Info 8/90
MAG.7PAK/D	65	Magnificent Seven
OACSPA/D	120	Open Architecture CAD System Literature
SCANSWITCHPAK/D	33	SCANSWITCH LITERATURE PAK for High Resolution CRT Monitors
SNSFETPAK/D	35	SENSEFETS and CONTROL ICs (REV 8)
SOT223PAK/D	20	SOT-223 Medium Power Surface Mount Products (REV 0)
TMOSPAK/D	9	TMOS Products (REV 5)

**DATA DISKS**

ITEM	DESCRIPTION
DK105/D	RF Scattering Parameters
DK106/D	RF Scattering Parameter Plotting Utility
DK107/D	Impedance Matching Program Communications Semiconductor Products Division
DK201/D	Discrete/IC - Disk 3.5 (Macintosh compatible) See E01 Screen for details (REV 5)
DK202/D	Spice Disk for AN1043/D 3.5 (Macintosh Compatible) Version 2.0
DK301/D	Spice Disk for AN1043/D 3.5 (MS-DOS Compatible) Version 2.0
DK304/D	Discrete/.Disk Specs in Secs REV 6 DOS version

**DATA LIBRARY BOOKS**

LITERATURE #	CQ	DESCRIPTION
DL110/D	14	RF (REV 5)
DL111/D	14	BIPOLAR POWER TRANSISTOR (REV 6)
DL118/D	40	OPTO (REV 3)
DL121/D	24	FAST and LS TTL (REV 5)
DL122/D	30	MECL DATA (REV 5)
DL126/D	18	Small-Signal Transistors, FETs and Diodes Device Data (REV 4)
DL128/D	6	Linear/Interface ICs Device Data Vol. 1 (REV 4)
DL129/D	24	HIGH-SPEED CMOS LOGIC (REV 5)
DL130/D	32	CMOS Application-Specific Standard ICs (Formerly CMOS/NMOS Special Functions) (REV 1)
DL131/D	20	CMOS Logic Data (REV 3)
DL135/D	16	POWER MOSFET TRANSISTOR (REV 3)
DL136/D	10	Communications Device Data (REV 3)
DL136AD/D	†	Errata to DL136/D Rev 3 Communications Device Data (REV 3)
DL137/D	28	Thyristor Device Data (REV 5)
DL138/D	40	FACT (REV 3)
DL140/D	52	ECLinPS and ECLinPS Lite (REV 2)
DL144/D	54	Commercial Plus and MIL/Aero Applications Memory Data
DL145/D	24	Military MECL Family Data
DL148/D	40	Discrete Military Operations Data (REV 1)
DL150/D	36	TVS/Zener Device Data (REV 1)
DL151/D	32	Rectifier Device Data (REV 1)
DL152/D	56	MDA15 CMOS Standard Cell Data
DL154/D	52	MDA08 CMOS Standard Cell Data
DL155/D	16	DRAM
DL156/D	16	Fast Static RAM BiCMOS, CMOS, and Module Data (REV 1)
DL200/D	48	Pressure Sensor Device Data
DL408/D	†	8-bit MCU Applications Manual 630 pg. Reprints of 39 applications documents. (REV 1)
DL409/D	†	16/32-bit Applications Manual 514 pg. Reprints of 38 applications documents. (REV 1)
DL410/D	†	Power Applications Manual 544 pg. Reprints of 60 applications documents. (REV 1)
DL411/D	†	Communications Applications 580 pg. Reprints of 44 applications documents (REV 1)



## DATA LIBRARY BOOKS

LITERATURE #	CQ	DESCRIPTION
DL412/D	†	Industrial Control Applications 598 pg. Reprints of 42 applications documents.
DL413/D	†	Radio, RF and Video Applications 514 pg. Reprints of 37 applications documents.
DL414/D	†	FET Applications Manual 284 pg. Reprints of 34 applications documents.

## HANDBOOKS

ITEM	CQ	DESCRIPTION
HB205/D		38 MECL System Design (REV 1)
HB213/D		120 Discrete Military Operations
HB214/D		32 Rectifier Applications Handbook

## TRAINING BOOKS

**NOTE: Text books are purchased by Motorola and not intended as handouts. They will be charged to your Department, or your customer may purchase them directly from L.D.C.**

ITEM	DESCRIPTION
TB301/D	Basic MPU & The 6800 - Ron Bishop - Haden Books
TB304/D	Pascal Programming Structures for MPU + (M6809PASC(L1) & M68KPASC/L2 Letters) -
TB309/D	Programming the 6809 - Rodney Zaks/William Lablak - Sybex Inc.
TB312/D	Intro to Integrated Circuit Layout - Brian Spinks - Prentice Hall
TB313/D	Efficient C - Thomas Plum/Jim Brodie - Plum Hall Inc.
TB316/D	Single-and Multiple-Chip Microcomputer Interfacing - G. J. Lipovski - Prentice Hall
TB316LM/D	Single & Multi Chip Microcomputer Interfacing - G. J. Lipovski - Prentice Hall
TB318/D	Microprocessor Systems Design 68000 Hardware, Software & Interfacing -
TB319/D	M68000 Assembly Language and Systems Programming (REV 2)
TB321/D	Practical Switching Power Supply Design - Marty Brown - Academic Press Inc.,
TB322/D	The M68000 family Volume 2 App. and the M68000 Devices - Werner Hilf Anton Nausch
TB323/D	The 68000 Book - Bob Southern - Southcroft Publications Ltd. Ottawa Canada K2H 718
TB324/D	Real Time Digital Signal Processing Applications with Motorola's DSP56000 Family
TB325/D	MC68332 Product Design, Assembly Language Programming, and Interfacing
TB325LM/D	MC68332 Laboratory Manual
TB326/D	Radio Frequency Transistors Principles and Practical Applications
TB327/D	Understanding Small Microcontrollers by James M. Sibigroth

## SAMPLE KITS & EVALUATION KITS

ITEM	DESCRIPTION	COST
KITDEVB103/D	MPM3002 Logic to Motor EVB	\$95.00
KITDEVB104/D	MPX5100 Pressure Regulator	\$75.00
KITDEVB114/D	MPX5100 Sensor To Microprocessor EVB	\$95.00
KITDEVB118/D	MPM3002 Analog To Motor EVB	\$95.00
KITDEVB126/D	MPX7100 4-20MA Pressure Transducer EVB	\$75.00
KITDEVB129/D	MPX5100 Pressure Gauge	\$50.00
KITDEVB147/D	MPX2100 Pressure Gauge	\$75.00
KITNOK26/D	Brushless Motor Drive	\$40.00
SEK-1KIT/D	Sensor Evaluation Kit	\$10.00

## ECHELON AND RELATED PRODUCTS

ITEM	DESCRIPTION
EB146/D	Neuron Chip Quadrature Input Function Interface
EB147/D	LonWorks Installation Overview
EB148/D	Enhanced Media Access Control with Echelon's LonTalk Protocol
EB149/D	Optimizing LonTalk Response Time
EB150/D	Neuron Chip RS-485 Transceiver
EB151/D	Scanning a Keypad with the Neuron Chip

## ECHELON AND RELATED PRODUCTS

ITEM	DESCRIPTION
EB152/D	How to Use SNVTs in LonWorks Applications
EB153/D	Driving a Seven Segment Display with the Neuron Chip
EB155/D	Analog-to-Digital Conversion with the Neuron Chip
EB157/D	Creating Applications with the LonBuilder Multi-Function I/O Kit
EB157/D	Creating Applications with the LonBuilder Multi-Function I/O Kit
EB159/D	Neuron Chip-based Installation of LonWorks Networks
EB160/D	Neuron Chip Input/Output Timing Specification
EB161/D	LonTalk Protocol
LONBDSUM/D	LonBuilder Processor Boards Summary
LONKITSUM/D	LonBuilder Kits Summary
LONPROD/D	LonWorks Products 1992
LONTP/D	LonBuilder Twisted Pair Transceiver
LONUG/AD	LonBuilder User's Guide
MC143150/D	Neuron Chip Distributed Com. and Control Processors
MC143XXEVB/D	Product Preview - LonBuilder Workbench
MC145407/D	5-Volt-Only Driver/Receiver
MC145705/D	5-Volt-Only Driver/Receiver With an Integrated Standby Mode
NEURONCPG/AD	Neuron C Programmer's Guide

## MISCELLANEOUS OVER-SIZED DATA SHEETS

**NOTE: (Full carton quantity of over-sized Data Sheets) These devices are listed alphabetically in order throughout the book. (They are listed here for your convenience.)**

ITEM	CQ	REV #	ITEM	CQ	REV #
AJ100/D	20	N/A	MC68HC05L2/D	78	N/A
LONPROD/D	82	N/A	MC68HC05L6/D	65	AD1254
MC143150/D	44	REV 3	MC68HC05P1/D	100	REV 1
MC145472/D	62	REV 1	MC68HC05P4/D	90	N/A
MC145474/D	80	REV 1	MC68HC05P7/D	84	N/A
MC145488/D	60	AD11524	MC68HC05P8/D	90	N/A
MC687/05P/D	60	AD11031	MC68HC05P9/D	72	N/A
MC687/05R-U/D	55	AD1977	MC68HC05X4/D	34	N/A
MC6804J1/D	60	AD11248	MC68HC11A8/D	60	REV 5
MC6805S2/D	38	AD1997R2	MC68HC11D3/D	60	N/A
MC68230/D	85	AD1860R2	MC68HC11E/D	42	N/A
MC68302/D	80	REV 2	MC68HC11F1/D	65	REV 2
MC68331TS/D	70	REV 1	MC68HC11G5/D	46	N/A
MC68332TS/D	45	REV 1	MC68HC11K4/D	42	N/A
MC68440/D	45	AD11002	MC68HC11KA4TS/D	55	REV 1
MC68450/D	60	AD11216	MC68HC11L6/D	56	N/A
MC68451/D	110	AD1872R1	MC68HC11N/D	42	N/A
MC68681/D	60	AD1988R1	MC68HC11N4TS/D	60	N/A
MC68824/D	100	REV 4	MC68HC16Y1TS/D	35	N/A
MC68851/D	90	REV 2	MC68HC16Z1TS/D	40	REV 2
MC68881/D	90	REV 4	MC68HC16Z2TS/D	40	N/A
MC68901/D	110	AD1984R1	MC68HC705C8/D	84	REV 1
MC68F333TS/D	40	N/A	MC68HC705H2/D	66	N/A
MC68HC05A6/D	70	N/A	MC68HC705J2/D	100	N/A
MC68HC05B6/D	36	REV 3	MC68HC705K1/D	76	REV 1
MC68HC05C4/D	66	AD11991R2	MC68HC705P6/D	64	REV 1
MC68HC05C9/D	85	N/A	MC68HC705P9/D	72	REV 1
MC68HC05E0/D	96	N/A	MC68HC711D3/D	70	REV 1
MC68HC05F5/D	74	N/A	MC68HC711L6/D	56	N/A
MC68HC05J1/D	120	REV 1	MC68HC711N4TS/D	60	N/A
MC68HC05J1A/D	90	N/A	MCCS53C90/D	80	N/A
MC68HC05K1/D	76	N/A	MCS3201/D	96	REV 3

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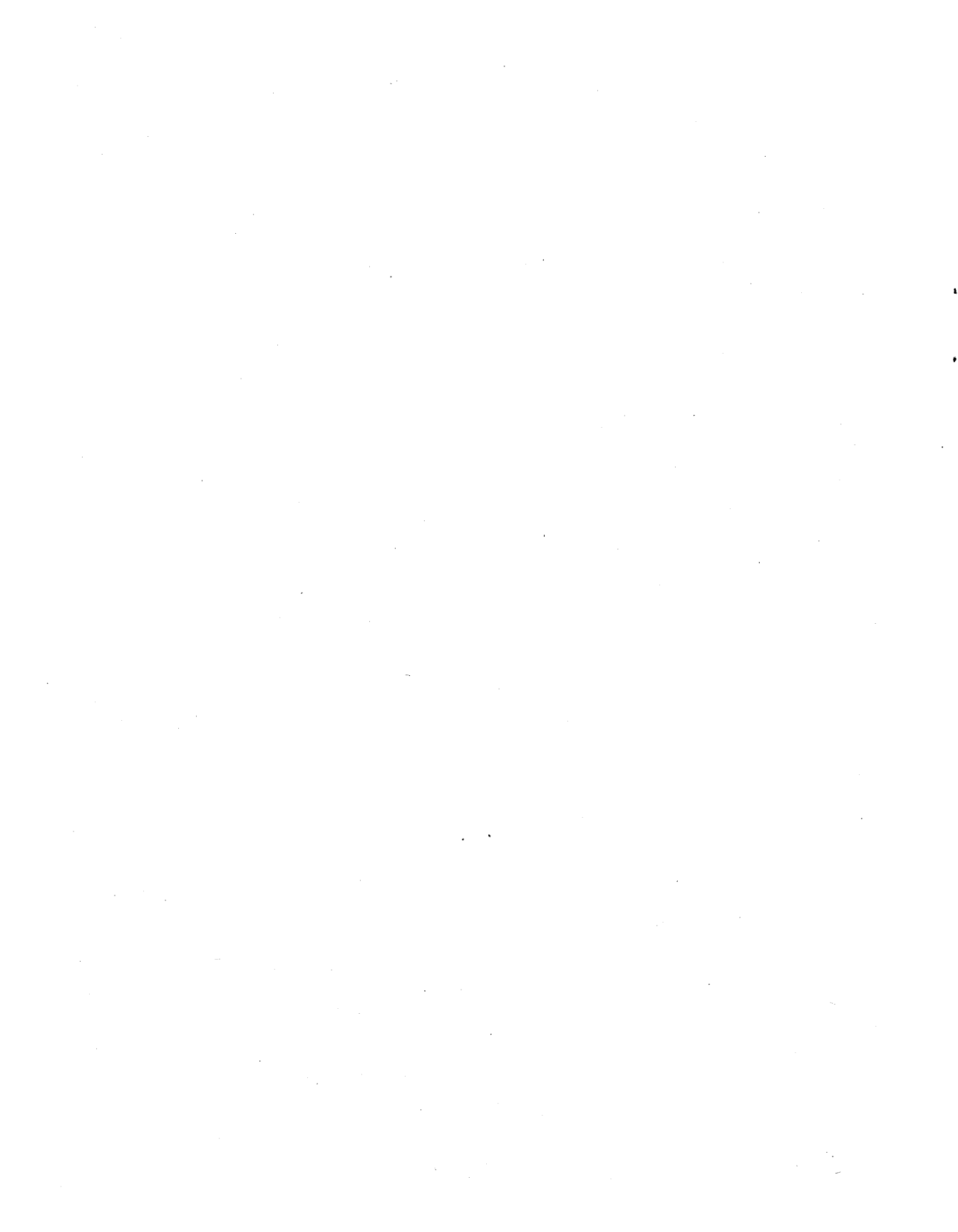
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## Introduction

Motorola's Applications Literature provides guidance to the effective use of its semiconductor families across a broad range of practical applications. Many different topics are discussed – in a way that is not possible in a device data sheet – from detailed circuit designs complete with PCB layouts, through matters to consider when embarking on a design, to complete overviews of a microprocessor family and its design philosophy.

Information is presented in the form of Application Notes and Article Reprints (originally published<sup>1</sup> in the electronics press), plus detailed Engineering Bulletins, Benchbriefs<sup>2</sup>, Design Concepts, APRs<sup>3</sup>. This guide to the Applications Literature includes a *Selector Guide* listing all the documents under subject or device-type headings, and a *Device Cross Reference* listing by featured devices.

Each section of this *Applications Literature Selector Guide* also includes cross references to a selection from Motorola's extensive range of Data Books, Brochures, Technical Bulletins and Selector Guides, which may provide further relevant information.

Information in this document is given in good faith and no liability is accepted for errors or omissions. Includes literature available as of March 1, 1994.

## Historical Information

The various Application Notes, Article Reprints, Engineering Bulletins and Design Concepts were developed at Design Centers strategically placed throughout the global community, and many were written originally to support a local need. While the basic concepts of each of the publications have broad applications, specific Motorola parts may be referenced that are currently available for limited distribution in a selected region and are only currently supported by the country of origin of the Application Notes, Article Reprints, Engineering Bulletins and Design Concepts.

Also contained in this catalog, for completeness and historical significance, are Application Notes, Article Reprints, Engineering Bulletins and Design Concepts that are no longer available as individual documents because obsolete devices are referenced. These are marked with the letters "HI" to indicate that these documents are for *Historical Information* only.

All the Application Notes, Article Reprints, Engineering Bulletins and Design Concepts are included to enhance the user's knowledge and understanding of Motorola's products. However, before attempting to design-in a device referenced in these documents, contact the local Motorola supplier for product availability and available application support.

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<sup>1</sup> Article Reprints are reproduced with the permission of the original publisher.

<sup>2</sup> A Benchbrief is an Engineering Bulletin produced by Motorola's Asia-Pacific Group.

<sup>3</sup> APRs are applications documents relating specifically to Digital Signal Processing.

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# Device Cross Reference

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0AC5A .....	AN801/D	2N5596 .....	AN1033/D	.....	AN1311/D
0DC5 .....	AN801/D	2N6236 .....	EB30/D	DEVB114 .....	AN1305/D
1AC5 .....	AN801/D	2N6237 .....	EB30/D	DEVB118 .....	AN1301/D
1AC5A .....	AN801/D	2N6238 .....	EB30/D	DEVB129 .....	AN1304/D
1DC5 .....	AN801/D	2N6239 .....	EB30/D	DEVB147 .....	AN1309/D
1N746 .....	AN784/D	2N6240 .....	EB30/D	DEVB156 .....	AN1321/D
1N957A .....	AN784/D	2N6241 .....	EB30/D	DS14500A .....	AN802/D
1N4001 .....	EB51/D	2N6329 .....	EB30/D	DS14500B .....	AN802/D
1N4371 .....	AN784/D	2N6439 .....	EB77/D	DS14500C .....	AN802/D
1N4569A .....	AN462/D	2SA1302 .....	AN1308/D	DSP56ADC16 .....	APR8/D
1N4728 .....	AN784/D	2SA1306B .....	AN1308/D	.....	APR10/D
1N4937 .....	AR131/D	2SC3281 .....	AN1308/D	DSP56000 .....	ANE408/D
.....	EB407/D	2SC3298B .....	AN1308/D	.....	ANE415/D
1N5221A .....	AN784/D	4N25 .....	AN1108/D	.....	APR3/D
1N5283 thru 1N5314 .....	AN462/D	AM26LS31 .....	AN781A/D	.....	APR4/D
1N5333A .....	AN784/D	AM26LS32 .....	AN781A/D	.....	APR5/D
1N6267 .....	AN784/D	BUL44 .....	ARE402/D	.....	APR11/D
2N3797 .....	AN211A/D	.....	EB407/D	.....	APR12/D
2N4220 .....	AN211A/D	BUL45 .....	AN1049/D	.....	APR14/D
2N4220A .....	AN211A/D	.....	ARE402/D	.....	APR15/D
2N4221 .....	AN211A/D	.....	EB407/D	.....	APR401/D
2N4221A .....	AN211A/D	BUL146 .....	EB407/D	DSP56001 .....	ANE408/D
2N4222 .....	AN211A/D	BUL147 .....	EB407/D	.....	APR1/D
2N4222A .....	AN211A/D	BUL148 .....	EB407/D	.....	APR2/D
2N4351 .....	AN211A/D	CA2200 .....	AN1027/D	.....	APR4/D
2N4851 .....	AN294/D	CA2600 .....	AN1027/D	.....	APR5/D
2N4852 .....	AN294/D	CA2820 .....	AN1022/D	.....	APR6/D
2N4853 .....	AN294/D	CA2870 .....	AN1022/D	.....	APR7/D
2N5060 .....	EB30/D	CPU05 .....	AN1218/D	.....	APR9/D
2N5061 .....	EB30/D	CPU08 .....	AN1218/D	.....	APR11/D
.....	EB126/D	CPU32 .....	AN455/D	.....	APR12/D
2N5062 .....	EB30/D	CR2424 .....	AN1021/D	.....	APR14/D
2N5063 .....	EB30/D	.....	AN1306/D	.....	APR15/D
2N5064 .....	EB30/D	.....	AN1103/D	.....	APR401/D
2N5361 .....	AN462/D	CR2425 .....	AN1021/D	.....	APR402/D
2N5401 .....	AN1076/D	CR3424 .....	AN1103/D	.....	DC407/D
2N5458 .....	AN211A/D	CR3434 .....	AN1103/D	.....	DCE406/D



Device Cross Reference

MC68HC11 continued

..... AN1300/D	MC74F258 .....	AN1127/D	MC1733 .....	EB79/D
..... AN1309/D	MC74F374 .....	AN1125/D	MC1741 .....	AN559/D
..... AN1311/D	MC74F646 .....	AN1125/D	MC2681 .....	AN975/D
..... AN1318/D	MC74F803 .....	AR519/D	MC2831A .....	AN-HK-02/H
..... AN1319/D	MC74HC00 .....	ANE404/D	MC3362 .....	AN980/D
..... AN1324/D	MC74HC04 .....	AN1102/D	MC3363 .....	AN980/D
..... ANE405/D	MC74HC14 .....	AN1126/D	MC3373 .....	AN1016/D
..... ANE415/D	MC74HC138 .....	ANE404/D	.....	AN1126/D
..... DC410/D	MC74HC240 .....	AN1102/D	.....	AN1203/D
MC68HC11A8 .....	MC74HC373 .....	AN1102/D	MC3373P .....	AN1126/D
MC68HC11A8P1 .....	MC74HC4024 .....	AN1126/D	MC3403 .....	EB85A/D
MC68HC11E9 .....	MC74HC4046A .....	AN1410/D	MC3423 .....	AN004E/D
..... AN456/D	MC74HCU04 .....	AN1207/D	.....	AN1080/D
..... AN1122/D	MC74LS04 .....	AN1102/D	.....	EB85A/D
..... AN1311/D	MC74LS20 .....	AN1127/D	MC3424 .....	AN004E/D
MC68HC11G5 .....	MC74LS26 .....	AN1102/D	MC3425 .....	AN004E/D
MC68HC11K4 .....	MC74LS240 .....	AN1102/D	.....	EB85A/D
..... AN452/D	MC74LS373 .....	AN1102/D	MC3438 .....	EB85A/D
..... AN1215/D	MC74LS393 .....	AN1127/D	MC3450 .....	AN740/D
MC68HC11N4 .....	MC78L08 .....	AN1322/D	MC3452 .....	AN740/D
MC68HC16Z1 .....	MC78L08ACP .....	AN1325/D	MC3459 .....	AN740/D
..... AN1061/D	MC100E111 .....	AN1405/D	MC3460 .....	AN740/D
..... AN1213/D	.....	AN1406/D	MC3486 .....	AN781A/D
MC68HC24 .....	.....	AR519/D	MC3487 .....	AN781A/D
..... ANE415/D	MC100E211 .....	AN1405/D	MC3488 .....	AN781A/D
MC68HC25 .....	.....	AN1406/D	MC3523 .....	AN004E/D
MC68HC68T1 .....	MC100EL11 .....	AN1406/D	MC3524 .....	AN004E/D
..... AN1065/D	MC100H60x .....	AN1402/D	MC3525 .....	AN004E/D
..... ANE425/D	MC100H640 .....	AN1400/D	MC3870 .....	EB404/D
MC68HC205V8 .....	MC100H641 .....	AN1405/D	MC4007 .....	AN740/D
MC68HC704P4 .....	.....	AN1406/D	MC4024 .....	AN740/D
MC68HC705B5 .....	MC100H646 .....	AN1406/D	MC4042 .....	AN740/D
..... AN1305/D	MC100H64x .....	AN1401/D	MC6200ETL .....	AN1508/D
MC68HC705C8 .....	MC100H660 .....	AN1092/D	MC6800 .....	AN732A/D
..... AN1212/D	MC109XX .....	AR128/D	.....	AN782/D
..... AN1226/D	MC1330 .....	AN545A/D	MC6801 .....	AN797/D
MC68HC705C8A .....	MC1350 .....	AN545A/D	.....	AN807/D
MC68HC705T3 .....	MC1352 .....	AN545A/D	.....	AN1060/D
MC68HC711E9 .....	MC1374 .....	AN829/D	.....	ANE404/D
MC68HC711F1 .....	MC1377 .....	AN932/D	MC6801U4 .....	ANE404/D
MC68HC711K4 .....	.....	AN1044/D	MC6803 .....	AN797/D
MC68HC805B6 .....	MC1378 .....	AN1044/D	MC6805 .....	AN902/D
..... AN440/D	MC1408 .....	EB51/D	.....	AN1218/D
..... AN446/D	MC1458 .....	EB79/D	.....	EB404/D
..... ANE416/D	MC1466 .....	AN703/D	MC6805L3 .....	ANE405/D
..... ANE418/D	MC1488 .....	AN781A/D	MC6805L8 .....	ANE405/D
MC68HC805C4 .....	MC1489 .....	AN781A/D	MC6805P2 .....	BF8401/D
..... AN966/D	MC1596 .....	AN531/D	MC6805R2 .....	AN910/D
..... ANE425/D	MC1648 .....	AN1122/D	.....	BF8401/D
MC68HC805L6 .....	MC1658 .....	AN1207/D	MC6805R2( )1 .....	AN869/D
MC68HC811A2 .....	MC1670 .....	AN1207/D	MC6805S2 .....	AN901/D
MC68HC811E2 .....	MC1723 .....	AN004E/D	.....	ANE405/D
MC74AC157 .....	.....	AN703/D	MC6805S3 .....	ANE405/D
MC74AC74 .....	.....	EB27A/D	MC6805SC01 .....	EB401/D
MC74ACT245 .....	.....	.....	.....	EB402/D
MC74AS280 .....	.....	.....	MC6805SC03 .....	EB401/D
MC74F04 .....	.....	.....	.....	.....
MC74F244 .....	.....	.....	.....	.....

Device Cross Reference

MC6809 .....	AN820/D	MC14522 .....	EB48/D	<b>MC34118</b> continued	
.....	AN865/D	MC14534 .....	EB48/D	.....	AN1004/D
.....	AN866/D	MC14519 .....	AN753/D	.....	AN1006/D
MC6809E .....	AN865/D	MC14549 .....	EB51/D	.....	AN1077/D
.....	AN866/D	MC14559 .....	EB51/D	MC34119 .....	AN1003/D
.....	AN892/D	MC14561 .....	AN738/D	.....	AN1004/D
.....	AN905/D	MC33033 .....	AN1078/D	.....	AN1081/D
MC6821 .....	AN782/D	.....	AN1301/D	MC34129 .....	AN968/D
MC6821S .....	AN810/D	.....	AN1307/D	.....	AN976/D
MC6844 .....	AN820/D	.....	AR341/D	.....	AN1001/D
.....	AN905/D	.....	EB123/D	.....	AR167/D
MC6847 .....	AN815/D	.....	EB142/D	MC34151 .....	AN1001/D
MC6850 .....	AN817/D	MC33034 .....	AN1001/D	.....	AN1120/D
MC6852 .....	AN818/D	.....	AN1046/D	.....	AN1300/D
MC8322 .....	AN740/D	.....	AR301/D	.....	AN1319/D
MC10124 .....	AN1092/D	.....	AR341/D	MC34160 .....	AN1065/D
MC10138 .....	AN742/D	MC33035 .....	AN1046/D	MC34161 .....	AN1314/D
MC10315 .....	AN877/D	.....	AN1101/D	MC34164P .....	AN1065/D
MC10317 .....	AN877/D	.....	AN1321/D	MC34181 .....	EB126/D
MC12060 .....	EB48/D	.....	AR341/D	MC34268 .....	AN1408/D
.....	EB59/D	MC33039 .....	AN1046/D	MC44602P2 .....	AN1325/D
MC12061 .....	EB59/D	.....	AN1321/D	MC44802A .....	AN1122/D
MC12560 .....	EB59/D	.....	AR301/D	MC68000 .....	AN451/D
MC12561 .....	EB59/D	.....	AR341/D	.....	AN810/D
MC13001 .....	AN879/D	MC33079 .....	AN1100/D	.....	AN815/D
MC13020 .....	AN-HK-07/H	MC33120 .....	AN1054/D	.....	AN816/D
MC13021 .....	AN-HK-07/H	MC33151 .....	AN1317/D	.....	AN817/D
MC13041 .....	AN-HK-07/H	MC33161 .....	AN1322/D	.....	AN818/D
MC14000 .....	AN1102/D	MC33272 .....	AN1324/D	.....	AN819/D
MC14001 .....	EB48/D	.....	AN1325/D	.....	AN838/D
.....	EB51/D	MC33274 .....	AN1318/D	.....	AN854/D
MC14011 .....	EB51/D	.....	AN1325/D	.....	AN881/D
MC14013 .....	EB48/D	MC34010 .....	AN957/D	.....	AN899/D
MC14017 .....	AN753/D	MC34010A .....	AN957/D	.....	AN947/D
MC14022 .....	EB48/D	MC34011 .....	AN957/D	.....	AN975/D
MC14028 .....	AN753/D	MC34011A .....	AN957/D	.....	AN1012/D
MC14049UB .....	AN1102/D	MC34013 .....	AN957/D	.....	AN1123/D
MC14050B .....	AN1102/D	MC34013A .....	AN957/D	.....	AR211/D
MC14069 .....	EB51/D	MC34014 .....	AN958/D	.....	AR216/D
MC14403 .....	EB48/D	MC34017 .....	AN1003/D	.....	AR233/D
MC14412 .....	APR12/D	.....	AN1004/D	.....	AR235/D
MC14433 .....	AN770/D	MC34018 .....	AN959/D	.....	AR242/D
MC14443 .....	AN1211/D	.....	AN1002/D	.....	AR243/D
MC14447 .....	AN1211/D	.....	AN1077/D	.....	DC001/D
MC14469 .....	AN806A/D	MC34060 .....	EB128/D	.....	DCE404/D
MC14489 .....	AN431/D	MC34060A .....	EB142/D	.....	DCE406/D
.....	EB153/D	MC34063 .....	AN920/D	MC68008 .....	AN897/D
MC14495-1 .....	AN1122/D	.....	AN954/D	.....	APR402/D
MC14497 .....	AN885/D	MC34064 .....	ANE415/D	.....	AR226/D
MC14499 .....	AN1211/D	MC34064P-5 .....	AN1315/D	.....	AR233/D
MC14500 .....	AN889/D	MC34104 .....	AN960/D	.....	AR243/D
MC14504 .....	AN1102/D	MC34108 .....	AN957/D	MC68010 .....	AN970/D
MC14510 .....	AN753/D	MC34114 .....	AN1002/D	.....	AN996/D
MC14518 .....	AN742/D	.....	AN1004/D	.....	AN1008/D
MC14519 .....	AN753/D	MC34118 .....	AN1003/D	.....	AR233/D



Device Cross Reference

MC68010 continued

..... AR243/D  
 ..... ARE001/D  
 MC68012 ..... AR233/D  
 ..... AR243/D  
 MC68020 ..... AN451/D  
 ..... AN984/D  
 ..... AN994RE/D  
 ..... AN1014/D  
 ..... AN1015/D  
 ..... AN1310/D  
 ..... AR213/D  
 ..... AR217/D  
 ..... AR225/D  
 ..... AR227/D  
 ..... AR232/D  
 ..... AR233/D  
 ..... AR242/D  
 ..... AR243/D  
 ..... AR259/D  
 ..... AR268/D  
 ..... AR519/D  
 ..... DC003/D  
 ..... DC407/D  
 ..... DCE402/D  
 ..... DCE403/D  
 ..... EB116/D  
 ..... EB406/D  
 MC68030 ..... AN430/D  
 ..... AN999/D  
 ..... ANE426/D  
 ..... AR248/D  
 ..... AR253/D  
 ..... AR270/D  
 ..... AR519/D  
 ..... DC407/D  
 ..... DCE402/D  
 ..... DCE403/D  
 ..... EB116/D  
 MC68040 ..... AN435/D  
 ..... AN439/D  
 ..... AN444/D  
 ..... AR519/D  
 MC68184 ..... AR262/D  
 MC68230 ..... AN854/D  
 ..... AN975/D  
 ..... AN996/D  
 ..... ANE426/D  
 MC68302 ..... AN457/D  
 ..... AN1123/D  
 ..... AR350/D  
 MC68330 ..... AN1123/D  
 MC68331 ..... AN1123/D  
 MC68332 ..... AN429/D

MC68332 continued

..... AN437/D  
 ..... AN1061/D  
 ..... AN1062/D  
 ..... AN1067/D  
 ..... AN1123/D  
 ..... AN1310/D  
 MC68340 ..... AN449/D  
 ..... AN451/D  
 ..... AN453/D  
 ..... AN1063/D  
 ..... AN1123/D  
 MC68451 ..... AN880/D  
 ..... AN996/D  
 ..... ARE001/D  
 ..... DC001/D  
 MC68605 ..... AN970/D  
 MC68606 ..... AN1013/D  
 ..... AN1014/D  
 MC68681 ..... AN897/D  
 ..... AN1217/D  
 ..... AN899/D  
 ..... AN941/D  
 ..... AN975/D  
 ..... AN990/D  
 ..... AN996/D  
 ..... ANE426/D  
 ..... DC402/D  
 MC68701 ..... AN906A/D  
 MC68701U4 ..... AN906A/D  
 MC68704P2 ..... AN942/D  
 MC68705 ..... AN885/D  
 MC68705P3 ..... AN857/D  
 ..... AN940/D  
 ..... AN993/D  
 MC68705R3 ..... AN857/D  
 ..... AN991/D  
 MC68705U3 ..... AN857/D  
 ..... AN902/D  
 MC68824 ..... AN1007/D  
 ..... AN1008/D  
 ..... AR262/D  
 ..... DC004/D  
 MC68836 ..... DC409/D  
 MC68837 ..... DC409/D  
 MC68838 ..... DC409/D  
 MC68839 ..... DC409/D  
 MC68851 ..... AN984/D  
 ..... AN994/D  
 ..... AN994RE/D  
 ..... AR232/D  
 ..... DCE402/D  
 MC68881 ..... AN947/D

MC68881 continued

..... AN994RE/D  
 ..... ANE009/D  
 ..... AR213/D  
 ..... AR232/D  
 ..... AR233/D  
 ..... AR519/D  
 ..... DCE402/D  
 ..... DCE403/D  
 ..... EB116/D  
 MC68882 ..... AN430/D  
 ..... ANE009/D  
 ..... AR224/D  
 ..... AR244/D  
 ..... AR519/D  
 ..... DCE402/D  
 ..... DCE403/D  
 ..... EB116/D  
 MC68901 ..... AN896A/D  
 ..... AN975/D  
 ..... AN1015/D  
 ..... AN1216/D  
 MC75176 ..... AN1216/D  
 MC75491 ..... AN753/D  
 MC75492 ..... AN753/D  
 MC88000 ..... AR519/D  
 MC88100 ..... AN447/D  
 ..... AN447A/D  
 ..... AN1125/D  
 ..... AN1129/D  
 ..... AN519/D  
 ..... EB117/D  
 MC88110 ..... AN1214/D  
 ..... AN1217/D  
 ..... DC408/D  
 ..... EB162/D  
 ..... EB163/D  
 ..... EB164/D  
 ..... EB165/D  
 MC88200 ..... AN447/D  
 ..... AN447A/D  
 ..... AN1125/D  
 ..... AN1129/D  
 ..... AR519/D  
 ..... EB117/D  
 MC88410 ..... AN1217/D  
 MC88914 ..... AN1125/D  
 ..... AR519/D  
 MC88915 ..... AN1214/D  
 ..... AN1217/D  
 ..... AR519/D  
 MC142100 ..... AN893/D  
 ..... BF8501/D  
 MC142101 ..... AN893/D  
 MC143120 ..... AN1208/D  
 ..... AN1225/D

Device Cross Reference

MC143150 ..... AN1208/D  
 ..... AN1211/D  
 ..... AN1216/D  
 ..... AN1225/D  
 MC144110 ..... AN1211/D  
 MC144111 ..... AN1211/D  
 MC144115 ..... AN441/D  
 ..... ANE416/D  
 MC144115P ..... AN442/D  
 MC145000 ..... AN442/D  
 ..... AN1216/D  
 ..... ANE416/D  
 MC145003 ..... AN442/D  
 MC145004 ..... AN442/D  
 MC145026 ..... AN1126/D  
 ..... AN-HK-02/H  
 ..... BF8105/D  
 MC145027 ..... AN1126/D  
 ..... BF8105/D  
 MC145028 ..... AN1126/D  
 ..... AN-HK-02/H  
 MC145030 ..... AN1126/D  
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 MC145033 ..... AN1126/D  
 MC145034 ..... AN1126/D  
 MC145035 ..... AN1126/D  
 MC145040 ..... AN1061/D  
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 MC145050 ..... AN1061/D  
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 MC145051 ..... AN1061/D  
 ..... AN1062/D  
 ..... EB155/D  
 MC145053 ..... EB155/D  
 MC145100 ..... BF8501/D  
 MC145157 ..... ANE416/D  
 MC145159 ..... AN969/D  
 MC145160 ..... AN-HK-02/H  
 MC145170 ..... AN1207/D  
 MC145326 ..... AN946/D  
 MC145406 ..... AN946/D  
 ..... AN968/D  
 ..... AR239/D  
 MC145407 ..... AN451/D  
 ..... AN1065/D  
 MC145412 ..... AN1002/D  
 ..... AN1003/D  
 ..... AN1004/D  
 ..... AN-HK-02/H  
 MC145418 ..... AN945/D  
 ..... AR239/D  
 MC145419 ..... AN945/D  
 ..... AN946/D

MC145419 continued

..... AR239/D  
 MC145421 ..... AR239/D  
 MC145422 ..... AN943/D  
 ..... AN946/D  
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 MC145426 ..... AN943/D  
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 MC145428 ..... AN946/D  
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 ..... AN949/D  
 ..... AN968/D  
 ..... AR239/D  
 MC145429 ..... AN1054/D  
 MC145440 ..... AN891/D  
 ..... AN-HK-01/H  
 MC145441 ..... AN-HK-01/H  
 MC145445 ..... AN-HK-01/H  
 MC145453 ..... AR266/D  
 MC145474 ..... AN445/D  
 ..... AN1054/D  
 MC145475 ..... AN445/D  
 MC145484 ..... AR239/D  
 MC145488 ..... AN1054/D  
 MC145490EVK ..... AN1054/D  
 MC145503 ..... APR12/D  
 MC145554 ..... AN1054/D  
 MC146805 ..... AN1218/D  
 MC146805E2 ..... ANE404/D  
 MC146805F2( )1 ..... AN863/D  
 MC146805F2L1 ..... AN888/D  
 MC146805G2 ..... AN404/D  
 ..... AN852/D  
 ..... AN1011/D  
 ..... ANE413/D  
 MC146805G2L1 ..... AN852/D  
 MC146818 ..... AN864A/D  
 ..... AN894A/D  
 ..... ANE404/D  
 MC146823 ..... AN864A/D  
 ..... ANE404/D  
 MC688836 ..... DC409/D  
 MC688837 ..... DC409/D  
 MC688838 ..... DC409/D  
 MC688839 ..... DC409/D  
 MCA750ETL ..... AN1508/D  
 MCA2200ETL ..... AN1508/D

MCA2500ECL ..... AN953/D  
 MCA3200ETL ..... AN1508/D  
 MCA10000ECL ..... AN977RE/D  
 ..... AN1508/D  
 MCC68HC05SC11 ..... EB400/D  
 MCC68HC05SC21 ..... EB400/D  
 MCCS142234 ..... AN1408/D  
 MCCS142235 ..... AN1408/D  
 MCCS142237 ..... AN1408/D  
 MCM60L256 ..... AN441/D  
 MCM2016 ..... DC003/D  
 MCM2814 ..... AN429/D  
 ..... AN446/D  
 MCM2833 ..... AN909/D  
 MCM4180 ..... AR270/D  
 MCM5003 ..... AN550/D  
 MCM5004 ..... AN550/D  
 MCM6164 ..... ANE426/D  
 MCM6268 ..... AN984/D  
 MCM6287 ..... AR241/D  
 ..... DCE402/D  
 MCM6288 ..... AR241/D  
 MCM6290-25 ..... DCE402/D  
 MCM6292 ..... AR256/D  
 ..... AR258/D  
 ..... AR260/D  
 MCM6293 ..... AR256/D  
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 ..... AR260/D  
 MCM6294 ..... AR256/D  
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 ..... AR260/D  
 MCM6295 ..... AR256/D  
 ..... AR258/D  
 ..... AR260/D  
 MCM6605 ..... AN740/D  
 MCM6605A ..... AN732A/D  
 MCM6664 ..... AN838/D  
 MCM6665 ..... AN896A/D  
 MCM6665L15 ..... AN897/D  
 MCM10143 ..... AN730A/D  
 MCM62110 ..... AN1217/D  
 MCM62350 ..... AR270/D  
 MCM62351 ..... AR270/D  
 MCM62486 ..... AN1223/D  
 MCM62940 ..... AN1127/D  
 MCM67518 ..... AN1223/D  
 MCM67618 ..... AN1223/D  
 MCM67B518 ..... AN1223/D  
 MCM67B618 ..... AN1223/D  
 MCM81000 ..... AN1217/D  
 MCM84000 ..... AN1217/D  
 MCM84256 ..... AN1217/D  
 MCM91000 ..... AN1125/D  
 MCM511001 ..... AN999/D  
 MCM514256 ..... APR11/D

## Device Cross Reference

MCM514256A	APR11/D	MJH16110	EB85A/D	MPX200	AN919/D
MCM514258A	AN1127/D	MJW18010	AN1320/D		AN935/D
MCM514400	AN1063/D	MK1V270	AR450/D	MPX201	AN919/D
MCM518128	AN1059/D	MKP9V240	AR450/D	MPX700	AN1105/D
MCP2004	AN956/D	MLED71	AN1120/D	MPX2000	AN1097/D
MCP2005	AN956/D	MLED81	AN1016/D		AN1309/D
MCP2006	AN956/D		AN1203/D		AN1312/D
MCP2011	AN956/D	MMDF2C05E	AN1321/D		AN1313/D
MCP2012	AN956/D	MOC2A40	EB200/D		AN1315/D
MCP2014	AN956/D	MOC2A60	EB200/D		AN1318/D
MCP2015	AN956/D	MOC3031	AN916/D		AN1322/D
MCR69	AR450/D	MOC3041	AN916/D		AN1324/D
MCR1000	AR450/D		ANE422/D		AN1325/D
MCS3201	AN1123/D	MOC8100	AN1108/D	MPX2010	AN1312/D
MDC1000A	AN1101/D	MOC8101	AN1108/D		AN1313/D
	AR341/D		AN1325/D		AN1315/D
	EB142/D	MOC8102	AN1078/D		AN1318/D
MDC1000B	EB142/D		AN1080/D		AN1324/D
MDC1000C	EB142/D		AN1101/D	MPX2050	AN1312/D
MDC4010A	AN1322/D		AN1108/D		AN1313/D
MDC4510A	AN1322/D		AR341/D		AN1315/D
MFE2012	AN211A/D		EB126/D		AN1324/D
MFE4007	AN211A/D	MOC8104	AN1108/D	MPX2100	AN1082/D
MFOD71	ANE007/D	MPC1500	AR138/D		AN1309/D
MFOE71	ANE007/D	MPF102JFET	AN211A/D		AN1313/D
MGP20N50	AN934/D	MPM3002	AN1078/D		AN1315/D
MGTO1400	AR159/D		AN1213/D		AN1318/D
MHW607	AN1107/D		AN1300/D		AN1322/D
MHW612	EB107/D		AN1301/D		AN1324/D
MHW613	EB107/D		EB123/D	MPX2200	AN1100/D
MHW709	EB107/D		EB128/D		AN1312/D
MHW710	EB107/D	MPM3003	AN1046/D		AN1313/D
MHW720	EB107/D	MPM3004	AN1120/D		AN1315/D
MHW801	AN1106/D	MPM3017	AN1319/D		AN1318/D
MHW808	EB107/D	MPN3401	AN753/D		AN1324/D
MHW820	EB107/D	MPN3402	AN753/D	MPX2700	AN1312/D
MHW851	AN1106/D	MPS650	AN1308/D		AN1313/D
MHW612	EB107/D	MPS750	AN1308/D		AN1315/D
MHW5122A	AN1107/D	MPS6519	EB48/D		AN1324/D
MHW5185	AN1107/D	MPS8099	AN1308/D	MPX5100	AN1304/D
MJ14003	AR450/D	MPS8599	AN1308/D		AN1305/D
MJ16004	AN952/D	MPSA56	AN1300/D		AN1307/D
MJ16008	AN952/D	MPSA06	AN1300/D		AN1318/D
MJ16012	AN952/D	MPSG1000	AN1076/D		AN1322/D
MJ16016	AN952/D		AN1078/D		AR502S/D
MJ16018	AN952/D	MPSW06	AN1300/D	MPX5100A	AR502S/D
MJE200	EB79/D		AN1308/D	MPX5100D	AR501S/D
MJE1123	AR514/D	MPSW56	AN1308/D		AR502S/D
MJE16106	EB85A/D	MPU6805	AN989/D	MPX7000	AN1303/D
MJE18004	AN1080/D	MPX10	AN935/D		AN1318/D
MJF15030	AN1308/D	MPX11	AN935/D	MPX7100	AN1303/D
MJF15031	AN1308/D	MPX12	AN935/D	MR506	AN1325/D
MJH6085	AR511/D	MPX50	AN935/D	MR2520L	AR450/D
MJH16006A	AN951/D	MPX50D	BF8401/D	MRD360	AN1016/D
MJH16106	EB85A/D	MPX100	AN935/D	MRD750	AN1120/D

Device Cross Reference

MMRD821	AN1016/D	MTP4N50E	AN1108/D	PCF8573	AN1066/D
	AN1203/D	MTP4N90	AN1080/D	RS232C	EB150/D
MRD3056	AN1016/D	MTP7N20	EB85A/D	RS422A	EB150/D
MRF50	EB104/D	MTP8N50	EB85A/D	RS423A	EB150/D
RF141G	AN1041/D	MTP8N50E	AN1108/D	RS485	EB150/D
MRF150	AR141/D	MTP10N10M	AN976/D	SC371016 J1850	AN1212/D
MRF151G	AN1041/D		AN1001/D	SG1525A	EB85A/D
MRF153	AN1041/D		AR160/D	SG1526	EB85A/D
	AR176/D	MTP10N25	EB85A/D	SN75172	AN781A/D
MRF154	AN1041/D		EB141/D	SN75173	AN781A/D
MRF155	AN1041/D	MTP12N10	AN1042/D	SN75174	AN781A/D
MRF175G	AN1041/D		AR157/D	SN75175	AN781A/D
MRF176G	AN1041/D	MTP12N20	EB85A/D	SN75176	EB150/D
MRF227	EB29/D	MTP12P10	AN1042/D	TCAP2	AN1120/D
MRF237	AN955/D	MTP15N05	AR164/D	TDA3301	AN1044/D
MRF260	EB90/D	MTP40N06M	AN1078/D	TDA3330	AN1019/D
	EB93/D	MTP3055	AN1102/D	TDA4601	ANE402/D
MRF262	EB90/D	MTP3055E	AN1102/D	TL431	AN1108/D
	EB93/D		EB126/D		EB85A/D
MRF264	EB93/D	MTP3055EL	AN1076/D	TL431CLP	AN1108/D
MRF422	EB27A/D		AN1102/D	TL494	EB85A/D
MRF430	AN1041/D	MTS102	BF8401/D	TP1940	AN438/D
MRF553	AN938/D	MTW7N80E	AN1325/D	TP3400	AN1038/D
MRF607	EB29/D	MTW23N25E	AN1101/D	TP9383	AN438/D
MRF630	EB109/D		AR341/D		AN1037/D
MRF650	AN1107/D	MUR105	AR131/D	TPV375	AN1028/D
MRF966	AN925/D	MUR150	EB407/D	TPV593	AN1039/D
MRF1946A	AN955/D	MUR405	AR131/D	TPV596	AN1029/D
MRF2001	EB89/D	MUR450	EB407/D	TPV597	AN1030/D
MS16	AN801/D	MUR804PT	EB85A/D	TZA120	AN1082/D
MTB23P06E	AN1317/D	MUR3015PT	EB85A/D	UAA1041	AN428/D
MTB36N06E	AN1317/D	MUR3040PT	EB85A/D	UC3842A	AN1080/D
MTD10N05E	AR323/D	MUR8100	AN952/D		ANE424/D
MTH5N100	AR326/D	MUR10010CT	EB85A/D	UC3843	EB126/D
MTH7N50	EB85A/D	MUR10015CT	EB85A/D	UC3843A	AN1080/D
MTH13N50	EB85A/D	MUR20010CT	EB85A/D	UC3844	AN1108/D
MTH15N20	EB85A/D	MURH840	AN1325/D	UC3844AN	AN1108/D
MTM15N40	AR157/D	MV2115	AN1207/D	UC3845	AN1108/D
MTP2N50	AN1090/D	P6KE30	AR450/D	µA78S40	AN920/D
MTP4N50	AN929/D	PAL16R4-7	APR11/D	V39MA2A	AR450/D
	EB85A/D	PAL22V10	APR11/D	ZC94304	ANE422/D



# **Applications and Product Literature Selector Guide**



# Applications and Product Literature Selector Guide

## A/D and D/A Conversion

- \*AN559/D A Single Ramp Analog-to-Digital Converter
- AN587/D Analysis and Design of the Op Amp Current Source
- \*AN713/D Binary D/A Converters Can Provide BCD-Coded Conversion
- AN869/D Application Summary for the MC6805R2( )1 Single-Chip Microcomputer with A/D Converter
- \*AN877/D Precision Voltage References for the MC10315/MC10317 Flash A-D Converters
- AN900/D Using the M6805 Family On-Chip 8-bit A/D Converter
- AN1058/D Reducing A/D Errors in Microcontroller Applications
- AN1062/D Using the QSPI for Analog Data Acquisition
- AN1207/D The MC145170 in Basic HF and VHF Oscillators
- AN1211/D Interfacing DACs and ADCs to the NEURON IC
- AN1216/D Setback Thermostat Design Using the Neuron IC
- EB51/D Successive Approximation BCD A/D Converter
- EB155/D Analog to Digital Conversion with the Neuron Chip

*Additional Information relevant to A/D and D/A Conversion may be found in the following Motorola documents:*

- ADCRM/AD Analog-to-Digital Converter Reference Manual
- BR1418/D Military Analog, Telecom and Special Functions Fact Sheet
- DL412/D Industrial Control Applications Manual
- SG96/D Linear and Interface Integrated Circuits Selector Guide & Cross Reference
- SG117/D Data Conversion Products
- SG169/D MOS Digital-Analog Integrated Circuits
- SGE102R1/D CMOS System IC Selection Guide

## ASICs (Application Specific ICs)

- AN953/D Binary Addition/Subtraction and Binary/BCD Addition Utilizing Motorola's MCA2500 ECL Macrocell Array
- AN977/D Third Generation ECL Macrocell Arrays
- AN981/D Building Counters with Motorola's Macrocell Arrays
- \*AN989/D ASIC MPU6805 Standard Cell Interrupt Handling
- AN1093/D Delay and Timing Methods for CMOS ASICs
- AN1094/D Thermally Enhanced Quad Flat Packages
- AN1095/D Clock Distribution Techniques for HDC Series Arrays
- AN1096/D Guidelines for Using the Mustang™ ATPG System
- AN1099/D Test Methodology and Release Issues for HDC Series Gate Arrays
- AN1500/D IEEE Std. 1149.1 Boundary Scan for H4C™ Arrays
- AN1502/D Embedded RAM BIST
- AN1508/D High Frequency Design Techniques and Guidelines for Bipolar Gate Arrays
- AN1509/D ASIC Clock Distribution Using a Phase-Locked-Loop (PLL)
- AN1514/D H4CPlus™ Series 3.3 V/5 V Design Considerations
- AR108/D Macrocell Arrays: An Alternative to Custom LSI
- AR128/D Array-Based Logic Boosts System Performance
- AR306/D Densest Gate Arrays Ever from LSI Logic, Motorola
- AR307/D Jumbo High-Density Gate Arrays Score a Round of Industry Firsts
- AR308/D Motorola's Arrays Hit a New High: 80% Gate Utilization
- AR309/D High-Density ASIC Family Achieves 100k-Cell Arrays

**ASICs (Application Specific ICs) continued**

- AR310/D Software for Sea-of-Gates Arrays Places and Routes Over 70% of Available Gates
- AR512/D Gate Arrays Challenge Standard-Cell ASICs
- AR520/D Applications Specific MultiChip Modules
- AR524/D Pick the Right Package for Your Next ASIC Design

*Additional Information relevant to ASICs (Application Specific ICs) may be found in the following Motorola documents:*

- BR165/D MCA800ECL MCA2500ECL Macrocell Array Design Manual
- BR334/D ASIC Semicustom Circuits
- BR449/D** Gate Arrays and Standard Cells
- BR746/D Cell Based Products – Questions and Answers
- BR916/D Packaging Manual for ASIC Arrays
- BR1400/D OACS (ASIC) – Open Architecture CAD System
- BR1409/D ECL300 Logic Array
- BR1417/D OACS 3.1M – New Generation Open Architecture CAD System
- BRE302S/D** Motorola's High Performance Macrocell Arrays – the MCA2900ETL
- BRE323/D** Your Complete Standard Cell Design Solution
- BRE368R1/D** MPU6805 Evaluation Board
- DL152/D MDA15 CMOS Standard Cell Data
- DL154/D MDA08 CMOS Standard Cell Data
- H4CDM/D H4C Series Design Reference Guide
- H4CPDM/D H4CPlus Series Design Reference Guide
- H4CPDMAD/D Supplement to H4CPlus Design Reference Guide
- HDCDM/D HDC Series Design Reference Guide
- MC92005UM/D MC92005 SBus Slave Interface Controller User's Manual
- MCA3ETLDM/D MCA3ETL Series Design Manual
- MCA10000DM/D MCA10000ECL Macrocell Array: MCA3 Series Design Manual
- SG138/D Commercial Plus and Mil/Aero Application IC & Discrete Selector Guide
- SG169/D MOS Digital-Analog Integrated Circuits
- SG367/D Semicustom Circuits
- SGE115/D** Motorola ASICs and CMOS Standard Cell Arrays
- SGE116/D** Motorola ASICs and CMOS Macrocell Arrays

**Audio Amplifiers**

- AN421/D** Semiconductor Noise Figure Considerations
- AN484A/D** Basic Design of Medium Power Audio Amplifiers (3 to 35 Watt)
- AN485/D** High-Power Audio Amplifiers with Short-Circuit Protection
- AN1042/D High Fidelity Switching Audio Amplifiers Using TMOS Power MOSFETs

- AN1081/D Minimize the "pop" in the MC34119 Low Power Audio Amplifier
- AN1308/D 100 and 200 Watt High Fidelity Audio Amplifiers Utilizing a Wideband Low Feedback Design

*Additional Information relevant to Audio Amplifiers may be found in the following Motorola documents:*

- BR924/D Military Analog Lineup
- BR1413/D Military 35102 Sleep-Mode Op Amp
- BR1418/D Military Analog, Telecom and Special Functions Fact Sheet
- DL111/D Bipolar Power Transistor Data
- DL126/D Small-Signal Transistors, FETs and Diodes Device Data
- DL414/D FET Applications Manual
- SG96/D Linear and Interface Integrated Circuits Selector Guide & Cross Reference

**Automotive Applications**

- AN428/D Automotive Direction Indicator with Short Circuit Detection Using the UAA1041
- AN1067/D Pulse Generation and Detection with Microcontroller Units
- ANE007/D Automotive Multiplex Wiring – An Example
- AR267/D Moto Answers Back
- AR517/D High Resolution Position Sensor for Motion Control System
- EB126/D Ultra-Rapid Nickel-Cadmium Battery Charger
- EB409/D The MI-BUS and Product Family for Multiplexing Systems

*Additional Information relevant to Automotive Applications may be found in the following Motorola documents:*

- BR470/D** Motorola Discretes – The Complete Solution
- BR477/D Smart Mover – Stepper Motors with Integrated Serial Bus Controller
- BR934/D Sensing Solutions from Motorola – Sensors for the Automotive Industry
- BR1305/D Linear Integrated Circuits: New Product Calendar
- BRE427R1/D** Automotive Semiconductors
- SG96/D Linear and Interface Integrated Circuits Selector Guide & Cross Reference

**Computer Systems**

- AN444/D An MC68040-based Zero Wait State Evaluation System
- AN451/D An MC68340-based Input/Output Processor Design



**Computer Systems** continued

- \*AN581/D An MSI 500 MHz Frequency Counter Using MECL and MTTL
- AN730A/X A High Speed FIFO Memory Using the MECL MCM10143 Register File
- \*AN738/D NBCD Sign and Magnitude Adder/Subtractor
- \*AN741/D Interface Considerations for Numeric Display Systems
- \*AN742/D A 200 MHz Autoranging MECL – CMOS Frequency Counter
- \*AN759/D A CMOS Keyboard Data Entry System for Bus Oriented Memory Systems
- AN770/D Data Acquisition Networks with NMOS and CMOS
- \*AN806A/D Operation of the MC14469
- AN917/D Reading and Writing in Floppy Disc Systems Using Motorola Integrated Circuits
- AN994RE/D 32-bit Computer Design Using 68020/68881/68851
- AN1050/D Designing for Electromagnetic Compatibility (EMC) with HCMOS Microcontrollers
- AN1051/D Transmission Line Effects in PCB Applications
- AN1061/D Reflecting on Transmission Line Effects
- AN1091/D Low Skew Clock Drivers and their System Design Considerations
- AN1207/D The MC145170 in Basic HF and VHF Oscillators
- AN1405/D ECL Clock Distribution Techniques
- AN1406/D Designing with PECL (ECL at +5.0V)
- AN1408/D Power Dissipation for Active SCSI Terminators
- AN1504/D Metastability and the ECLinPS™ Family
- APR10/D DSP96002 Interface Techniques and Examples
- \*AR261/D Multiprocessors Boost System Power
- \*AR275/D Opus Systems' 88000 Workstation

*Additional Information relevant to Computer Systems may be found in the following Motorola documents:*

- BR452/D Motorola Development Support Guide
- BR724/D 88open Sourcebook, Edition 4
- BR1305/D Linear Integrated Circuits: New Product Calendar
- BR1331/D Introducing Motorola's ALExis Bus Interface Solutions
- BR1332/D Logic Integrated Circuits Division: New Product Calendar
- BR1333/D Low Skew Clock Drivers and Programmable Delay Circuits
- BR1409/D ECL300 Logic Array
- BRE147/D Architectural Contrast: M68000 Family and the 8086/iAPX86
- BRE150/D M68000 vs. iAPX86 Benchmark Performance
- DL155/D Dynamic RAMs and Modules
- DL156/D Fast Static RAM – BiCMOS, CMOS and Module Data
- SG169/D MOS Digital-Analog Integrated Circuits
- SG366/D TTL, ECL, CMOS and Special Logic Circuits Selector Guide

**Digital Signal Processing (DSP)**

- AN1051/D Transmission Line Effects in PCB Applications
- AN1213/D 16-bit DSP Servo Control with the MC68HC16Z1
- ANE408/D Logarithmic/Linear Conversion Routines for DSP56000/1
- APR1/D Digital Sine-Wave Synthesis Using the DSP56001/DSP56002
- APR2/D Digital Stereo 10-Band Graphic Equalizer Using the DSP56001
- APR3/D Fractional and Integer Arithmetic Using the DSP56000 Family of General-Purpose Digital Signal Processors
- APR4/D Implementation of Fast Fourier Transforms on Motorola's Digital Signal Processors
- APR5/D Implementation of PID Controllers on the Motorola DSP56000/DSP56001
- APR6/D Convolutional Encoding and Viterbi Decoding Using the DSP56001 with a V.32 Modem Trellis Example
- APR7/D Implementing IIR/FIR Filters with Motorola's DSP56000/DSP56001
- APR8/D Principles of Sigma-Delta Modulation for Analog-to-Digital Converters
- APR9/D Full-Duplex 32-kbit/s CCITT ADPCM Speech Coding on the Motorola DSP56001
- APR10/D DSP96002 Interface Techniques and Examples
- APR11/D DSP56001 Interface Techniques and Examples
- APR12/D Twin CODEC Expansion Board for the DSP56000 Application Development System
- APR14/D Conference Bridging in the Digital Telecomms Environment Using the Motorola DSP56000
- APR15/D Implementation of Adaptive Controllers on the Motorola DSP56000/DSP56001
- APR401/D Twin CODEC Expansion Board for the DSP56000 Application Development System
- APR402/D Low Cost Controller for DSP56001
- APR404/D G.722 Audio Processing on the DSP56100 Microprocessor Family
- DC407/D Interfacing MC68020 and MC68030 to DSP56001 Host Port
- DCE406/D Interface for MC68000 to DSP56001 Host Port

*Additional Information relevant to DSP may be found in the following Motorola documents:*

- BR282/D DSP56000 Technical Summary – 56-bit General Purpose Digital Signal Processor
- BR297/D Dr. Bub – DSP Electronic Bulletin Board
- BR460/D The European Blue Book, 1992 – Qualified Semiconductor Products

**Digital Signal Processing (DSP) continued**

BR517/D	DSP56000ADSx & DSP56KEMULTRCABL for DSP56000 Family Products
BR522/D	DSP320 to 56001 Software Summary
BR526/D	DSP56KCCx DSP56000/DSP56001 C Cross Compiler – Software Summary
BR541/D	DSP56KCCx DSP56000/DSP56001 C Cross Compiler – Software Summary
BR718/D	DSP56ADC16EVB Evaluation Board and Software
BR725/D	DSP96000CLASx Software Summary
BR749/D	DSP96000ADSx Application Development System
BR786/D	DSP56156ADSx Application Development System
BR911/D	Military Microprocessor Fact Sheet
BR912/D	The Military DSP56001 is Available Now
BR1105/D	DSP – Motorola's 16, 24 and 32-bit Digital Signal Processing Families
BR1402/D	Military DSP96002
DL411/D	Communications Applications Manual
DSP56KFAMUM/AD	DSP56000 Digital Signal Processor Family Manual
DSP56000UM/AD	DSP56000/DSP56001 Digital Signal Processor User's Manual
DSP56116UM/AD	DSP56116 Digital Signal Processor User's Manual
DSP96002UM/AD	DSP96002 IEEE Floating-Point Dual-Port Processor User's Manual
SG138/D	Commercial Plus and Mil/Aero Application IC & Discrete Selector Guide
SG146/D	Digital Signal Processors Update
SG416/D	Clock Driver Selector
TB324/D	Real Time Digital Signal Processing Applications with Motorola's DSP56000 Family (Mohamed El-Sharkawy, 1990)

**FET**

AN211A/D	Field Effect Transistors in Theory and Practice
AN220/D	FETs in Chopper and Analog Switching Circuits
AN462/D	FET Current Regulators – Circuits and Diodes
*AN845/D	New Power Bipolars Compare Favourably with FETs for Switching Efficiency
AN860/D	Power MOSFETs versus Bipolar Transistors
AN913/D	Designing with TMOS Power MOSFETs
AN918/D	Paralleling Power MOSFETs in Switching Applications
AN929/D	Insuring Reliable Performance from Power MOSFETs
AN976/D	A New High Performance Current Mode Controller Teams Up with Current Sensing Power MOSFETs

AN1000/D	SENSEFETs For High Frequency Applications
AN1001/D	Understanding SENSEFETs
AN1043/D	Spice Model for TMOS Power MOSFETs
AN1076/D	Speeding up Horizontal Outputs
AN1090/D	Understanding and Predicting Power MOSFET Switching Behavior
AN1101/D	One-Horsepower Off-Line Brushless Permanent Magnet Motor Drive
AN1102/D	Interfacing Power MOSFETs to Logic Devices
AN1120/D	Basic Servo Loop Motor Control Using the MC68HC05B6 MCU
AN1317/D	High-Current DC Motor Drive Uses Low On-Resistance Surface Mount MOSFETs
AN1320/D	300 Watt, 100 kHz Converter Utilizes Economical Bipolar Planar Power Transistor
AR141/D	Applying Power MOSFETs in Class D/E RF Power Amplifier Design
AR160/D	Lossless Current Sensing with SENSEFETs Enhances Motor Drive
AR175/D	A Power FET SPICE Model from Data Sheet Specs
AR326/D	High-Voltage MOSFETs Simplify Flyback Design
AR346/D	RF Power FETs: Their Characteristics and Applications
EB104/D	Get 600 Watts RF from Four Power FETs
EB123/D	A Simple Brush Type DC Motor Controller
EB124/D	MOSFETs Compete with Bipolars in Flyback Power Supplies
EB125/D	Testing Power MOSFET Gate Charge
EB128/D	Simple, Low-Cost Motor Controller
EB131/D	Curve Tracer Measurement Techniques for Power MOSFETs
EB141/D	Boost MOSFETs Drive Current in Solid State AC Relay
EB142/D	The MOSFET Turn-Off Device – A New Circuit Building Block

**Additional Information relevant to FET**  
may be found in the following Motorola documents:

BR470/D	Motorola Discretes – The Complete Solution
BR904/D	MIL-Processed Devices: Technical Data
BR923/D	Discrete & Materials Technologies Group, Reliability Audit Report
BR1414/D	MIL-Processed Hermetic Power Discrete Semiconductors
DL126/D	Small-Signal Transistors, FETs and Diodes Device Data
DL135/D	TMOS Power MOSFET Transistor

## FET continued

DL148/D	Discrete Military Operations Data
DL414/D	FET Applications Manual
<b>SG145E/D</b>	Small Signal FETs: Siliconix to Motorola Cross Reference
SG163/D	SOT-223 Surface Mount Products Selector Guide
SG265/D	Power MOSFETs Update
SG272/D	TO-247 Selector Guide
SG275/D	Surface Mount Packages, Small-Signal Operations

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**Instrumentation and Control**

AN220/D	FETs in Chopper and Analog Switching Circuits
AN421/D	Semiconductor Noise Figure Considerations
AN431/D	Temperature Measurement and Display Using the MC68HC05B4 and the MC14489
<b>AN470/D</b>	Bipolar Chopper Transistors and Circuits
*AN541/D	Medium Scale Integration in the Numerical Control Field
*AN581/D	An MSI 500MHz Frequency Counter Using MECL and MTTL
*AN742/D	A 200MHz Autoranging MECL – McMOS Frequency Counter
*AN782/D	Interfacing and Controlling Digital Temperature Data Using the MC6800
AN885/D	A General Purpose Frequency Counter Using an M6805 HMOS/M146805 CMOS
*AN889/D	MC14500B Development System
AN923/D	800MHz Test Fixture Design
AN924/D	Measurement of Zener Voltage to Thermal Equilibrium with Pulsed Test Current
AN1050/D	Designing for Electromagnetic Compatibility (EMC) with HCMOS Microcontrollers
AN1058/D	Reducing A/D Errors in Microcontroller Applications
AN1065/D	Use of the MC68HC68T1 Real-Time Clock with Multiple Time Bases
AN1067/D	Pulse Generation and Detection with Microcontroller Units
AN1102/D	Interfacing Power MOSFETs to Logic Devices
AN1126/D	Evaluation Systems for Remote Control Devices on an Infrared Link
AN1304/D	Integrated Sensor Simplifies Bar Graph Pressure Gauge
AN1305/D	An Evaluation System for Direct Interface of the MPX5100 Pressure Sensor with a Microprocessor

AN1316/D	Frequency Output Conversion for MPX2000 Series Pressure Sensors
AN1405/D	ECL Clock Distribution Techniques
APR15/D	Implementation of Adaptive Controllers on the Motorola DSP56000/DSP56001
AR255/D	Simplified Remote Control Circuits
AR511/D	Biasing Solid State Amplifiers to Linear Operation
AR517/D	High Resolution Position Sensor for Motion Control System
BF8105/D	MC145026 and MC145027 Remote Control System
DC410/D	Fuzzy Logic – A New Approach to Embedded Control Solutions
EB48/D	A Time Base and Control Logic Subsystem for High-Frequency, High-Resolution
EB157/D	Creating Applications with the LonBuilder Multi-Function I/O Kit
EB159/D	Neuron Chip-based Installation of LonWorks Networks
EB409/D	The MI-BUS and Product Family for Multiplexing Systems

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*Additional Information relevant to Instrumentation and Control may be found in the following Motorola documents:*

BR332/D	Motorola Operational Amplifiers: Still Growing Strong
BR924/D	Military Analog Lineup
BR1413/D	Military 35102 Sleep-Mode Op Amp
<b>BRE414/D</b>	The MC34080 Series of J-FET Input Op Amps
<b>BRE415/D</b>	J-FET and Bipolar Operational Amplifiers – Linear Leader
<b>BRE417/D</b>	Motorola/TI Cross Reference Chart
DL412/D	Industrial Control Applications Manual
LONPROD/D	LonWorks Products 1992
SG96/D	Linear and Interface Integrated Circuits Selector Guide & Cross Reference
SG117/D	Data Conversion Products
SG169/D	MOS Digital-Analog Integrated Circuits
<b>SGE102R1/D</b>	CMOS System IC Selection Guide

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**Interfacing**
*see also Telecommunications*

AN442/D	Driving LCDs with M6805 Microprocessors
AN449/D	An MC68340 to M88000 MBUS Bus Translator
AN451/D	An MC68340-based Input/Output Processor Design

## Interfacing continued

AN453/D	Serial Peripheral Interface Device Emulation Routine for the MC68340	DC409/D	FDDI Chip Set Interface to an 80486 System
AN708A/D	Line Driver and Receiver Considerations	EB406/D	Getting Started with the FDDI ADS Board
*AN741/D	Interface Considerations for Numeric Display Systems	EB409/D	The MI-BUS and Product Family for Multiplexing Systems
AN781A/D	Revised Data-Interface Standards	<hr/> <i>Additional information relevant to interfacing may be found in the following Motorola documents:</i> <hr/>	
*AN782/D	Interfacing and Controlling Digital Temperature Data Using the MC6800	BR428/D	Standard Digital Bus Interfaces
*AN801/D	Using Input/Output Modules in Industrial Control Applications	BR477/D	Smart-Mover – Stepper Motors with Integrated Serial Bus Controller
AN864A/D	Interfacing Multiplexed Bus Peripherals with Non-Multiplexed MPUs	BR1305/D	Linear Integrated Circuits: New Product Calendar
AN991/D	Using the Serial Peripheral Interface to Communicate Between Multiple Microcomputers	BR1331/D	Introducing Motorola's ALExIS Bus Interface Solutions
AN993/D	Serial-to-Parallel Converter Using the MC68705P3	BR1332/D	Logic Integrated Circuits Division: New Product Calendar – Fourth Quarter, 1992
AN1016/D	Infrared Sensing and Data Transmission Fundamentals	BR1415/D	Military Telecom Special Functions
AN1061/D	Reflecting on Transmission Line Effects	DL411/D	Communications Applications Manual
AN1066/D	Interfacing the MC68HC05C5 SIOP to an I <sup>2</sup> C Peripheral	DL412/D	Industrial Control Applications Manual
AN1082/D	Simple Design for a 4-20mA Transmitter Interface Using a Motorola Pressure Sensor	MC6801RM/AD2	MC6801 8-bit Single-Chip Microcomputer Reference Manual
AN1102/D	Interfacing Power MOSFETs to Logic Devices	SG96/D	Linear and Interface Integrated Circuits Selector Guide & Cross Reference
AN1123/D	MCS3201 Floppy Disk Controller in MC68000 System	SG117/D	Data Conversion Products
AN1126/D	Evaluation Systems for Remote Control Devices on an Infrared Link	SG169/D	MOS Digital-Analog Integrated Circuits
AN1203/D	A Software Method for Decoding the Output from the MC14497/MC3373 Combination	TB316/D	Single- & Multi-Chip MCU Interfacing (Lipovski, 1988)
AN1316/D	Frequency Output Conversion for MPX2000 Series Pressure Sensors	TB318/D	Microprocessor Systems Design: 68000 Hardware, Software and Interfacing (Clements, 1987)
AN1402/D	MC10/100H00 Translator Family I/O SPICE Modelling Kit	<hr/>	
AN1404/D	ECLinPS Circuit Performance at Non-Standard V/H Levels	<b>Logic</b>	
AN1406/D	Designing with PECL (ECL at +5.0V)	<b>CMOS</b>	
AN1408/D	Power Dissipation for Active SCSI Terminators	AN450/D	IC Design: A Statistical Approach to Electromigration
ANE007/D	Automotive Multiplex Wiring – An Example	*AN738/D	NBCD Sign and Magnitude Adder/Subtractor
ANE405/D	Bi-Directional Data Transfer Between MC68HC11 and MC6805L3 Using SPI	*AN741/D	Interface Considerations for Numeric Display Systems
ANE415/D	MC68HC11 Implementation of IEEE-488 Interface for DSP56000 Monitor	*AN742/D	A 200MHz Autoranging MECL – CMOS Frequency Counter
AR223/D	SCSI Protocol and Controller Ease Bus Arbitration	*AN753/D	Scanning Logic for RF Scanner-Receivers Using CMOS Integrated Circuits
AR266/D	LCD Driver with Serial Interface	*AN759/D	A CMOS Keyboard Data Entry System for Bus Oriented Memory Systems
		AN770/D	Data Acquisition Networks with NMOS and CMOS
		*AN806A/D	Operation of the MC14469
		AN1091/D	Low Skew Clock Drivers and their System Design Considerations
		AN1102/D	Interfacing Power MOSFETs to Logic Devices
		AN1400/D	MC10/100H640 Clock Driver Family I/O SPICE Modelling Kit

**Logic:** CMOS continued

- AN1401/D Using SPICE to Analyze the Effects of Board Layout on System Skew When Designing with the MC10/100H640 Family of Clock Drivers
- AN1402/D MC10/100H00 Translator Family I/O SPICE Modelling Kit
- AN1403/D FACT I/O Model Kit
- AN1406/D Designing with PECL (ECL at +5.0V)
- AN1408/D Power Dissipation for Active SCSI Terminators
- AR300/D The Hidden Dangers of Electrostatic Discharge – ESD

**Additional information relevant to CMOS may be found in the following Motorola documents:**

- BR460/D The European Blue Book, 1992 – Qualified Semiconductor Products
- BR1331/D Introducing Motorola's ALExIS Bus Interface Solutions
- BR1332/D Logic Integrated Circuits Division: New Product Calendar
- BR1407/D 3.3 Volt Logic & Interface Circuits
- BRE378/D** UnitPAK Packaging
- DL129/D High Speed CMOS Logic Data
- DL131/D CMOS Logic Data
- DL138/D FACT Data
- SG138/D Commercial Plus and Mil/Aero Application IC & Discrete Selector Guide
- SG366/D TTL, ECL, CMOS and Special Logic Circuits Selector Guide
- SGE102R1/D** CMOS System IC Selection Guide

**ECL**

- \*AN504/D The MC1600 Series MECL III Gates
- AN556/D Interconnection Techniques for Motorola's MECL 10,000 Series Emitter Coupled Logic
- AN567/D MECL Positive and Negative Logic
- \*AN579/D Testing MECL 10,000 Integrated Logic Circuits
- \*AN581/D An MSI 500MHz Frequency Counter Using MECL and MTTL
- \*AN700/D Simulate MECL System Interconnections with a Computer Program
- AN701/D Understanding MECL 10,000 DC and AC Data Sheet Specifications
- AN720/D Interfacing with MECL 10,000 Integrated Circuits
- AN726/D Bussing with MECL 10,000 Integrated Circuits
- AN730A/X A High Speed FIFO Memory Using the MECL MCM10143 Register File
- \*AN742/D A 200MHz Autoranging MECL – McMOS Frequency Counter

- \*AN774/D A Simple High Speed Bipolar Microprocessor Illustrates System Design and Microprogram Techniques
- AN1051/D Transmission Line Effects in PCB Applications
- AN1061/D Reflecting on Transmission Line Effects
- AN1092/D Driving High Capacitance DRAMs in an ECL System
- AN1400/D MC10/100H640 Clock Driver Family I/O SPICE Modelling Kit
- AN1401/D Using SPICE to Analyze the Effects of Board Layout on System Skew when Designing with the MC10/100H640 Family of Clock Drivers
- AN1402/D MC10/100H00 Translator Family I/O SPICE Modelling Kit
- AN1404/D ECLinPS Circuit Performance at Non-Standard VIH Levels
- AN1405/D ECL Clock Distribution Techniques
- AN1406/D Designing with PECL (ECL at +5.0V)
- AN1503/D ECLinPS™ I/O SPICE Modelling Kit
- AN1504/D Metastability and the ECLinPS™ Family
- AR519/D Low-Skew Clock Drivers: Which Type Is Best?

**Additional information relevant to ECL may be found in the following Motorola documents:**

- BR347/D Bipolar Logic Circuits – Quality & Reliability
- BR378/D Unit/PakSM Packing
- BR1330/D ECLinPS Lite Single Gate ECL Devices
- BR1332/D Logic Integrated Circuits Division: New Product Calendar
- BR1333/D Low Skew Clock Drivers and Programmable Delay Circuits
- BR1409/D ECL300 Logic Array
- BRE372/D** ECLIPS Mini Data Book
- BRE378/D** UnitPAK Packaging
- DL122/D MECL Device Data
- DL140/D ECLinPS Device Data
- DL145/D Military MECL Family Data
- DL413/D Radio, RF and Video Applications Manual
- HB205/D MECL System Design Handbook
- SG138/D Commercial Plus and Mil/Aero Application IC & Discrete Selector Guide
- SG366/D TTL, ECL, CMOS and Special Logic Circuits Selector Guide

**TTL**

- \*AN581/D An MSI 500MHz Frequency Counter Using MECL and MTTL
- AN1051/D Transmission Line Effects in PCB Applications
- AN1061/D Reflecting on Transmission Line Effects

**Logic:** TTL continued

- AN1091/D Low Skew Clock Drivers and Their System Design Considerations
- AN1102/D Interfacing Power MOSFETs to Logic Devices
- AN1400/D MC10/100H640 Clock Driver Family I/O SPICE Modelling Kit
- AN1401/D Using SPICE to Analyze the Effects of Board Layout on System Skew When Designing with the MC10/100H640 Family of Clock Drivers
- AN1402/D MC10/100H00 Translator Family I/O SPICE Modelling Kit
- AN1406/D Designing with PECL (ECL at +5.0V)

**Additional Information relevant to TTL  
may be found in the following Motorola documents:**

- BR347/D Bipolar Logic Circuits – Quality & Reliability
- BR378/D Unit/PakSM Packing
- BR460/D The European Blue Book, 1992 – Qualified Semiconductor Products
- BR1332/D Logic Integrated Circuits Division: New Product Calendar
- BRE378/D** UnitPAK Packaging
- DL121/D FAST and LS TTL Data
- DL138/D FACT Data
- DL142/D Military ALS/FAST/LS/TTL Data
- SG138/D Commercial Plus and Mil/Aero Application Military IC & Discrete Selector Guide
- SG366/D TTL, ECL, CMOS and Special Logic Circuits Selector Guide

**Memories**

- AN429/D MC68332 QSPI Interface for the MCM2814 EEPROM
- AN432/D 128K byte Addressing with the M68HC11
- AN434/D Serial Bootstrap for the RAM and EEPROM of the MC68HC05B6
- AN439/D Booting an MC68040 from a Single Byte-Wide EEPROM
- AN441/D MC68HC05E0 EPROM Emulator
- AN444/D An MC68040-based Zero Wait State Evaluation System
- AN446/D MCM2814 Gang-Programmer Using an MC68HC805B6
- AN447/D An MC88100/MC88200 20/25/33MHz System DRAM Design
- AN447A/X Appendix to AN447/D: "An MC88100/MC88200 20/25/33MHz System DRAM Design"
- AN452/D Using the MC68HC11K4 Memory Mapping Logic
- \*AN550/D Programming the MCM5003/5004 Programmable Read Only Memory

- AN730A/X A High Speed FIFO Memory Using the MECL MCM10143 Register File
- \*AN740/D The Design of an N-Channel 16K x 16 Bit Memory System for the PDP-11
- \*AN805/D The 5 Volt, 64K Dynamic RAM Is Here, So Is the 32K, So Is the 16K!!!
- \*AN816/D Software Refreshed Memory Card for the MC68000
- \*AN838/D High Performance Memory Design Technique for the MC68000
- \*AN909/D MCM2833 Functional Description
- AN941/D A 2.0MHz MC68B09E System with Transparent Refresh of Dynamic RAM
- AN971/D Avoiding Bus Contention in Fast Access RAM Designs
- AN973/D Avoiding Data Errors with Fast Static RAMs
- \*AN984/D 25MHz Logical Cache for an MC68020
- AN986/D Page, Nibble, and Static Column Modes: High-Speed, Serial-Access Options on 1M-Bit + DRAMs
- AN987/D DRAM Refresh Modes
- AN1051/D Transmission Line Effects in PCB Applications
- AN1059/D Pseudo Static RAM Simplifies Interfacing with Microprocessors
- AN1061/D Reflecting on Transmission Line Effects
- AN1063/D DRAM Controller for the MC68340
- AN1092/D Driving High Capacitance DRAMs in an ECL System
- AN1124/D 1 Meg to 4 Meg DRAM Upgrading
- AN1125/D DRAM Interface to the MC8820M Bus
- AN1127/D High Speed DRAM Design for the 40MHz MC68EC030
- AN1129/D Effect of Cache Memory and Latency on MC88100 Performance
- AN1214/D MC88110 64-bit External Bus Interface to 16-bit EPROM
- AN1223/D A Zero Wait State Secondary Cache for Intel's Pentium™
- AN1502/D Embedded RAM BIST
- APR11/D DSP56001 Interface Techniques and Examples
- AR241/D Building Fast SRAMs with No Process 'Tricks'
- \*AR248/D Memory Management in the 68030 Microprocessor
- AR256/D Motorola's Radical SRAM Design Speeds Systems 40%
- \*AR257/D Maximize Performance by Choosing Best Memory
- AR258/D High Frequency System Operation Using Synchronous SRAMs
- AR260/D Enhancing System Performance Using Synchronous SRAMs

**Memories continued**

AR270/D	Designing a Cache for a Fast Processor
<b>ARE001/D</b>	High-Speed Components and a Cache Memory Lower Access Times
DC001/D	Virtual Memory Using the MC68000 and the MC68451
EB162/D	Programming Tips (MC88110)
EB163/D	Running the MC88110 in Lockstep
EB164/D	Interrupt Latency in the MC88110
EB165/D	Hardware Implications of xmem as a st followed by a ld
EB404/D	"Memories Are Made of This" ... a Look at Memory Considerations for Smart Card Applications

*Additional information relevant to Memories may be found in the following Motorola documents:*

BR905/D	Military Fast Static RAM Fact Sheet
BR915/D	The Military 32K x 8 is Available Now
BR1100/D	Semiconductor Products Sector Memory Products Reliability and Quality Report
<b>BRE306R1/D</b>	Monolithic Diode Arrays
DL122/D	MECL Device Data
DL155/D	Dynamic RAMs and Memory Modules
DL156/D	Fast Static RAM – BICMOS, CMOS and Module Data
MC88200UM/AD	MC88200 Cache/Memory Management Unit User's Manual
SG138/D	Commercial Plus and Mil/Aero Application IC & Discrete Selector Guide
SG171/D	Fast Static RAM Update
SG172/D	Dynamic kRAM Update
SG366/D	TTL, ECL, CMOS and Special Logic Circuits Selector Guide
<b>SGE102R1/D</b>	CMOS System IC Selection Guide

**Microprocessors****8-bit MPU/MCU**

AN427/D	MC68HC11 EEPROM Error Correction Algorithms in C
AN431/D	Temperature Measurement and Display Using the MC68HC05B4 and the MC14489
AN432/D	128K byte Addressing with the M68HC11
AN433/D	TV On-Screen Display Using the MC68HC05T1
AN434/D	Serial Bootstrap for the RAM and EEPROM1 of the MC68HC05B6
AN440/D	MC68HC805B6 and MC68HC705B5 Serial/Parallel Programming Module
AN441/D	MC68HC05E0 EPROM Emulator
AN442/D	Driving LCDs with M6805 Microprocessors

AN446/D	MCM2814 Gang-Programmer Using an MC68HC805B6
AN448/D	"FLOF" Teletext using M6805 Microcontrollers
AN452/D	Using the MC68HC11K4 Memory Mapping Logic
AN456/D	Using PCbug11 as a Diagnostic Aid for Expanded Mode M68HC11 Systems
AN458/D	A Self-Test Approach for the MC68HC11A/E
AN459/D	A Monitor for the MC68HC05E0
AN460/D	An RDS Decoder Using the MC68HC05E0
*AN797/D	MC6801/03 Port Expansion
*AN807/D	Special Considerations in Using the MC6801 Interrupt Capabilities
*AN817/D	Asynchronous Communications for the MC68000 Using the MC6850
*AN820/D	Hardware Considerations for Direct Memory Access Using the MC6809 Microprocessor Unit and MC6844 DMA Controller
*AN852/D	Monitor for the MC146805G2L1 Microcomputer
AN857/D	MC68705P3/R3/U3 8-bit EPROM Microcomputer Programming Module
AN864A/D	Interfacing Multiplexed Bus Peripherals with Non-Multiplexed MPUs
*AN865/D	The MC6809/MC6809E SYNC Instruction
*AN866/D	Vectoring the Device Using Interrupt SYNC Acknowledge with the MC6809/MC6809E
AN885/D	Acknowledge with the MC6809/MC6809E
*AN888/D	Monitor for the MC146805F2L1 Microcomputer
AN892/D	A Dual Processor System, Using Two MC6809E MPUs on a Common Bus
AN894A/D	User Considerations for MC146818 Real Time Clock Applications
AN900/D	Using the M6805 Family On-Chip 8-bit A/D Converter
AN902/D	A Zero-Crossing Application for the M6805 HMOS Family
AN906A/D	Self-Programming the MC68701 and the MC68701U4
AN910/D	Self-Contained Self-Check Unit for M6805 Family Single-Chip Microcomputers
AN940/D	Telephone Dialing Techniques Using the MC6805
AN941/D	A 2.0MHz MC68B09E System with Transparent Refresh of Dynamic RAM
AN942/D	MC68704P2 8-bit EPROM Microcomputer Programming Module
AN966/D	MC68HC805C4 8-bit EPROM Microcomputer Programming Module
AN974/D	MC68HC11 Floating-Point Package
AN991/D	Using the Serial Peripheral Interface to Communicate Between Multiple Microcomputers





**Microprocessors: 8-bit MPU/MCU continued**

BR751/D	MC68HC711K4 Technical Summary
BR764/D	M68HC05 CSIC Portfolio
BR774/D	MC68HC11L6 Technical Summary
BR775/D	MC68HC711E9 Technical Summary
BR911/D	Military Microprocessor Fact Sheet
BR913/D	The Military 68HC11A0 and 68HC11A1 Are Available Now
BR922/D	Military MCU — 68HC811E2
BR1111/D	M68HC705J2/P9PGMR Programmer Board
BR1112/D	M68(HC)05 Customer Specified Integrated Circuit (CSIC) Microcontroller Unit (MCU) Literature
BR1113/D	M68HC705B5PGMR Programmer Board
BR1116/D	Advanced Microcontroller Unit (AMCU) Literature
BR1310/D	Our Low-Cost 68HC05 CSICs Can Take Your Designs to New Heights
BRE289/D	MC68HC811A2 Technical Summary
<b>BRE368R1/D</b>	MPU6805 Evaluation Board
<b>BRE435/D</b>	M1468705EVM Evaluation Module
<b>BRE529/D</b>	MC146805G2 Technical Summary
<b>BRE586/D</b>	MC68HC811E2 Technical Summary
DL408/D	8-bit MCU Applications Manual
DL411/D	Communications Applications Manual
<b>DLE404/D</b>	M6804 MCU Manual
HC711D3EVB/AD1	M68HC711D3EVB Evaluation Board User's Manual
HC711D3PGMR/AD1	M68HC11711D3PGMR Programmer Board User's Manual
M68HC05AG/AD	M68HC05 Applications Guide
M68HC05P9EVS/D1	M68HC05P9EVS Manual
M68HC11RM/AD	M68HC11 Reference Manual
M68HC16PN01/D	Transporting M68HC11 Code to M68HC16 Devices
M68PCBUG11/D2	M68HC11 PCbug11 User's Manual
M6805UM/AD3	M6805 HMOS / M146805 CMOS Family User's Manual
M6809PM/AD	MC6809-MC6809E Microprocessor Programming Manual
MC68HC05CxRG/AD	MC68HC05Cx HCMOS Single-Chip Microcontrollers Programming Reference Guide
MC68HC11A8RG/AD	MC68HC11A8 Programming Reference Guide
MC68HC11D3RG/AD	MC68HC11D3/MC68HC711D3 Programming Reference Guide
MC68HC11E9RG/AD	MC68HC11E9 Programming Reference Guide
MC68HC11F1RG/AD	MC68HC11F1 Programming Reference Guide
MC68HC11K4RG/AD	MC68HC11K4/MC68HC711K4 Programming Reference Guide
MC68HC11KA4RG/AD	MC68HC11KA4/MC68HC711KA4 Programming Reference Guide
MC68HC11L6RG/AD	MC68HCL6/MC68HC711L6 Programming Reference Guide
MC68HC811E2RG/D	MC68HC811E2 Programming Reference Guide

MCCIRM/AD	Multichannel Communication Interface Reference Manual
SG138/D	Commercial Plus and Mil/Aero Application IC & Discrete Selector Guide
SG165/D	CSIC Microcontrollers Update
SG166/D	Advanced Microcontroller Division Update
SG173/D	CSIC Modular Development Tools Update
<b>SGE102R1/D</b>	CMOS System IC Selection Guide
TB301/D	Basic Microprocessors and the 6800 (Bishop, 1979)
TB303/D	Using Microprocessors and Microcomputers: The Motorola Family (Greenfield and Wray, Rev. 1, 1988)
TB309/D	Programming the 6809 (Zaks & Labiak, 1982)
TB316/D	Single- & Multi-Chip MCU Interfacing (Lipovski, 1988)
TB327/D	Using Small Microcontrollers (Sibigroth, 1992)

**16-bit MPU/MCU**

AN461/D	An Introduction to the HC16 for HC11 Users
*AN802/D	Interconnections of the DS14500A ICU to the Motorola Mounting System Boards
*AN810/D	Dual 16-bit Ports for the MC68000 Using Two MC6821s
*AN815/D	Colour Graphics for the MC68000 Using the MC6847
*AN819/D	Prioritized Individually Vektored Interrupts for Multiple Peripheral Systems with the MC68000
AN854/D	The MC68230 Parallel Interface/Timer Provides an Effective Printer Interface
AN897/D	MC68008 Minimum Configuration System
AN899/D	A Terminal Interface, Printer Interface and Background Printer for an MC68000-Based System Using the MC68681 DUART
*AN996/D	MC68010 Microprocessor Prototype Board
AN1008/D	MC68824 Token Bus Controller to MC68010 Interface
AN1050/D	Designing for Electromagnetic Compatibility (EMC) with HCMOS Microcontrollers
AN1091/D	Low Skew Clock Drivers and their System Design Considerations
AN1123/D	MCS3201 Floppy Disk Controller in MC68000 System
AN1213/D	16-bit DSP Servo Control with the MC68HC16Z1
AN1214/D	MC88110 64-bit External Bus Interface to 16-bit EPROM
AN1217/D	Interfacing to the MC88110
APR402/D	Low Cost Controller for DSP56001
AR208/D	Design Philosophy Behind Motorola's MC68000
*AR216/D	Multiprocessor Architecture Tunes In to Transaction Processing

**Microprocessors: 16-bit MPU/MCU continued**

*AR226/D	Designing with the MC68008 Microprocessor
AR233/D	Software Links Math Chip to M68000 Family $\mu$ Ps
AR235/D	MC68000 Microprogrammed Architecture
AR243/D	A Comparison of M68000 Family Processors
*AR267/D	Moto Answers Back
DCE406/D	Interface for MC68000 to DSP56001 Host Port
EB164/D	Interrupt Latency in the MC88110

**Additional Information relevant to 16-bit MPU/MCU  
may be found in the following Motorola documents:**

BR231/D	M68000 Family Technical Literature
BR259/D	MC68008 Technical Summary
BR261/D	8/16/32-bit Microcontrollers from Motorola
BR275/D	MC68HC000 Technical Summary
<b>BR452/D</b>	Motorola Development Support Guide
BR460/D	The European Blue Book, 1992 – Qualified Semiconductor Products
BR476/D	Power to Perform – the M68HC16 Microcontroller
BR911/D	Military Microprocessor Fact Sheet
BR1116/D	Advanced Microcontroller Unit (AMCU) Literature
BR1333/D	Low Skew Clock Drivers and Programmable Delay Circuits
<b>BRE147/D</b>	Architectural Contrast: M68000 Family and the 8086/iAPX86
<b>BRE150/D</b>	M68000 vs. iAPX86 Benchmark Performance
CPU16RM/AD	M68HC16 Family Reference Manual
DL409/D	16/32-bit Application Manual
M68HC16PN01/D	Transporting M68HC11 Code to M68HC16 Devices
M6809PM/AD	MC6809-MC6809E Microprocessor Programming Manual
M68000UM/AD	M68000 8-/16-/32-bit Microprocessors User's Manual, Eighth Edition
MC68HC16Z1UM/AD	MC68HC16Z1 User's Manual
SG138/D	Commercial Plus and Mil/Aero Application IC & Discrete Selector Guide
SG166/D	Advanced Microcontroller Division Update
TB303/D	Using Microprocessors and Microcomputers: The Motorola Family (Greenfield and Wray, Rev. 1, 1988)
TB318/D	Microprocessor Systems Design: 68000 Hardware, Software and Interfacing (Clements, 1987)
TB320/D	The M68000 Family. Volume 1: Architecture, Addressing Modes and Instruction Set (Hilf & Nausch, 1989)
TB322/D	The M68000 Family. Volume 2: Applications and the M68000 Devices
TB323/D	The 68000 Book (Southern, 1990)

**32-bit MPU/MCU**

AN429/D	MC68332 QSPI Interface for the MCM2814 EEPROM
AN430/D	Adding Floating Point Support to an MC68030 High Performance System
AN435/D	MC68040 Benchmark Board
AN437/D	Using the MC68332 Periodic Interrupt Timer
AN439/D	Bootng an MC68040 from a Single Byte-Wide EEPROM
AN444/D	An MC68040-based Zero Wait State Evaluation System
AN447/D	An MC88100/MC88200 20/25/33MHz System DRAM Design
AN447A/D	Appendix to AN447/D: "An MC88100/MC88200 20/25/33MHz System DRAM Design"
AN449/D	An MC68340 to M88000 MBUS Bus Translator
AN451/D	An MC68340-based Input/Output Processor Design
AN453/D	Serial Peripheral Interface Device Emulation Routine for the MC68340
AN455/D	Using the Table Interpolation Features of the CPU32
AN457/D	Providing a Real-time Clock for the MC68302
*AN972/D	Platform Boards for Development of MC68030-Based Systems
AN994RE/D	32-bit Computer Design Using 68020/68881/68851
AN1008/D	MC68824 Token Bus Controller to MC68010 Interface
AN1012/D	A Discussion of Interrupts for the MC68000
AN1015/D	MC68020 Minimum System Configuration
AN1051/D	Transmission Line Effects in PCB Applications
AN1061/D	Reflecting on Transmission Line Effects
AN1062/D	Using the QSPI for Analog Data Acquisition
AN1063/D	DRAM Controller for the MC68340
AN1091/D	Low Skew Clock Drivers and their System Design Considerations
AN1125/D	DRAM Interface to the MC88200 M Bus
AN1127/D	High Speed DRAM Design for the 40MHz MC68EC030
AN1129/D	Effect of Cache Memory and Latency on MC88100 Performance
AN1200/D	Configuring the M68300 Family Time Processing Unit (TPU)
AN1310/D	Using the MC68332 Microcontroller for AC Induction Motor Control
AN1401/D	Using SPICE to Analyze the Effects of Board Layout on System Skew When Designing with the MC10/100H640 Family of Clock Drivers

**Microprocessors: 32-bit MPU/MCU continued**

AN1405/D ECL Clock Distribution Techniques  
**ANE009/D** Register Display Program for the MC68881/MC68882  
 ANE426/D An MC68030 32-bit High Performance Minimum System  
 AR217/D The Motorola MC68020  
 \*AR225/D Testing Approaches in the MC68020  
 \*AR232/D The MC68020 32-bit MPU: Opening New Application Doors  
 \*AR242/D A Benchmark Comparison of 32-bit Microprocessors  
 \*AR243/D A Comparison of M68000 Family Processors  
 \*AR248/D Memory Management in the 68030 Microprocessor  
 \*AR253/D Extra Functions and Higher Speed Push Microprocessor to Top  
 \*AR259/D As Many 68020s to Sell in 1988 as 80386s  
 \*AR267/D Moto Answers Back  
 AR270/D Designing a Cache for a Fast Processor  
 \*AR273/D The 88000 Now  
 \*AR275/D Opus Systems' 88000 Workstation  
 AR350/D Adapt Non-ISDN Terminals to ISDN Data Rates  
 AR519/D Low-Skew Clock Drivers: Which Type Is Best?  
 DC407/D Interfacing MC68020 and MC68030 to DSP56001 Host Port  
 DC408/D MC88110 Single Stepping Code Example  
 DCE402/D MC68030 25MHz Benchmarking Board  
 DCE403/D Interfacing 25MHz MC68030 to a 20MHz MC68882  
 DCE404/D Hardware Trap for MC68000  
 EB116/D Chip-Select Generation for a 33.33MHz MC68030 Microprocessor and a 33.33MHz MC68882 Floating-Point Coprocessor  
 EB117/D MC88100 P-Bus Flexibility Using PCE  
 EB162/D Programming Tips  
 EB163/D Running the MC88110 in Lockstep  
 EB164/D Interrupt Latency in the MC88110  
 EB165/D Hardware Implications of xmem as a t followed by a ld  
 TPUPN0/D Using the TPU Function Library and TPU Emulation Mode  
 TPUPN1/D Queued Output Match TPU Function (QOM)

*Additional information relevant to 32-bit MPU/MCU may be found in the following Motorola documents:*

BR030/D The World Turns 030  
 BR231/D M68000 Family Technical Literature

BR261/D 8/16/32-bit Microcontrollers from Motorola  
**BR452/D** Motorola Development Support Guide  
 BR460/D The European Blue Book, 1992 – Qualified Semiconductor Products  
 BR461/D M68000/M88000 Family Fact Sheet  
 BR469/D MC68302 Development Support – Technical Summary  
 BR473/D M68EC020EVM Evaluation Module  
 BR508/D MC68030 Technical Summary  
 BR583/D HYPERmodule Family Product Overview  
 BR588/D MC88100 Technical Summary  
 BR589/D MC88200 Technical Summary  
 BR729/D The 68K Source – Third Party Vendor Catalog (USA) for the 68000 Family of Microprocessors  
 BR733/D MC68040 Fact Sheet  
 BR734/D M68332EVS Evaluation System  
 BR742/D M68000 Family Surface-Mount Packaging Update  
 BR752/D MC68340 Product Brief  
 BR753/D M68340EVS Product Brief  
 BR755/D MC68331 Technical Summary  
 BR756/D MC68332 32-bit Microcontroller – Technical Summary  
 BR911/D Military Microprocessor Fact Sheet  
 BR919/D Military Microprocessors – Motorola's 68030 and 68882  
 BR1109/D 68EC0x0 Microprocessor Family Software-Compatible MPUs for Embedded Control  
 BR1114/D 68300 Integrated Microprocessor Family  
 BR1115/D 68000 Microprocessor Family  
 BR1116/D Advanced Microcontroller Unit (AMCU) Literature  
 BR1117/D 88110 RISC Microprocessor Preview  
 BR1118/D Motorola's 68LC040 Microprocessor  
 BR1119/D Motorola's 68EC040 Microprocessor  
 BR1401/D Military MC88100/MC88200  
 BR1406/D Military 68332  
 BR1420/D Military 68040  
 BRE243R3/D MC68020 Technical Summary  
 CPU32RM/AD CPU32 Central Processor Unit Reference Manual  
 DL409/D 16/32-bit Application Manual  
 GPTRM/AD Modular Microcontroller Family General Purpose Timer Reference Manual  
 M68000FR/AD M68000 Family Reference  
 M68000PM/AD M68000 Family Programmer's Reference Manual  
 M68020UM/AD MC68020/MC68EC020 Microprocessors User's Manual  
 M68040UM/AD MC68040, MC68EC040, MC68LC040 Microprocessors User's Manual  
 M68332EVKEM/AD1 M68332EVK Evaluation Kit Exercise Manual  
 MC68EC030UM/AD MC68EC030 32-bit Embedded Controller User's Manual

**Microprocessors: 32-bit MPU/MCU continued**

MC68030UM/AD	MC68030 Enhanced 32-bit MPU User's Manual, Third Edition
MC68040DH/AD	MC68040 Designer's Handbook
MC68330UM/AD	MC68330 Integrated CPU32 Processor Users Manual
MC68331UM/AD	MC68331 User's Manual
MC68332UM/AD	MC68332 User's Manual
MC68340UM/AD	MC68340 Integrated Processor User's Manual
MC88100UM/AD	MC88100 RISC Microprocessor User's Manual
MC88110UM/AD	MC88110 Second Generation RISC Microprocessor User's Manual
MC88410UM/AD	MC88410 Secondary Cache Controller User's Manual
MC88110/410DH/AD	MC88110/MC88410 Designer's Handbook
MPC601UM/AD	PowerPC 601 RISC Microprocessor User's Manual
QSMRM/D	Queued Serial Module Reference Manual
SG138/D	Military IC & Discrete Selector Guide
SG166/D	Advanced Microcontroller Division Update
SG167/D	High End MPUs Update
<b>SG416/D</b>	Clock Driver Selector
TB303/D	Using Microprocessors and Microcomputers: The Motorola Family (Greenfield and Wray, Rev. 1, 1988)
TB320/D	The M68000 Family. Volume 1: Architecture, Addressing Modes and Instruction Set (Hilf & Nausch, 1989)
TB322/D	The M68000 Family. Volume 2: Applications and the M68000 Devices
TB323/D	The 68000 Book (Southern, 1990)
TB325/D	The Motorola MC68332 Microcontroller
TB325LM/D	Laboratory Manual: The MC68332 Microcontroller
TPURM/AD	M68300 Family Time Processor Unit Reference Manual

**8-bit Peripherals**

*AN820/D	Hardware Considerations for Direct Memory Access Using the MC6809 Microprocessor Unit and MC6844 DMA Controller
AN864A/D	Interfacing Multiplexed Bus Peripherals with Non-Multiplexed MPUs
AN894A/D	User Considerations for MC146818 Real Time Clock Applications
ANE425/D	Use of the MC68HC68T1 RTC with M6805 Microprocessors
*AR223/D	SCSI Protocol and Controller Ease Bus Arbitration

**Additional Information relevant to 8-bit Peripherals may be found in the following Motorola documents:**

BR1116/D	Advanced Microcontroller Unit (AMCU) Literature
MC6840UM/AD1	MC6840 Programmable Timer Fundamentals and Applications
SG96/D	Linear and Interface Integrated Circuits Selector Guide & Cross Reference
TB303/D	Using Microprocessors and Microcomputers: The Motorola Family (Greenfield and Wray, Rev. 1, 1988)
TB316/D	Single- & Multi-Chip MCU Interfacing (Lipovski, 1988)

**16/32-bit Peripherals**

AN430/D	Adding Floating Point Support to an MC68030 High Performance System
AN457/D	Providing a Real-time Clock for the MC68302
AN854/D	The MC68230 Parallel Interface/Timer Provides an Effective Printer Interface
*AN880/D	An Evaluation Tool for the MC68451 MMU
*AN881/D	Dual-Ported RAM for the MC68000 Microprocessor
AN896A/D	Serial I/O, Timer and Interface Capabilities of the MC68901 Multi-Function Peripheral
AN899/D	A Terminal Interface, Printer Interface and Background Printer for an MC68000-Based System Using the MC68681 DUART
AN947/D	MC68881 Floating-Point Coprocessor As a Peripheral in an M68000 System
AN1013/D	MC68606 to Intel iAPX80186 Interface
AN1014/D	MC68606 to MC68020 Interface
AN1091/D	Low Skew Clock Drivers and their System Design Considerations
AN1405/D	ECL Clock Distribution Techniques
ANE426/D	An MC68030 32-bit High Performance Minimum System
*AR213/D	The MC68881 Floating-Point Coprocessor
*AR224/D	Standard SCSI Bus Facilitates Peripheral Control
*AR244/D	The Floating Point Performance Standard Gets Even Faster!
AR519/D	Low-Skew Clock Drivers: Which Type Is Best?
DC409/D	FDDI Chip Set Interface to an 80486 System

**Additional Information relevant to 16/32-bit Peripherals may be found in the following Motorola documents:**

BR231/D	M68000 Family Technical Literature
BR272/D	MC68605 Technical Summary
BR460/D	The European Blue Book, 1992 - Qualified Semiconductor Products

**Microprocessors:** 16/32-bit Peripherals continued

BR461/D	M68000/M88000 Family Fact Sheet
BR509/D	MC68882 Technical Summary
BR726/D	Motorola Data Communications Semiconductors
BR742/D	M68000 Family Surface-Mount Packaging Update
BR911/D	Military Microprocessor Fact Sheet
BR919/D	Military Microprocessors – Motorola's 68030 and 68882
BR930/D	Military Token Bus Controller – 68824
BR1104/D	Motorola's FDDI Chip Set
BR1332/D	Logic Integrated Circuits Division: New Product Calendar
<b>BRE251R1/D</b>	MC68450 Technical Summary
<b>BRE262/D</b>	Motorola's Video/Graphics Peripherals
<b>BRE263R1/D</b>	MC68230 Technical Summary
<b>BRE286/D</b>	MC68184 Technical Summary
<b>BRE520/D</b>	MC68606 Technical Summary
DL409/D	16/32-bit Application Manual
M68000FR/AD	M68000 Family Reference
MC68302UM/AD	MC68302 Integrated Multiprotocol Processor User's Manual
MC68488UM/AD	MC68488 General Purpose Interface Adapter User's Manual
MC68605UM/AD	MC68605 X.25 Protocol Controller User's Manual
MC68606UM/AD	MC68606 Multi-Link LAPD Protocol Controller User's Manual
MC68824UM/AD	MC68824 Token Bus Controller User's Manual
MC68836UM/AD	MC68836 FDDI User's Manual
MC68837UM/AD	MC68837 FDDI User's Manual
MC68838UM/AD	MC68838 FDDI User's Manual
MC68851UM/AD	MC68851 Paged Memory Management Unit User's Manual
MC68881UM/AD	MC68881/MC68882 Floating-Point Coprocessor User's Manual
MC88200UM/AD	MC88200 Cache/Memory Management Unit User's Manual
SG96/D	Linear and Interface Integrated Circuits Selector Guide & Cross Reference
SG138/D	Military IC & Discrete Selector Guide
SG167/D	High End MPUs Update
TB318/D	Microprocessor Systems Design: 68000 Hardware, Software and Interfacing (Clements, 1987)
TB322/D	The M68000 Family, Volume 2: Applications and the M68000 Devices
TB323/D	The 68000 Book (Southern, 1990)

**MECL Bit Slice MPUs**

*AN774/D	A Simple High Speed Bipolar Microprocessor Illustrates System Design and Microprogram Techniques
*AN776/D	The M10800 MECL LSI Processor Family Motor & Lighting Control

**Motor & Lighting Control***see also Thyristors*

AN443/D	Direction and Speed Control for Series, Universal and Shunt
*AN733/D	A ROM-Digital Approach to PWM-Type Speed Control of AC Motors
AN861/D	Power Transistor Safe Operating Area: Special Considerations for Motor Drives
AN876/D	Using Power MOSFETs in Stepping Motor Control
AN938/D	Mounting Techniques for PowerMacro Transistor
AN1045/D	Series Triacs in AC High Voltage Switching Circuits
AN1046/D	Three Piece Solution for Brushless Motor Controller Design
AN1048/D	RC Snubber Networks for Thyristor Power Control and Transient Suppression
AN1049/D	The Electronic Control of Fluorescent Lamps
AN1078/D	New Components Simplify Brush DC Motor Drives
AN1090/D	Understanding and Predicting Power MOSFET Switching Behavior
AN1101/D	One-Horsepower Off-Line Brushless Permanent Magnet Motor Drive
AN1120/D	Basic Servo Loop Motor Control Using the MC68HC05B6 MCU
AN1300/D	Interfacing Microcomputers to Fractional Horsepower Motors
AN1301/D	Interfacing Analog Inputs to Fractional Horsepower Motors
AN1307/D	A Simple Pressure Regulator Using Semiconductor Pressure Transducers
AN1310/D	Using the MC68332 Microcontroller for AC Induction Motor Control
AN1311/D	Software for an 8-bit Microcontroller Based Brushed DC Motor Drive
AN1317/D	High-Current DC Motor Drive Uses Low On-Resistance Surface Mount MOSFETs
AN1319/D	Design Considerations for a Low Voltage N-Channel H-Bridge Motor Drive
AR160/D	Lossless Current Sensing with SENSEFETs Enhances Motor Drive
AR301/D	Solid-State Devices Ease Task of Designing Brushless DC Motors
ARE402/D	The Electronic Control of Fluorescent Tubes
EB123/D	A Simple Brush Type DC Motor Controller
EB128/D	Simple, Low-Cost Motor Controller

**Motor & Lighting Control** continued

EB141/D	Boost MOSFETs Drive Current in Solid State AC Relay
EB142/D	The MOSFET Turn-Off Device – A New Circuit Building Block
EB407/D	Basic Halogen Converter
EB409/D	The MI-BUS and Product Family for Multiplexing Systems

*Additional information relevant to Motor & Lighting Control may be found in the following Motorola documents:*

<b>BR470/D</b>	Motorola Discretes – The Complete Solution
BR477/D	Smart Mover – Stepper Motors with Integrated Serial Bus Controller
BR924/D	Military Analog Lineup
DL111/D	Bipolar Power Transistor Data
DL412/D	Industrial Control Applications Manual
DL414/D	FET Applications Manual
SG96/D	Linear and Interface Integrated Circuits Selector Guide & Cross Reference

**Mounting Techniques & Surface Mount**

AN936/D	Mounting Techniques, Lead Forming and Testing of Motorola's MPX Series Pressure Transducers
AN938/D	Mounting Techniques for PowerMacro Transistor
AN1040/D	Mounting Considerations for Power Semiconductors
AN1041/D	Mounting Procedures for Very High Power RF Transistors
AN1051/D	Transmission Line Effects in PCB Applications
AN1061/D	Reflecting on Transmission Line Effects
AR145/D	DPAK: The Power Package for Surface Mount Applications
AR302/D	Thermal Management of Surface Mount Power Devices
AR323/D	Managing Heat Dissipation in DPAK Surface Mount Power Packages
AR513/D	Surface Mount: Discrete Component Trends
AR515/D	Wafers to Surface Mount Packages in One-Fourth the Time
AR516/D	Moto on 'Very Low-Scale Integration' Tack
AR523/D	An Overview of Surface Mount Technology (SMT) for Power Supply Applications
EB107/D	Mounting Considerations for Motorola RF Power Modules
EB109/D	Low Cost UHF Device Gives Broadband Performance at 3.0 Watts Output

*Additional information relevant to Mounting Techniques may be found in the following Motorola documents:*

BR370/D	TO-220 Leadform Options
BR396/D	Discrete Military Products – Chips
<b>BR470/D</b>	Motorola Discretes – The Complete Solution
BR742/D	M68000 Family Surface-Mount Packaging Update
<b>BRE320R1/D</b>	Motorola Semiconductor Packages Surface Mount Technology
DL111/D	Bipolar Power Transistor Data
SG163/D	SOT-223 Surface Mount Products Selector Guide
SG271/D	D <sup>2</sup> PAK Surface Mount Selector Guide
SG275/D	Surface Mount Packages, Small-Signal Operations
SG370/D	Discrete Surface Mount

**Networking**

AN445/D	Software Model for the Implementation of I.430 ISDN Physical Layer on the MC145474/5 S/T Bus Transceiver
AN970/D	Hardware and Software Interface for the MC68605 X.25 Protocol Controller
AN1007/D	MC68824 Token Bus Controller to iAPX80186 Interface.
AN1008/D	MC68824 Token Bus Controller to MC68010 Interface
AN1013/D	MC68606 to Intel iAPX80186 Interface
AN1014/D	MC68606 to MC68020 Interface
AN1054/D	ISDN System Development Using MC145490EVK/MC145491EVK Development Kits
*AR148/D	Carrier Bands Get NOD for Industrial Networks
*AR262/D	Some Silicon Solutions for MAP
AR350/D	Adapt Non-ISDN Terminals to ISDN Data Rates
DC004/D	Avoiding Transmit Underruns in a TBC-Based System
EB155/D	Analog to Digital Conversion with the Neuron Chip
EB157/D	Creating Applications with the LonBuilder Multi-Function I/O Kit
EB159/D	Neuron Chip-based Installation of LonWorks Networks
EB160/D	Neuron Chip Input/Output Timing Specification
EB161/D	LonTalk Protocol
EB406/D	Getting Started with the FDDI ADS Board

## Networking continued

*Additional Information relevant to Networking may be found in the following Motorola documents:*

BR726/D	Motorola Data Communications Semiconductors
BR1104/D	Motorola's FDDI Chip Set
BR1107/D	LonWorks™ Applications Primer
BR1108/D	LonWorks™ Product Line Brief
BR1305/D	Linear Integrated Circuits: New Product Calendar
<b>BRE421/D</b>	A Short Tutorial on Networking
DL136/D	Communications Device Data
DL411/D	Communications Applications Manual
DL412/D	Industrial Control Applications Manual
LONPROD/D	LonWorks Products 1992
MC68302UM/AD	MC68302 Integrated Multiprotocol Processor User's Manual
MC68606UM/AD	MC68606 Multi-Link LAPD Protocol Controller User's Manual
MC68824UM/AD	MC68824 Token Bus Controller User's Manual (1987)
MC68836UM/AD	MC68836 FDDI User's Manual
MC68837UM/AD	MC68837 FDDI User's Manual
MC68838UM/AD	MC68838 FDDI User's Manual
SG169/D	MOS Digital-Analog Integrated Circuits

## Optoelectronics

*AN804/D	Applications of Ferruled Components to Fiber Optic Systems
*AN916/D	Applications of the MOC3031 and MOC3041 Zero-Crossing Triac Drivers
AN979/D	Guidelines for Circuit Board Assembly of Motorola Case 349 Opto Products
AN1016/D	Infrared Sensing and Data Transmission Fundamentals
AN1126/D	Evaluation Systems for Remote Control Devices on an Infrared Link
AN1203/D	A Software Method for Decoding the Output from the MC14497/MC3373 Combination
AN1511/D	Applications of the MOC2A40 and MOC2A60 Series POWER OPTO Isolators
AR517/D	High Resolution Position Sensor for Motion Control System
EB406/D	Getting Started with the FDDI ADS Board

*Additional Information relevant to Optoelectronics may be found in the following Motorola documents:*

BR470/D	Motorola Discretes – The Complete Solution
BR1421/D	Solutions to Your Custom Sensing Needs
DL118/D	Optoelectronics Device Data
SG167/D	High End MPUs Update

## Phase-Locked Loop

AN535/D	Phase-Locked Loop Design Fundamentals
AN827/D	The Technique of Direct Programming by Using a Two-Modulus Prescaler
AN1091/D	Low Skew Clock Drivers and their System Design Considerations
AN1207/D	The MC145170 in Basic HF and VHF Oscillators
AR254/D	Phase-Locked Loop Design Articles
AR519/D	Low-Skew Clock Drivers: Which Type Is Best?

*Additional Information relevant to Phase-Locked Loop may be found in the following Motorola documents:*

BR1332/D	Logic Integrated Circuits Division: New Product Calendar – Fourth Quarter, 1992
BR1415/D	Military Telecom Special Functions
BR1418/D	Military Analog, Telecom and Special Functions Fact Sheet
DL122/D	MECL Device Data
DL136/D	Communications Device Data
DL413/D	Radio, RF and Video Applications Manual
SG96/D	Linear and Interface Integrated Circuits Selector Guide & Cross Reference
SG366/D	TTL, ECL, CMOS and Special Logic Circuits Selector Guide
<b>SGE102R1/D</b>	CMOS System IC Selection Guide

## Power

*Power Supplies & Voltage Regulators*

AN004E/D	Semiconductor Consideration for DC Power Supply Voltage Protector Circuits
AN587/D	Analysis and Design of the Op Amp Current Source
AN703/D	Designing Digitally-Controlled Power Supplies
AN719/D	A New Approach to Switching Regulators
*AN767/D	A Line Operated, Regulated 5V/50A Switching Power Supply
AN875/D	Power Transistor Safe Operating Area: Special Considerations for Switching Power Supplies
AN915/D	Characterizing Collector-to-Emitter and Drain-to-Source Diodes for Switchmode Applications
AN920/D	Theory and Applications of the MC34063 and $\mu$ A78S40 Switching Regulator Control Circuits
AN929/D	Insuring Reliable Performance from Power MOSFETs
AN951/D	Drive Optimization for 1.0kV Off-Line Converter Transistors
*AN954/D	A Unique Converter Configuration
AN976/D	A New High Performance Current Mode Controller Teams Up with Current Sensing Power MOSFETs

**Power:**

## Power Supplies &amp; Voltage Regulators continued

- AN1080/D External-Sync Power Supply with Universal Input Voltage Range for Monitors
- AN1090/D Understanding and Predicting Power MOSFET Switching Behavior
- AN1108/D Design Considerations for a Two Transistor, Current Mode Forward Converter
- AN1314/D Automatic Line Voltage Selector
- AN1320/D 300 Watt, 100 kHz Converter Utilizes Economical Bipolar Planar Power Transistor
- ANE402/D 130W Ringing Choke Power Supply Using TDA4601
- ANE424/D 50W Current Mode Controlled Offline Switch Mode Power Supply Working over 50% Duty Cycle Using the UC3842A
- AR326/D High-Voltage MOSFETs Simplify Flyback Design
- AR340/D The Low Forward Voltage Schottky
- AR514/D Build Ultra-Low Dropout Regulator
- AR523/D An Overview of Surface Mount Technology (SMT) for Power Supply Applications
- EB85A/X Full-Bridge Switching Power Supplies
- EB124/D MOSFETs Compete with Bipolars in Flyback Power Supplies
- EB126/D Ultra-Rapid Nickel-Cadmium Battery Charger
- EB142/D The MOSFET Turn-Off Device – A New Circuit Building Block

*Additional Information relevant to Power Supplies & Voltage Regulators may be found in the following Motorola documents:*

- BR470/D Motorola Discretes – The Complete Solution
- BR924/D Military Analog Lineup
- BR1305/D Linear Integrated Circuits: New Product Calendar
- BRE417/D Motorola/TI Cross Reference Chart
- DL111/D Bipolar Power Transistor Data
- DL410/D Power Applications Manual
- DL414/D FET Applications Manual
- SG79/D Switchmode – A Designer's Guide for Switching Power Supply Circuits and Components
- SG96/D Linear and Interface Integrated Circuits Selector Guide & Cross Reference
- SG138/D Military IC & Discrete Selector Guide
- TB321/D Practical Switching Power Supply Design (Brown, 1990)

**Power Device Characteristics**

- AN450/D IC Design: A Statistical Approach to Electromigration
- AN803/D The Effect of Emitter-Base Avalanching on High-Voltage Power Switching Transistors

- AN845/D New Power Bipolars Compare Favourably with FETs for Switching Efficiency
- AN860/D Power MOSFETs versus Bipolar Transistors
- AN861/D Power Transistor Safe Operating Area: Special Considerations for Motor Drives
- AN873/D Understanding Power Transistor Dynamic Behaviour:  $dv/dt$  Effects on Switching RBSOA
- AN875/D Power Transistor Safe Operating Area: Special Considerations for Switching Power Supplies
- AN913/D Designing with TMOS Power MOSFETs
- AN924/D Measurement of Zener Voltage to Thermal Equilibrium with Pulsed Test Current
- AN930/D High Voltage, High Current, Non-Destructive FBSOA Testing
- AN952/D Ultrafast Recovery Rectifiers Extend Power Transistor SOA
- \*AN956/D The Operation and Application of the SMARTpower Overvoltage and Overtemperature Protectors
- AN1043/D Spice Model for TMOS Power MOSFETs
- AN1048/D RC Snubber Networks for Thyristor Power Control and Transient Suppression
- AN1076/D Speeding Up Horizontal Outputs
- AN1083/D Basic Thermal Management of Power Semiconductors
- AN1090/D Understanding and Predicting Power MOSFET Switching Behavior
- AN1102/D Interfacing Power MOSFETs to Logic Devices
- AR120/D Speeding Up the Very High Voltage Transistor
- AR340/D The Low Forward Voltage Schottky
- AR346/D RF Power FETs: Their Characteristics and Applications
- EB79/D Pulsed  $IT$ , a Technique for Accurately Measuring the Gain Bandwidth Product
- EB125/D Testing Power MOSFET Gate Charge
- EB129/X Snubbers for High Power Semiconductors
- EB131/D Curve Tracer Measurement Techniques for Power MOSFETs
- EB200/D An Evaluation Board for the MOC2A40 Series and MOC2A60 Series – Optically Isolated Zero Voltage Turn-On Triacs

*Additional Information relevant to Power Device Characteristics may be found in the following Motorola documents:*

- BR370/D TO-220 Leadform Options
- BR470/D Motorola Discretes – The Complete Solution
- BR904/D MIL-Processed Devices: Technical Data
- BR923/D Discrete & Materials Technologies Group, Reliability Audit Report
- DL110/D RF Device Data
- DL111/D Bipolar Power Transistor Data



**Power:**

## Power Device Characteristics continued

DL135/D	TMOS Power MOSFET Transistor Data
DL148/D	Discrete Military Operations Data
DL150/D	TVS/Zener Device Data
<b>DL401/D</b>	Power Switch
DL410/D	Power Applications Manual
DL414/D	FET Applications Manual
SG138/D	Military IC & Discrete Selector Guide
SG140/D	SCANSWITCH Selector Guide
SG265/D	Power MOSFETs Update
SG266/D	Bipolar Power Transistors Update
SG267/D	Rectifiers Product Update
SG270/D	Discrete Semiconductor Cross Reference Guide - 1992
SG370/D	Discrete Surface Mount

**Protection & Thermal Considerations**

AN569/D	Transient Thermal Resistance - General Data and Its Use
AN784/D	Transient Power Capability of Zener Diodes
AN843/D	A Review of Transients and Their Means of Suppression
*AN956/D	The Operation and Application of the SMARTpower Overvoltage and Overtemperature Protectors
AN1083/D	Basic Thermal Management of Power Semiconductors
*AR170/D	Characterizing Overvoltage Transient Suppressors
AR323/D	Managing Heat Dissipation in DPAK Surface Mount Power Packages
AR510/D	VSWR Protection of Solid State RF Power Transistors
EB29/D	The Common Emitter TO-39 and Its Advantages
EB129/X	Snubbers for High Power Semiconductors

*Additional information relevant to Protection & Thermal Considerations may be found in the following Motorola documents:*

DL150/D	TVS/Zener Device Data
DL410/D	Power Applications Manual

**Pressure Sensors**

AN840/D	Temperature Compensation Methods for the Motorola X-ducer Pressure Sensor Element
AN919/D	Using the Motorola X-ducer Pressure Sensor Data Sheet
AN922/D	Temperature Compensation, Calibration and Applications of Motorola's X-ducer Pressure Sensor

AN935/D	Compensating for Nonlinearity in the MPX10 Series Pressure Transducer
AN936/D	Mounting Techniques, Lead Forming and Testing of Motorola's MPX Series Pressure Transducers
AN962/D	MPX Pressure Sensors Used for Switch Applications
AN1082/D	Simple Design for a 4-20mA Transmitter Interface Using a Motorola Pressure Sensor
AN1097/D	Calibration-Free Pressure Sensor System
AN1100/D	Analog to Digital Converter Resolution Extension Using a Motorola Pressure Sensor
AN1105/D	A Digital Pressure Gauge Using the Motorola MPX700 Series Differential Pressure Sensor
AN1302/D	Motorola Pressure Sensors - Recommended Housing for Very Low Absolute Pressure Measurements
AN1303/D	A Simple 4-20mA Pressure Transducer Evaluation Board
AN1304/D	Integrated Sensor Simplifies Bar Graph Pressure Gauge
AN1305/D	An Evaluation System for Direct Interface of the MPX5100 Pressure Sensor with a Microprocessor
AN1307/D	A Simple Pressure Regulator Using Semiconductor Pressure Transducers
AN1309/D	Compensated Sensor Bar Graph Pressure Gauge
AN1312/D	Interfaced Sensor Evaluation Board
AN1313/D	Sensor Building Block Evaluation Board
AN1315/D	An Evaluation System Interfacing the MPX2000 Series Pressure Sensors to a Microprocessor
AN1316/D	Frequency Output Conversion for MPX2000 Series Pressure Sensors
AN1318/D	Interfacing Semiconductor Pressure Sensors to Microcomputers
AN1322/D	Applying Semiconductor Sensors to Bar Graph Pressure Gauges
AN1324/D	A Simple Sensor Interface Amplifier
AN1325/D	Amplifiers for Semiconductor Pressure Sensors
AN1326/D	Barometric Pressure Measurement Using Semiconductor Pressure Sensors
AN1513/D	Mounting Techniques and Plumbing Options of Motorola's MPX Series Pressure Sensors
AN1516	Liquid Level Control Using a Motorola Pressure Sensor
AN1517	Pressure Switch Design with Semiconductor Pressure Sensors
AN1518	Using a Pulse Width Modulated Output with Semiconductor Pressure Sensors
AR501S/D	Reliability Issues for Silicon Pressure Sensors
AR502S/D	The Design of a Monolithic Signal Conditioned Pressure Sensor

**Power:**

Pressure Sensors continued

**ARE139S/D** Sensors: Medical Applications**BF8401/D** Temperature and Pressure Measurement with MC6805*Additional Information relevant to Pressure Sensors may be found in the following Motorola documents:*

<b>BR470/D</b>	Motorola Discretes – The Complete Solution
<b>BR923/D</b>	Discrete & Materials Technologies Group, Reliability Audit Report
<b>DL200/D</b>	Pressure Sensor Device Data
<b>DL412/D</b>	Industrial Control Applications Manual
<b>SG144E/D</b>	Sensors: Competitor Cross Reference
<b>SG162/D</b>	Sensor Operations

**Quality and Reliability**

<b>AN450/D</b>	IC Design: A Statistical Approach to Electromigration
<b>AN1040/D</b>	Mounting Considerations for Power Semiconductors
<b>AN1041/D</b>	Mounting Procedures for Very High Power RF Transistors
<b>AR300/D</b>	The Hidden Dangers of Electrostatic Discharge – ESD
<b>AR501S/D</b>	Reliability Issues for Silicon Pressure Sensors

*Additional Information relevant to Quality and Reliability may be found in the following Motorola documents:*

<b>BR347/D</b>	Bipolar Logic Circuits – Quality & Reliability
<b>BR460/D</b>	The European Blue Book, 1992 – Qualified Semiconductor Products
<b>BR518/D</b>	Reliability & Quality Handbook
<b>BR904/D</b>	MIL-Processed Devices: Technical Data
<b>BR923/D</b>	Discrete & Materials Technologies Group, Reliability Audit Report
<b>BR1100/D</b>	Semiconductor Products Sector Memory Products Reliability and Quality Report
<b>BR1202/D</b>	Motorola Quality System Review Guidelines
<b>HB213/D</b>	Discrete Military Operation Handbook

**Radio Applications**

<b>AN460/D</b>	An RDS Decoder Using the MC68HC05E0
<b>AN531/D</b>	MC1596 Balanced Modulator
* <b>AN753/D</b>	Scanning Logic for RF Scanners–Receivers Using CMOS Integrated Circuits
<b>AN878/D</b>	VHF MOS Power Applications
<b>AN923/D</b>	800MHz Test Fixture Design
* <b>AN925/D</b>	UHF Pre-amplifier Centers on Budget Dual-Gate GaAs FET
<b>AN980/D</b>	VHF Narrowband FM Receiver Design Using the MC3362 and the MC3363 Dual Conversion Receivers

<b>AN1122/D</b>	Running the MC44802A PLL Circuit
<b>AN1207/D</b>	The MC145170 in Basic HF and VHF Oscillators
<b>ANE416/D</b>	MC68HC05B4 Radio Synthesizer
<b>AN-HK-02/H</b>	Low Power FM Transmitter System MC2831A
<b>AN-HK-07/H</b>	A High Performance Manual-Tuned Receiver for Automotive Application Using Motorola ICs MC13021, MC13020 and MC13041
<b>AR511/D</b>	Biasing Solid State Amplifiers to Linear Operation
<b>EB27A/D</b>	Get 300 Watts PEP Linear Across 2 to 30MHz from this Push-Pull Amplifier
<b>EB59/D</b>	Predict Frequency Accuracy for MC12060 and MC12061 Crystal Oscillator

*Additional Information relevant to Radio Applications may be found in the following Motorola documents:*

<b>BR470/D</b>	Motorola Discretes – The Complete Solution
<b>BR1305/D</b>	Linear Integrated Circuits: New Product Calendar
<b>BR1334/D</b>	High Performance Frequency Control Products
<b>BRE504/D</b>	Electronic Tuning Address Systems
<b>DL411/D</b>	Communications Applications Manual
<b>DL413/D</b>	Radio, RF and Video Applications Manual
<b>SG46/D</b>	RF Products Selector Guide & Cross Reference
<b>SG169/D</b>	MOS Digital-Analog Integrated Circuits
<b>SG366/D</b>	TTL, ECL, CMOS and Special Logic Circuits Selector Guide
<b>TB326/D</b>	Radio Frequency Transistors – Principles & Applications (Dye & Grandberg, 1993)

**RF**

<b>AN438/D</b>	300W, 88 – 108MHz Amplifier Using the TP1940 MOSFETs Push-Pull Transistor
<b>AN535/D</b>	Phase-Locked Loop Design Fundamentals
<b>AN593/D</b>	Broadband Linear Power Amplifiers Using Push-Pull Transistors
* <b>AN595/D</b>	25 Watt and 10 Watt VHF Marine Band Transmitters
<b>AN721/D</b>	Impedance Matching Networks Applied to RF Power Transistors
<b>AN779/D</b>	Low-Distortion 1.6 to 30MHz SSB Driver Designs
<b>AN791/D</b>	A Simplified Approach to VHF Power Amplifier Design
<b>AN847/D</b>	Tuning Diode Design Techniques
<b>AN878/D</b>	VHF MOS Power Applications
<b>AN955/D</b>	A Cost Effective VHF Amplifier for Land Mobile Radios
<b>AN1029/D</b>	TV Transposers Band IV and V Po = 0.5W/1.0W

## RF continued

AN1030/D	1W/2W Broadband TV Amplifier Band IV and V	BR1305/D	Linear Integrated Circuits: New Product Calendar
AN1039/D	470-860 MHz Broadband Amplifier 5W	BR1334/D	High Performance Frequency Control Products
AN1041/D	Mounting Procedures for Very High Power RF Transistors	BR1418/D	Military Analog, Telecom and Special Functions Fact Sheet
AN1103/D	Using the CR3424 for High Resolution CRT Applications	DL110/D	RF Device Data
AN1106/D	Considerations in Using the MHW801 and MHW851 Series RF Power Modules	DL126/D	Small-Signal Transistors, FETs and Diodes Device Data
AN1107/D	Understanding RF Data Sheet Parameters	DL148/D	Discrete Military Operations Data
AR141/D	Applying Power MOSFETs in Class D/E RF Power Amplifier Design	DL413/D	Radio, RF and Video Applications Manual
AR164/D	Good RF Construction Practices and Techniques	DL414/D	FET Applications Manual
AR176/D	New MOSFETs Simplify High Power RF Amplifier Design	SG46/D	RF Products Selector Guide & Cross Reference
AR305/D	Building Push-Pull, Multi-octave, VHF Power Amplifiers	SG138/D	Military IC & Discrete Selector Guide
AR510/D	VSWR Protection of Solid State RF Power Transistors	SG270/D	Discrete Semiconductor Cross Reference Guide - 1992
EB27A/D	Get 300 Watts PEP Linear Across 2 to 30MHz from this Push-Pull Amplifier	<b>SGE112/D</b>	Cross Reference for NEC-to-Motorola RF Transistors
EB29/D	The Common Emitter TO-39 and Its Advantages	TB326/D	Radio Frequency Transistors - Principles & Applications (Dye & Granberg, 1993)
EB59/D	Predict Frequency Accuracy for MC12060 and MC12061 Crystal Oscillator		
EB77/D	A 60 Watt, 225-400MHz Amplifier - 2N6439		
EB79/D	Pulsed FT, a Technique for Accurately Measuring the Gain Bandwidth Product		
EB89/D	A 1 Watt, 2.3GHz Amplifier		
EB90/D	Low-Cost VHF Amplifier has Broadband Performance		
EB93/D	60 Watt VHF Amplifier Uses Splitting/Combining Techniques		
EB104/D	Get 600 Watts RF from Four Power FETs		
EB107/D	Mounting Considerations for Motorola RF Power Modules		
EB109/D	Low Cost UHF Device Gives Broadband Performance at 3.0 Watts Output		

**Additional Information relevant to RF may be found in the following Motorola documents:**

<b>BR470/D</b>	Motorola Discretes - The Complete Solution
BR904/D	MIL-Processed Devices: Technical Data
BR923/D	Discrete & Materials Technologies Group, Reliability Audit Report

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**Small Signal Transistors & Diodes**

<b>AN470/D</b>	Bipolar Chopper Transistors and Circuits
*AN527/D	Theory, Characteristics and Applications of the Programmable Unijunction Transistor
AN1321/D	Brushless DC Motor Drive Incorporates Small Outline Integrated Circuit Packaged MOSFETs
AR515/D	Wafers to Surface Mount Packages in One-Fourth the Time
AR516/D	Moto on 'Very Low-Scale Integration' Tack

**Additional Information relevant to Small Signal Transistors & Diodes may be found in the following Motorola documents:**

BR460/D	The European Blue Book, 1992 - Qualified Semiconductor Products
<b>BR470/D</b>	Motorola Discretes - The Complete Solution
BR923/D	Discrete & Materials Technologies Group, Reliability Audit Report
DL126/D	Small-Signal Transistors, FETs and Diodes Device Data
<b>SG145E/D</b>	Small Signal FETs: Siliconix to Motorola Cross Reference
SG163/D	SOT-223 Surface Mount Products Selector Guide
SG270/D	Discrete Semiconductor Cross Reference Guide - 1992
SG275/D	Surface Mount Packages, Small-Signal Operations

**Smart Card/Conditional Access***see also Microprocessors: 8-bit MPU/MCU*

- EB400/D Secure Single Chip Microcomputer Manufacture
- EB404/D "Memories Are Made of This" ... a Look at Memory Considerations for Smart Card Applications
- EB405/D Smart Cards: How to Deal Yourself a Winning Hand

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*Additional information relevant to Smart Card/Conditional Access may be found in the following Motorola documents:*

- BR261/D 8/16/32-bit Microcontrollers from Motorola
- BR445/D The Standard in Smartcard Chips

**Software & Programming**

- AN427/D MC68HC11 EEPROM Error Correction Algorithms in C
- AN429/D MC68332 QSPI Interface for the MCM2814 EEPROM
- AN431/D Temperature Measurement and Display Using the MC68HC05B4 and the MC14489
- AN434/D Serial Bootstrap for the RAM and EEPROM1 of the MC68HC05B6
- AN437/D Using the MC68332 Periodic Interrupt Timer
- AN441/D MC68HC05E0 EPROM Emulator
- AN453/D Serial Peripheral Interface Device Emulation Routine for the MC68340
- AN455/D Using the Table Interpolation Features of the CPU32
- AN456/D Using PCbug11 as a Diagnostic Aid for Expanded Mode M68HC11 Systems
- AN458/D A Self-Test Approach for the MC68HC11A/E
- AN459/D A Monitor for the MC68HC05E0
- AN974/D MC68HC11 Floating-Point Package
- AN1010/D MC68HC11 EEPROM Programming from a Personal Computer
- AN1011/D MC146805G2 to MC68HC05C4 Conversion
- AN1015/D MC68020 Minimum System Configuration
- AN1055/D M6805 16-bit Support Macros
- AN1060/D MC68HC11 Bootstrap Mode
- AN1064/D Use of Stack Simplifies M68HC11 Programming
- AN1200/D Configuring the M68300 Family Time Processing Unit (TPU)

- AN1203/D A Software Method for Decoding the Output from the MC14497/MC3373 Combination
- ANE009/D Register Display Program for the MC68881/MC68882
- ANE404/D An Extended MC146805E2 CBUG05 System Using the MC68HC25
- ANE425/D Use of the MC68HC68T1 RTC with M6805 Microprocessors
- AR273/D The 88000 Now
- DC408/D MC88110 Single Stepping Code Example
- DC410/D Fuzzy Logic – A New Approach to Embedded Control Solutions
- EB408/D MC68HC705T3 Bootloader
- TPUPN00/D Using the TPU Function Library and TPU Emulation Mode

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*Additional information relevant to Software & Programming may be found in the following Motorola documents:*

- BR452/D Motorola Development Support Guide
- BR568/D MCU Freeware
- BR724/D 88open Sourcebook
- BR729/D The 68K Source – Third Party Vendor Catalog (USA) for the 68000 Family of Microprocessors
- BR730/D M68HC05PGMR Programmer Board
- BR731/D 88open Consortium: Software Initiative
- BR748/D M68HC711D3PGMR Programmer Board
- BR1111/D M68HC705J2/P9PGMR Programmer Board
- BR1113/D M68HC705B5PGMR Programmer Board
- BR1447/D Design-NET Installation and Usage on the IBM PC
- BR1448/D Design-NET Installation and Usage on the Macintosh
- HC711D3EVB/AD1 M68HC711D3EVB Evaluation Board User's Manual
- HC711D3PGMR/AD1 M68HC11711D3PGMR Programmer Board User's Manual
- M68PCBUG11/D2 M68HC11 PCbug11 User's Manual
- M6809PM/AD MC6809-MC6809E Microprocessor Programming Manual
- M68000PM/AD M68000 Family Programmer's Reference Manual
- M68000UM/AD M68000 8-/16-/32-bit Microprocessors User's Manual, Eighth Edition
- M68332EVKEM/AD1 M68332EVK Evaluation Kit Exercise Manual
- MC68HC11F1RG/AD MC68HC11F1 Programming Reference Guide
- MC68851UM/AD MC68851 Paged Memory Management Unit User's Manual
- SG146/D Digital Signal Processors Update

**Software & Programming continued**

TB301/D	Basic Microprocessors and the 6800 (Bishop, 1979)
TB309/D	Programming the 6809 (Zaks & Labiak, 1982)
TB313/D	Efficient C (Plum & Brodie, 1985)
TB316/D	Single- & Multi-Chip MCU Interfacing (Lipovski, 1988)
TB318/D	Microprocessor Systems Design: 68000 Hardware, Software and Interfacing (Clements, 1987)
TB320/D	The M68000 Family. Volume 1: Architecture, Addressing Modes and Instruction Set (Hilf & Nausch, 1989)
TB322/D	The M68000 Family. Volume 2: Applications and the M68000 Devices
TB323/D	The 68000 Book (Southern, 1990)
TPURM/AD	M68300 Family Time Processor Unit Reference Manual

**SPICE I/O Models**

*AN700/D	Simulate MECL System Interconnections with a Computer Program
AN1400/D	MC10/100H640 Clock Driver Family I/O SPICE Modelling Kit
AN1401/D	Using SPICE to Analyze the Effects of Board Layout on System Skew when Designing with the MC10/100H640 Family of Clock Drivers
AN1402/D	MC10/100H00 Translator Family I/O SPICE Modelling Kit
AN1403/D	FACT I/O Model Kit
AN1503/D	ECLinPS™ I/O SPICE Modelling Kit

**Telecommunications****see also Interfacing**

AN457/D	Providing a Real-time Clock for the MC68302
*AN581/D	An MSI 500 MHz Frequency Counter Using MECL and M TTL
AN940/D	Telephone Dialing Techniques Using the MC6805
AN943/D	UDLT Evaluation Board
AN948/D	Data Multiplexing Using the Universal Digital Loop Transceiver and the Data Set Interface
AN949/D	A Voice/Data Modem Using the MC145422/26, MC145428 and MC14403
AN957/D	Interfacing the Speakerphone to the MC34010/11/13 Speech Networks
AN958/D	Transmit Gain Adjustments for the MC34014 Speech Network
AN959/D	A Speakerphone with Receive Idle Mode
AN960/D	Equalization of DTMF Signals Using the MC34014

AN968/D	A Digital Voice/Data Telephone Set
AN970/D	Hardware and Software Interface for the MC68605 X.25 Protocol Controller
AN1002/D	A Handsfree Featurephone Design Using the MC34114 Speech Network and the MC34018 Speakerphone ICs
AN1003/D	Featurephone Design, with Tone Ringer and Dialer, using the MC34118 Speakerphone IC
AN1004/D	A Handsfree Featurephone Design using MC34114 Speech Network and MC34118 Speakerphone ICs
AN1006/D	Linearize the Volume Control of the MC34118 Speakerphone
AN1051/D	Transmission Line Effects in PCB Applications
AN1054/D	ISDN System Development Using MC145490EVK/MC145491EVK Development Kits
AN1061/D	Reflecting on Transmission Line Effects
AN1077/D	Adding Digital Volume Control to Speakerphone Circuits
AN1091/D	Low Skew Clock Drivers and Their System Design Considerations
AN1207/D	The MC145170 in Basic HF and VHF Oscillators
AN1401/D	Using SPICE to Analyze the Effects of Board Layout on System Skew When Designing with the MC10/100H640 Family of Clock Drivers
AN1405/D	ECL Clock Distribution Techniques
AN-HK-01/H	300 Baud Smart Modem with Intelligent MCU Controller
APR1/D	Digital Sine-Wave Synthesis Using the DSP56001/DSP56002
APR9/D	Full-Duplex 32-kbit/s CCITT ADPCM Speech Coding on the Motorola DSP56001
APR12/D	Twin CODEC Expansion Board for the DSP56000 Application Development System
APR14/D	Conference Bridging in the Digital Telecomm Environment Using the Motorola DSP56000
APR401/D	Twin CODEC Expansion Board for the DSP56000 Application Development System
AR519/D	Low-Skew Clock Drivers: Which Type Is Best?
BF8501/D	2x8 Key System
EB77/D	A 60 Watt, 225-400MHz Amplifier - 2N6439
EB89/D	A 1 Watt, 2.3GHz Amplifier

**Additional Information relevant to Telecommunications may be found in the following Motorola documents:**

BR470/D	Motorola Discretes - The Complete Solution
BR1333/D	Low Skew Clock Drivers and Programmable Delay Circuits
BR1334/D	High Performance Frequency Control Products

**Telecommunications continued**

BR1413/D	Military 35102 Sleep-Mode Op Amp
BR1415/D	Military Telecom Special Functions
BR1418/D	Military Analog, Telecom and Special Functions Fact Sheet
DL136/D	Communications Device Data
DL411/D	Telecommunications Applications Manual
MC68302UM/AD	MC68302 Integrated Multiprotocol Processor User's Manual
MC68605UM/AD	MC68605 X.25 Protocol Controller User's Manual
SG46/D	RF Products Selector Guide & Cross Reference
SG96/D	Linear and Interface Integrated Circuits Selector Guide & Cross Reference
SG98/D	Linear Telecom Cross Reference
SG138/D	Military IC & Discrete Selector Guide
SG169/D	MOS Digital-Analog Integrated Circuits
SG366/D	TTL, ECL, CMOS and Special Logic Circuits Selector Guide
<b>SGE102R1/D</b>	CMOS System IC Selection Guide

**Thyristors and Triacs**

AN443/D	Direction and Speed Control for Series, Universal and Shunt
*AN527/D	Theory, Characteristics and Applications of the Programmable Unijunction Transistor
*AN916/D	Applications of the MOC3031 and MOC3041 Zero-Crossing Triac Drivers
AN964/D	Trigger Design Ideas for DIAC Replacements
AN1045/D	Series Triacs in AC High Voltage Switching Circuits
AN1048/D	RC Snubber Networks for Thyristor Power Control and Transient Suppression
AN1314/D	Automatic Line Voltage Selector
EB30/D	Sensitive Gate SCRs – Don't Forget the Gate-Cathode Resistor
EB91/X	The Use of Inverse-Parallel SCRs
EB126/D	Ultra-Rapid Nickel-Cadmium Battery Charger

**Additional Information relevant to Thyristors  
may be found in the following Motorola documents:**

BR904/D	MIL-Processed Devices: Technical Data
BR923/D	Discrete & Materials Technologies Group, Reliability Audit Report
DL137/D	Thyristor Device Data
DL148/D	Discrete Military Operations Data
DL410/D	Power Applications Manual
SG268/D	Thyristors Update
SG270/D	Discrete Semiconductor Cross Reference Guide – 1992

**TV and Video**

AN433/D	TV On-Screen Display Using the MC68HC05T1
AN446/D	MCM2814 Gang-Programmer Using an MC68HC805B6
AN448/D	"FLOF" Teletext Using M6805 Microcontrollers
AN545A/D	Television Video IF Amplifier Using Integrated Circuits
AN829/D	Application of the MC1374 TV Modulator
AN879/D	Monomax: Application of the MC13001 Monochrome Television Integrated Circuit
AN921/X	Horizontal APC/AFC Loops
*AN932/D	Application of the MC1377 Colour Encoder
AN1019/D	Decoding Using the TDA3330, with Emphasis on Cable In/Cable Out Operation
AN1029/D	TV Transposers Band IV and V Po = 0.5W/1.0W
AN1030/D	1W/2W Broadband TV Amplifier Band IV and V
AN1039/D	470-860 MHz Broadband Amplifier 5W
AN1044/D	The MC1378 – A Monolithic Composite Video Synchronizer
AN1076/D	Speeding up Horizontal Outputs
AN1080/D	External-Sync Power Supply with Universal Input Voltage Range for Monitors
AN1103/D	Using the CR3424 for High Resolution CRT Applications
AN1122/D	Running the MC44802A PLL Circuit
AN1203/D	A Software Method for Decoding the Output from the MC14497/MC3373 Combination
AN1306/D	Thermal Distortion in Video Amplifiers

**Additional Information relevant to TV and Video  
may be found in the following Motorola documents:**

BR470/D	Motorola Discretes – The Complete Solution
BR924/D	Military Analog Lineup
BR1305/D	Linear Integrated Circuits: New Product Calendar
BR1418/D	Military Analog, Telecom and Special Functions Fact Sheet
<b>BRE262/D</b>	Motorola's Video/Graphics Peripherals
DL111/D	Bipolar Power Transistor Data
DL413/D	Radio, RF and Video Applications Manual
SG46/D	RF Products Selector Guide & Cross Reference
SG96/D	Linear and Interface Integrated Circuits Selector Guide & Cross Reference
SG140/D	SCANSWITCH Selector Guide
SG169/D	MOS Digital-Analog Integrated Circuits
SG368/D	Video Capture chip Set Selector Guide

## Unijunction

- \*AN294/D Unijunction Transistor Timers and Oscillators
- \*AN527/D Theory, Characteristics and Applications of the Programmable Unijunction Transistor

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*Additional Information relevant to Unijunction  
may be found in the following Motorola documents:*

- DL148/D Discrete Military Operations Data
- SG270/D Discrete Semiconductor Cross Reference Guide – 1992

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## All Products and Application Areas

- AR515/D Wafers to Surface Mount Packages in One-Fourth the Time
- BR101/D Technical Literature and Information Catalog (order a BR464/D: *Technical Books* in Europe)
- BR128/D Semiconductor Data 'Update' Magazine
- BR128E/D 'Update' Europe
- BR380/D SPS Bar Code Label Specifications
- BR392/D Statistical Process Control
- BR460/D The European Blue Book, 1992 – Qualified Semiconductor Products
- BR464/D** Technical Books (Europe version of BR101/D)
- BR471/D** Motorola Semiconductor Applications Manuals
- BR472/D European Distributors
- BR474/D European Bar Code Specifications
- BR518/D Reliability & Quality Handbook
- BR914/D MEP Product Flow
- BR925/D Six Sigma Roadmap
- BR1202/D Motorola Quality System Review Guidelines
- BR1306/D CATS – Customer Analysis Tracking System
- HB213/D Discrete Military Operation Handbook
- SG73/D Master Selection Guide

# **Alphanumeric Index**





# Alphanumeric Index

- AN004E** Semiconductor Consideration for DC Power Supply Voltage Protector Circuits
- AN211A** Field Effect Trans in Theory and Practice
- AN220** FETs in Chopper and Analog Switching Circuits
- AN222A** The ABCs of Solid-State DC to AC Inverters
- AN270** Nanosecond Pulse Handling Techniques in IC Intercom
- AN273A** More Value Out of Data Sheet Integrated Operational Amp
- \*AN294** Unijunction Transistor Timers and Oscillators
- AN421** Semiconductor Noise Figure Considerations
- AN427** MC68HC11 EEPROM Error Correction Algorithms in C
- AN428** Automotive Direction Indicator with Short Circuit Detection Using the UAA1041
- AN428A** Using Uniwatt Transistors in Hi-Fi Amps
- AN429** MC68332 QSPI Interface for the MCM2814 EEPROM
- AN430** Adding Floating Point Support to an MC68030 High Performance System
- AN431** Temperature Measurement and Display Using the MC68HC05B4 and the MC14489
- AN432** 128K byte Addressing with the M68HC11
- AN432A** A Monolithic Integrated FM Stereo Decoder System
- AN433** TV On-Screen Display Using the MC68HC05T1
- AN434** Serial Bootstrap for the RAM and EEPROM1 of the MC68HC05B6
- AN435** MC68040 Benchmark Board
- AN436** Error Detection and Correction Routines for M68HC05 Devices Containing EEPROM
- AN437** Using the MC68332 Periodic Interrupt Timer
- AN438** 300W, 88–108MHz Amplifier Using the TP1940 MOSFETs Push-Pull Transistor
- AN439** Booting an MC68040 from a Single Byte-Wide EEPROM
- AN440** MC68HC805B6 and MC68HC705B5 Serial/Parallel Programming Module
- AN441** MC68HC05E0 EPROM Emulator
- AN442** Driving LCDs with M6805 Microprocessors
- AN443** Direction and Speed Control for Series, Universal and Shunt
- AN444** An MC68040-based Zero Wait State Evaluation System
- AN445** Software Model for the Implementation of 1.430 ISDN Physical Layer on the MC145474/5 S/T Bus Transceiver
- AN446** MCM2814 Gang-Programmer Using an MC68HC805B6
- AN447** An MC88100/MC88200 20/25/33MHz System DRAM Design
- AN447A** Appendix to AN447/D: "An MC88100/MC88200 20/25/33MHz System DRAM Design"
- AN448** "FLOF" Teletext Using M6805 Microcontrollers
- AN449** An MC68340 to M88000 MBUS Bus Translator
- AN450** IC Design: A Statistical Approach to Electromigration
- AN451** An MC68340-based Input/Output Processor Design
- AN452** Using the MC68HC11K4 Memory Mapping Logic
- AN460** An RDS Decoder Using the MC68HC05E0
- AN461** An Introduction to the HC16 for HC11 Users
- AN462** FET Current Regulators – Circuits and Diodes
- AN463** MC68HC05K0 Infra-Red Remote Control
- AN464** Software Driver Routines for the MC68HC05 CAN Module
- AN465** MC68HC05K1 & MC68HC05P3 Secure Remote Control
- AN470** Bipolar Chopper Transistors and Circuits
- AN477** Simple A/D for MCUs Without Built-In A/D Converters
- AN484A** Basic Design of Medium Power Audio Amplifiers (3 to 35 Watt)
- AN485** High-Power Audio Amplifiers with Short-Circuit Protection
- AN489** Analysis & Basic Opn of the MC1595
- \*AN504** The MC1600 Series MECL III Gates
- \*AN527** Theory, Characteristics and Applications of the Programmable Unijunction Transistor
- AN531** MC1596 Balanced Modulator
- AN535** Phase-Locked Loop Design Fundamentals
- \*AN541** Medium Scale Integration in the Numerical Control Field
- AN545A** Television Video IF Amplifier Using Integrated Circuits
- \*AN550** Programming the MCM5003/5004 Programmable Read Only Memory
- AN556** Interconnection Techniques for Motorola's MECL 10,000 Series Emitter Coupled Logic
- \*AN559** A Single Ramp Analog-to-Digital Converter

AN567/X	MECL Positive and Negative Logic	*AN782	Interfacing and Controlling Digital Temperature Data Using the MC6800
AN569	Transient Thermal Resistance – General Data and Its Use	AN784	Transient Power Capability of Zener Diodes
AN575A	Variable Speed Control System for Induction Motors	AN790	Thermal Rating of RF Power Transistors
*AN579	Testing MECL 10,000 Integrated Logic Circuits	AN791	A Simplified Approach to VHF Power Amplifier Design
*AN581	An MSI 500MHz Frequency Counter Using MECL and MTTL	AN792	M10800 MECL LSI Circuits
AN587	Analysis and Design of the Op Amp Current Source	*AN797	MC6801/03 Port Expansion
AN593	Broadband Linear Power Amplifiers Using Push-Pull Transistors	*AN801	Using Input/Output Modules in Industrial Control Applications
*AN595	25 Watt and 10 Watt VHF Marine Band Transmitters	*AN802	Interconnections of the DS14500A ICU to the Motorola Mounting System Boards
*AN700	Simulate MECL System Interconnections with a Computer Program	AN803	The Effect of Emitter-Base Avalanching on High-Voltage Power Switching Transistors
AN701	Understanding MECL 10,000 DC and AC Data Sheet Specifications	*AN804	Applications of Ferruled Components to Fiber Optic Systems
AN702	High Speed Digital-to-Analog and Analog-to-Digital Techniques	*AN805	The 5 Volt, 64K Dynamic RAM Is Here, So Is the 32K, So Is the 16K!!!
AN703	Designing Digitally-Controlled Power Supplies	*AN806A	Operation of the MC14469
AN708A	Line Driver and Receiver Considerations	*AN810	Dual 16-bit Ports for the MC68000 Using Two MC6821s
*AN713	Binary D/A Converters can Provide BCD-Coded Conversion	AN814	Using Integrated Detector/Pre-amplifiers in Fiber Optics Systems
AN717	Battery-Powered 5 MHz Frequency Counter	*AN815	Colour Graphics for the MC68000 Using the MC6847
AN719	A New Approach to Switching Regulators	*AN816	Software Refreshed Memory Card for the MC68000
AN720	Interfacing with MECL 10,000 Integrated Circuits	*AN817	Asynchronous Communications for the MC68000 Using the MC6850
AN721	Impedance Matching Networks Applied to RF Power Transistors	*AN819	Prioritized Individually Vectored Interrupts for Multiple Peripheral Systems with the MC68000
AN726	Bussing with MECL 10,000 Integrated Circuits	*AN820	Hardware Considerations for Direct Memory Access Using the MC6809 Microprocessor Unit and MC6844 DMA Controller
AN730A/X	A High Speed FIFO Memory Using the MECL MCM10143 Register File	AN827	The Technique of Direct Programming by Using a Two-Modulus Prescaler
*AN733	A ROM-Digital Approach to PWM-Type Speed Control of AC Motors	AN829	Application of the MC1374 TV Modulator
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*AN740	The Design of an N-Channel 16K x 16 Bit Memory System for the PDP-11	AN840	Temperature Compensation Methods for the Motorola X-ducer Pressure Sensor Element
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