

HITACHI ELECTRONIC COMPONENTS DATABOOK 2003 INDEX

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For Motor Use: up to 40 W
For Motor Use: up to 60 W
For Motor Use: up to 150 W
For Motor Use: up to 2.2 kW

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Visible Laser Diodes
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MOS FET/ Switching Use

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Hitachi Semiconductor Package Databook

Sales Locations

HITACHI Sales Locations

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Microcontroller Overview List

Microcontroller Support Tools Overview

Smart Card Microcontroller

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AE34C Series

AE45C Series

AE45X-B/C Series

AE460 and AE450 Series

AE46C and AE45C1 Series

H8/3161 and H8/3166

Shortform & Brochures

H8 Microcontroller-Reprint from ECE Magazine

H8 Tiny + CAN

H8/300H and H8S 16-Bit Microcontroller Shortform

H8/300H Tiny Series Product Guide

H8/300L Super Low Power Series

H8/3039/3022BF Brochure

H8/3048BF Flash Microcontroller for industrial control

H8/3052BF Brochure

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H8S/21xx Series

H8S/2282F Brochure

H8S/22xx Series

H8S/23xx Series

H8S/2612F Brochure

H8S/2626F/2623F

H8S/2636F

H8S/2638F/2639F

H8S/2646F/2648F

H8S/267x/3633F Series

HCAN Microcontroller

SH-2 Series

SH7047F Series

SH7145F Series

SuperH System Solutions

Microcontroller Hardware Manual

H8/3006, H8/3007 Hardware Manual

H8/3008 Hardware Manual

H8/3022 Hardware Manual

H8/3024 Series Hardware Manual

H8/3039 Series Hardware Manual

H8/3048 Series Hardware Manual

H8/3052F Hardware Manual

H8/3062, 3064 Series Hardware Manual

H8/3067 Series Hardware Manual

H8/3068 F-ZTAT Hardware Manual

H8/3069F Hardware Manual

H8/3090F Hardware Manual

H8/36014 Series Hardware Manual

H8/3664 Series Hardware Manual

H8/3672 Hardware Manual

H8/3687 Series Hardware Manual

H8/3694 Series Hardware Manual

H8/3802 Series Hardware Manual

H8/38024 Series Hardware Manual

H8/3827R Series Hardware Manual

H8/3847R Series (47R/46R/45R/44R/43R/42R)

H8/3867 Series Hardware Manual

H8/3887, H8/3847 Series Hardware Manual

H8S/2128, H8S/2124 Series Hardware Manual

H8S/2138, H8S/2134 F-ZTAT Series Hardware Manual

H8S/2148, H8S/2144 Series Hardware Manual

H8S/2214, H8S/2214F Hardware Manual

H8S/2237, H8S/2227 Hardware Manual

H8S/2238 Series Hardware Manual

H8S/2239 Series Hardware Manual

H8S/2245 Series Hardware Manual

H8S/2268 Series, H8S/2268 F-ZTAT

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H8S/2282 Series Hardware Manual
H8S/2319, 2318 Series Hardware Manual
H8S/2328, 2329 Series Hardware Manual
H8S/2345 Hardware Manual
H8S/2350 Hardware Manual
H8S/2355 Hardware Manual
H8S/2357 Hardware Manual
H8S/2368 Series Hardware Manual
H8S/2378 , 2378R Series Hardware Manual
H8S/2612 Series Hardware Manual
H8S/2623, H8S/2626 Series Hardware Manual
H8S/2633, H8S/2633F Series Hardware Manual
H8S/2636, 2638 F-ZTAT Hardware Manual
H8S/2646 Series Hardware Manual
H8S/2655/2653 Hardware Manual
H8S/2668, 2667F Hardware Manual
H8S/2678, 2678R, 2676, 2675, 2674R ,73,70 Hardw. Manual
SH-2E (SH7058F) Hardware Manual
SH7014, SH7016, SH7017F Hardware Manual
SH7040 Series Hardware Manual
SH7046 Series Hardware Manual
SH7052F, 7053F, 7054F Hardware Manual
SH7055F Hardware Manual
SH7144 Series Hardware Manual
SH7616 Hardware Manual
SH7622 Hardware Manual
SH7709S Hardware Manual
SH7727 Hardware Manual
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SH7750 (SH-4) Hardware Manual
SH7751 Hardware Manual

Micro. Program. Manual

H8/300H Programming Manual
H8/300L Programming Manual
H8S/2600 / 2000 Programming Manual
SH-1, SH-2 SH-DSP Programming Manual
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H8/3867 Series Application Note
H8S Series, Questions & Answers
H8S/2655 Interface Volume, Application Note
SH RISC engine C Compiler, App. Note
SH-DSP Software Application Note
SH7000 CPU Application Note
Using the H8S/2612 & SH7047 MMT & DTC Peripherals

Microprocessor Shortform

SuperH System Solutions

Microprocessor Hardware Manual

SH7616 Hardware Manual
SH7622 Hardware Manual
SH7709S Hardware Manual
SH7727 Hardware Manual
SH7729R Series Hardware Manual
SH7750 (SH-4) Series Hardware Manual
SH7751 (SH-4) Series Hardware Manual

Microprocessor Program. Manual

SH-1, SH-2 SH-DSP Programming Manual
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Microcontroller & Processor Development Tools

CodeScape Development System
E6000 Emulators
Evaluation Development Kit(s)
Hitachi Embedded Workbench 2
SH C/C++ Compiler

Memories General

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Memory Devices

HN29W12811
HN58C1001
HN58C256A
HN58C256AI
HN58C257A
HN58S256A
HN58V1001
HN58V256A
HN58V256AI
HN58V257A
HN58V65A
HN58V65AI
HN58V66A
HN58V66AI
HB288032MM1
HB288064MM1
HN58X2408I
HN58X2432I
HN58X2416I
HN58X2464I
HN58X24128I
HN58X24256I
HB288016MM1
HB288032SM1
HB288064SM1
HB2881000A6

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HB288800A6
HB288640A6
HB288448A6
HB288320A6
HB288256A6
HB288192A6
HB288160A6
HB288128A6
HB288096A6
HB288064A6
HB288032A6
HB288064C6
HB288192C6
HB288160C6
HB288128C6
HB288096C6
HB288032C6
HB28C048A6
HB28C032A6
HB28C016A6
HB28C048C6
HB28C032C6
HB28C016C6
HN58X2402SFPIAG
HN58X2404SFPIAG
HN58X2408FPIAG
HN58X2416FPIAG
HN58X2432FPIAG
HN58X2464FPIAG
HN58X2402SI
HN58X2404SI
HM628512C
HM628512CI
HM62V8512C
HM62V16256CBP
HM62V16256CI
HM62V8512CI
HM62V8512CTS
HM62W4100HC
HM62G36256A
HM628511HC

HM62V16512i
HB28A896iA1
HB28B2000A6
HB28B1000A6
HB28B640A6
HB28B512A6
HB28B448A6
HB28B320A6
HB28B256A6
HB28B192A6
HB28B128A6
HB28B064A6
HB28B512C6
HB28B448C6
HB28B320C6
HB28B256C6
HB28B192C6
HB28B128C6
HB28B064C6
HB28B2000A8H
HB28B1000A8H
HB28B640A8H
HB28B512A8H
HB28B448A8H
HB28B320A8H
HB28B256A8H
HB28B192A8H
HB28B128A8H
HB28B064A8H
HB28B512C8
HB28B448C8
HB28B320C8
HB28B256C8
HB28B192C8
HB28B128C8
HB28B064C8
HB28B512C8C
HB28B448C8C
HB28B320C8C
HB28B256C8C
HB28B192C8C

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HB28B128C8C
HB28B064C8C
HB28B512C8H
HB28B448C8H
HB28B320C8H
HB28B256C8H
HB28B192C8H
HB28B128C8H
HB28B064C8H
HB28B2000A8
HB28B1000A8
HB28B640A8
HB28B512A8
HB28B448A8
HB28B320A8
HB28B256A8
HB28B192A8
HB28B128A8
HB28B064A8
HB28D096A8
HB28D032A8
HB28D096C6
HB28D032C6
HB28D096C8
HB28D032C8
HB28A512iA1
HB28D160A6
HB28D096A6
HB28D032A6
HB28D096A8H
HB28D032A8H
HB28D096C8C
HB28D032C8C
HB28D096C8H
HB28D032C8H
HB28E016MM2
HB28D032MM2
HB28B064MM2
HB28B128MM2
HM621xxxHC
HM62162xxHC

HM628511HCI
HM6216255HCi
HM6216514i
HM624100HC
HM62G18512A
HM62G362xxxA
HM62W16xxxHC
HM62W8511HC
HM62W8511HCI
HN29V102414
HN29V102414T
HN29V25611A
HN29V25611ABP
HN29V25611AT
HN29V51211
HN29V51211T
HN29W25611
HN29W25611S
HN29W25611T
HN58V24512i
HM628100i
HM62V16100i
HM62V16102i
HM62V16256C
HM62V16514i
HM66WP36513
HM66WP18512
HN58W241000I
HN58X24512i
HM62V8100i

MultiMediaCard Documents

MultiMediaCard TM Development Tools
MultiMediaCard TM Produkt Features
MultiMediaCard TM Users Manual
Secure MultiMediaCard TM Product Features

Controller for AND Flash Memory

HN29W256H02 TE-1
HN29W64AH05 TE-1

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Flash Card Documents

CompactFlash TM and PC-ATA Card Product Features
Flash Application Design Guidelines
Flash Memory Cards Overview

Multi Purpose Products

Diodes / General Use

System Protection Diodes

HSM107S
HSM126S

Surge Absorption Diodes

HZB56MFA
HZB68MWA
HZB68ZMFA
HZCSERIES
HZM27FA
HZM27WA
HZM33WA
HZM43FA
HZM56ZFA
HZM62ZFA
HZM62ZMFA
HZM62ZMWA
HZM62ZWA
HZM68MFA
HZM68MWA
HZM68ZMFA
HZM68ZMWA
HZN68ZMFA
HZU_G

Voltage Compensation Zener Diodes

1N4728A
1N5223B_58B
HZ
HZ_L

HZ_P
HZH
HZK
HZK_L
HZK_LL
HZM_N
HZS
HZS_L
HZS_LL
HZS_N
HZU
HZU_LL

Schottky Barrier Diodes for Speed Switching

HRB0103A
HRB0103B
HRB0502A
HRC0103A
HRC0203B
HRU0103A
HRU0203A
HRU0302A
HRW0202A
HRW0202B
HRW0203A
HRW0302A
HRW0502A
HRW0503A
HRW0702A
HRW0703A

Small Signal Diodes

1N4148
1S2074H
1S2075K
1S2076
1S2076A
1SS119
1SS120
1SS270
1SS270A

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1SS81
1SS82
1SS83
HSB123
HSB124S
HSB2836
HSB2838
HSB83
HSB83YP
HSC119
HSK120
HSK122
HSK4148
HSK83
HSM123
HSM124S
HSM221C
HSM223C
HSM2836C
HSM2838C
HSM83
HSS104
HSS81
HSS82
HSS83
HSU119
HSU83

Diodes / High Frequency Diodes

Variable Capacitance Diodes for Elektronik Tuning

HVB27WK
HVB350BY
HVB387BW
HVC200A
HVC202A
HVC202B
HVC300A
HVC300B
HVC306A
HVC306B

HVC308A
HVC316
HVC317B
HVC350B
HVC355B
HVC358B
HVC359
HVC362
HVC363A
HVC363B
HVC365
HVC366
HVC368B
HVC369B
HVC372B
HVC374B
HVC375B
HVC376B
HVC379B
HVC380B
HVC381B
HVC383B
HVC385B
HVC386B
HVC417C
HVD350B
HVD355B
HVD358B
HVD359
HVD365
HVD368B
HVD369B
HVD372B
HVD380B
HVD381B
HVD385B
HVL358B
HVM16
HVM27WK
HVM28BWK
HVR100

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HVU200A
HVU202A
HVU202B
HVU300A
HVU300B
HVU306A
HVU306B
HVU307
HVU316
HVU350B
HVU355B
HVU359
HVU363A
HVU363B
HVU383B
HVU417C

High Frequency Switching Diodes

HSC277
HSM2694
HSU277

PIN Diodes for Antenna Swiching

HVC131
HVC132
HVC133
HVC134
HVC135
HVC136
HVC142
HVC145
HVD131
HVD132
HVD133
HVD135
HVD136
HVD138
HVD141
HVD142
HVD144
HVD144A

HVD145
HVU131
HVU132
HVU133
HVU134
HVU145

PIN Diodes for Attenuator

HVB14S
HVB187YP
HVM14
HVM14S
HVM14SR
HVM187S
HVM187WK
HVM189S
HVU187

Schottky Barrier Diodes for Detection and Mixer

1SS106
1SS198
1SS286
1SS86
1SS88
HSB0104Y
HSB226S
HSB226YP
HSB276AS
HSB276AY
HSB276S
HSB278S
HSB83YP
HSB88AS
HSB88WA
HSB88WK
HSB88WS
HSB88YP
HSC226
HSC276
HSC276A
HSC278

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HSC88
HSD226
HSD276A
HSD278
HSD88
HSM198S
HSM276AS
HSM276ASR
HSM276S
HSM276SR
HSM88AS
HSM88ASR
HSM88WA
HSM88WK
HSN278WK
HSU227
HSU276
HSU276A
HSU88

High Voltage IC's / ECN for Motor Control

For Motor Use: up to 40 W

30102SP
30105SP
3018AP
3018SP
3021AP
3021SP
3061AP
3061SP
3063AP
3063SP

For Motor Use: up to 60 W

30204SP
3021AP
3022SP
30601SP
3063AP

3064SP

For Motor Use: up to 150 W

3067AP
3067SP

For Motor Use: up to 2.2 kW

3030AP
3030SP
3035SP
3053AP
3054SP

Optoelectronic Devices

Visible Laser Diodes

HL6312G
HL6314MG
HL6315G
HL6319G
HL6321G
HL6323MG
HL6324MG
HL6325G
HL6327MG
HL6331G
HL6333MG
HL6335G
HL6339G
HL6343G
HL6347MG
HL6501MG
HL6503MG
HL6504FM
HL6512MG
HL6513FM
HL6515MG
HL6712G
HL6713G
HL6714G
HL6720G

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HL6722G
HL6724MG
HL6738MG
HL7859MG
HL8325G

Infrared Light Emitting Diodes

HE7601SG
HE8404SG
HE8807SG
HE8811
HE8812SG

Communications Laser Diodes

HL1328DJS
HL1336DJS
HL1337DNS
HL1337DSP
HL1337DSS
HL1338DJS
HL1511AF
HL1513AF
HL1553
HL1569AF
HL1570AF

Communications Photodiodes

HR1155PAS
HR1156PAS
HR1157PAS
HR1158PAS
HR1161PDS

Standard Linear IC's / General Use

Operational Amplifier (Bipolar)

HA17080
HA17301P
HA17324A
HA17358A
HA17458
HA17474
HA17558
HA17741
HA17747
HA17902
HA17902A
HA17904
HA17904A

Voltage Comparators

HA17339
HA17393
HA17901
HA17903

Transistors Arrays

HA1127

Standard Linear IC's / Power Supply

Switching Regulators

HA16107P
HA16114P
HA16116F
HA16117
HA16141APN
HA16141P
HA16142PFP
HA16150T_P
HA16158P_FP
HA16163T
HA16341NT
HA17384

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HA17451AP
HA17524P

Shunt Regulators

HA17431
HA17L431

Positive Voltage 3-Terminal Regulators

HA178L00

Negative Voltage 3-Terminal Regulators

HA179L00

Standard Logic IC's / Uni Logic

HD74HC1G Series

HC1G00
HC1G02
HC1G04
HC1G08
HC1G14
HC1G32
HC1G66
HC1G86
HC1GU04

HD74HCT1G Series

HCT1G00
HCT1G02
HCT1G04
HCT1G08
HCT1G14
HCT1G32
HCT1G66
HCT1G86

HD74LV1G-A Series

LV1G00A
LV1G02A
LV1G04A
LV1G08A
LV1G125A
LV1G126A
LV1G14A
LV1G32A
LV1G66A
LV1G86A
LV1GU04A

HD74LV2G-A Series

LV2G00A
LV2G02A
LV2G04A
LV2G08A

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LV2G123A
LV2G125A
LV2G126A
LV2G14A
LV2G157A
LV2G240A
LV2G241A
LV2G245A
LV2G32A
LV2G34A
LV2G53A
LV2G66A
LV2G74A
LV2GU04A

HD74LV1GT_A Series

LV1GT00A
LV1GT02A
LV1GT04A
LV1GT08A
LV1GT125
LV1GT126
LV1GT14A
LV1GT32A
LV1GT66A
LV1GT86A

HD74LV2GT_A Series

LV2GT00A
LV2GT02A
LV2GT04A
LV2GT08A
LV2GT123A
LV2GT125A
LV2GT126A
LV2GT14A
LV2GT157A
LV2GT240A
LV2GT241A
LV2GT245A
LV2GT32A

LV2GT34A
LV2GT53A
LV2GT66A
LV2GT74A
LV2GT86A

HD74ALVC1G Series

ALVC1G00
ALVC1G02
ALVC1G04
ALVC1G06
ALVC1G07
ALVC1G08
ALVC1G125
ALVC1G126
ALVC1G14
ALVC1G240
ALVC1G32
ALVC1G66
ALVC1G79
ALVC1G80
ALVC1G86

HD74ALVC2G Series

ALVC2G00
ALVC2G02
ALVC2G04
ALVC2G06
ALVC2G07
ALVC2G08
ALVC2G125
ALVC2G126
ALVC2G14
ALVC2G157
ALVC2G240
ALVC2G241
ALVC2G245
ALVC2G32
ALVC2G34
ALVC2G53
ALVC2G66

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ALVC2G74
ALVC2G86

HD74UH Series

UH00
UH02
UH04
UH08
UH32
UH4066

Standard Logic IC's / Low Voltage Standard Logic

HD74LV-A Series

LV00A
LV02A
LV04A
LV05A
LV06A
LV07A
LV08A
LV10A
LV11A
LV123A
LV125A
LV126A
LV132A
LV138A
LV139A
LV14A
LV157A
LV161A
LV163A
LV166A
LV20A
LV21A
LV221A
LV240A
LV244A
LV245A
LV273A

LV27A
LV32A
LV373A
LV374A
LV393A
LV4040A
LV4051A
LV4053A
LV4066A
LV540A
LV541A
LV595A
LV74A
LV86A
LVU04A

HD74LVC Series

LVC00
LVC02
LVC04
LVC08
LVC125A
LVC138
LVC139
LVC14
LVC16240A
LVC16241
LVC16244
LVC16244A
LVC16245A
LVC16373A
LVC16374A
LVC16540
LVC16541
LVC2244A
LVC240A
LVC244A
LVC245A
LVC32
LVC373A
LVC374A

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LVC4245A
LVC533
LVC534
LVC540A
LVC541A
LVC573A
LVC574A
LVC74
LVCC3245A
LVCC4245A
LVCR2245A
LVCZ240A
LVCZ244A
LVCZ245A

HD74ALVC Series

ALVC162244
ALVC162334
ALVC16244
ALVC162834
ALVC162834A
ALVC162835
ALVC162835A
ALVC162836
ALVC1633
ALVC16834
ALVC16835
ALVC16836
ALVCH162244
ALVCH162260
ALVCH162270
ALVCH162334
ALVCH162373
ALVCH162374
ALVCH16244
ALVCH16245
ALVCH162500
ALVCH162501
ALVCH162543
ALVCH16260
ALVCH16269

ALVCH16270
ALVCH162721
ALVCH162820
ALVCH162821
ALVCH162825
ALVCH162827
ALVCH162830
ALVCH162831
ALVCH162832
ALVCH162835
ALVCH162836
ALVCH16334
ALVCH16373
ALVCH16374
ALVCH16500
ALVCH16501
ALVCH16543
ALVCH16721
ALVCH16820
ALVCH16821
ALVCH16825
ALVCH16827
ALVCH16830
ALVCH16831
ALVCH16832
ALVCH16835
ALVCH16836
ALVCHR16
ALVCHS162830

HD74CDC Series

CDC2509B
CDC2510B
CDCF2509B
CDCF2510B
CDCV851
CDCV857
CDCV857A

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HD74SSTV Series

SSTV16842
SSTV16857
SSTV16857A
SSTV16858
SSTV16859

Standard Logic IC's / CMOS Logic

HD74HC Series

HC00
HC01
HC02
HC04
HC05
HC08
HC09
HC10
HC107
HC108
HC109
HC11
HC112
HC113
HC114
HC123A
HC125
HC131
HC132
HC133
HC137
HC138
HC139
HC14
HC147
HC148
HC149
HC151
HC152
HC153
HC154

HC155
HC157
HC160
HC164
HC165
HC166
HC173
HC174
HC175
HC180
HC182
HC190
HC192
HC194
HC195
HC20
HC21
HC221
HC237
HC238
HC240
HC241
HC242
HC244
HC245
HC251
HC253
HC257
HC258
HC259
HC27
HC273
HC279
HC280
HC283
HC292
HC298
HC299
HC30
HC32
HC323

HITACHI ELECTRONIC COMPONENTS DATABOOK 2003 INDEX

HC352
HC353
HC354
HC356
HC365
HC366
HC367
HC368
HC373
HC374
HC375
HC377
HC386
HC390
HC393
HC4017
HC4020
HC4022
HC4024
HC4040
HC4051
HC4052
HC4060
HC4066
HC42
HC423A
HC442
HC4511
HC4514
HC4515
HC4518
HC4538
HC4543
HC490
HC51
HC540
HC563
HC564
HC589
HC590
HC592

HC595
HC597
HC620
HC640
HC646
HC651
HC668
HC670
HC673
HC674
HC677
HC678
HC679
HC680
HC682
HC688
HC7266
HC73
HC74
HC75
HC76
HC77
HC78
HC83
HC85
HC86
HC91
HC93
HC95
HCT125
HCT137
HCT138
HCT237
HCT238
HCT240
HCT241
HCT242
HCT244
HCT245
HCT373
HCT374

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HCT449
HCT540
HCT563
HCT564
HCT620
HCT640
HCT688

HD74AC Series

HD74AC00
HD74AC02
HD74AC04
HD74AC08
HD74AC107
HD74AC112
HD74AC123A
HD74AC125
HD74AC126
HD74AC138
HD74AC139
HD74AC14
HD74AC153
HD74AC157
HD74AC158
HD74AC164
HD74AC165
HD74AC166
HD74AC174
HD74AC175
HD74AC182
HD74AC194
HD74AC195
HD74AC240
HD74AC241
HD74AC244
HD74AC245
HD74AC259
HD74AC273
HD74AC280
HD74AC283
HD74AC298

HD74AC32
HD74AC365
HD74AC366
HD74AC367
HD74AC368
HD74AC373
HD74AC374
HD74AC393
HD74AC4024
HD74AC538
HD74AC539
HD74AC670
HD74AC74
HD74AC86
HD74ACT161

Standard Logic IC's / Bi-CMOS Logic

HD74BC Series

BC240A
BC244A
BC245A
BC373A
BC374A
BC533A
BC534A
BC540A
BC541A
BC563A
BC564A
BC573A
BC574A
BC620A
BC623A
BC640A
BC645A

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Standard Logic IC's / TTL IC's

HD74LS Series

74LS00
74LS01
74LS02
74LS03
74LS04_5
74LS06
74LS07
74LS08
74LS09
74LS10
74LS107A
74LS109A
74LS11
74LS112
74LS113
74LS114
74LS12
74LS122
74LS123
74LS125A
74LS126A
74LS13
74LS132
74LS136
74LS138
74LS139
74LS14
74LS145
74LS148
74LS151
74LS152
74LS153
74LS155
74LS156
74LS157
74LS158
74LS160A
74LS161A

74LS162A
74LS163A
74LS164
74LS165A
74LS166A
74LS170
74LS174
74LS190
74LS191
74LS192
74LS193
74LS194A
74LS195A
74LS20
74LS21
74LS22
74LS221
74LS240
74LS241
74LS242
74LS243
74LS244
74LS245
74LS247
74LS248
74LS249
74LS251
74LS253
74LS257
74LS258
74LS259
74LS26
74LS266
74LS27
74LS273
74LS279
74LS280
74LS283
74LS293
74LS298
74LS299

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74LS30
74LS32
74LS365A
74LS366A
74LS367A
74LS368A
74LS37
74LS373
74LS374
74LS375
74LS38
74LS386
74LS390
74LS393
74LS40
74LS42
74LS47
74LS48
74LS49
74LS51
74LS54
74LS55
74LS640
74LS6401
74LS641
74LS6411
74LS642
74LS6421
74LS645
74LS6451
74LS668
74LS669
74LS670
74LS73A
74LS74A
74LS75
74LS76A
74LS77
74LS78A
74LS83A
74LS85

74LS86
74LS91
74LS92
74LS93
74LS95B

Standard Logic IC's / ASSP

Interface IC's

HD151005
HD151011
HD151012
HD151015
HD151240
HD151244
HD151245
HD26C31
HD26C32A
HD26LS31
HD26LS33
HD29026A
HD29029
HD29050
HD29051
HD293486
HD293487
HD29412
HD29413
HD29468
HD75153
HD75159
HD75160A
HD75161A
HD75173
HD75175

HD74CBT Series

CBT16210
CBT16212A
CBT1G125
CBT1G126

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CBT32160C
CBT3244
CBT3245A
CBT3253
CBT3257
CBT3345
CBT3384A
CBTS16212A

Clock Generator

HD151BF853
HD151BF854
HD151TS174
HD151TS180SS
HD151TS301RP
HD151TS302ARP
HD151TS302RP
HD151TS303RP
HD151TS304ARP
HD151TS304RP
HD151TS305RP
HD151TS306RP
HD151TS307RP
HD151TS308RP
HD151TS403SS
HD151TS405SS

Transistors / Bipolar Amplifier Use

Small Signal Transistors General Purpose

2SA1025
2SA1029
2SA1031
2SA1052
2SA1083
2SA1121
2SA1122
2SA1171
2SA1188
2SA1190
2SA1337
2SA1350
2SA1374
2SA1390
2SA1468
2SA1484
2SA1485
2SA1566
2SA1617
2SA2080
2SA2081
2SA2083
2SA673
2SA836
2SA844
2SA872
2SA893
2SB1001
2SB1002
2SB1025
2SB1026
2SB1027
2SB1028
2SB1059
2SB1688
2SB561
2SB562
2SB647

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2SB715
2SB738
2SB740
2SB831
2SC1213
2SC1214
2SC1344
2SC1775
2SC1890
2SC1921
2SC2309
2SC2396
2SC2462
2SC2463
2SC2545
2SC2610
2SC2618
2SC2853
2SC2855
2SC3380
2SC3390
2SC3413
2SC3470
2SC3553
2SC3836
2SC4050
2SC4366
2SC4367
2SC458
2SC458LG
2SC4647
2SC4702
2SC4829
2SC5850
2SC5862
2SD1101
2SD1306
2SD1366
2SD1366A
2SD1367
2SD1368

2SD1418
2SD1419
2SD1420
2SD1421
2SD1489
2SD1490
2SD1504
2SD1868
2SD1922
2SD1974
2SD2030
2SD2247
2SD2263
2SD2651
2SD2655
2SD467
2SD468
2SD655
2SD667
2SD755
2SD787
2SD789

Small Signal Transistors High Frequency Amplifier (Twin Type)

HTT1115E
HTT1115S
HTT1213E
HTT1213S

Small Signal Transistors High Frequency Amplifier

2SA1960
2SC1342
2SC1906
2SC1907
2SC2471
2SC2512
2SC2619
2SC2620
2SC2732
2SC2734

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2SC2735
2SC2736
2SC2776
2SC3127
2SC3391
2SC3494
2SC3512
2SC3513
2SC3793
2SC3867
2SC4126
2SC4196
2SC4197
2SC4260
2SC4261
2SC4262
2SC4264
2SC4265
2SC4308
2SC4463
2SC4537
2SC454
2SC4591
2SC4592
2SC4593
2SC460
2SC4628
2SC4629
2SC4680
2SC4693
2SC4784
2SC4791
2SC4807
2SC4899
2SC4900
2SC4901
2SC4926
2SC4964
2SC4965
2SC4988
2SC4993

2SC4994
2SC4995
2SC5049
2SC5050
2SC5051
2SC5078
2SC5079
2SC5080
2SC5081
2SC5137
2SC5139
2SC5218
2SC5225
2SC5246
2SC5247
2SC535
2SC5543
2SC5544
2SC5545
2SC5554
2SC5555
2SC5593
2SC5594
2SC5623
2SC5624
2SC5628
2SC5629
2SC5631
2SC5700
2SC5702
2SC5757
2SC5758
2SC5772
2SC5773
2SC5812
2SC5827
2SC5828
2SC5849
2SC5851
2SC5852
2SC5890

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Bipolar Power Transistors General Purpose

2SA715
2SA743
2SB1407L
2SB1409L
2SB649
2SB857
2SB859
2SB860
2SB861
2SC1162
2SC1212
2SC2611
2SC5390
2SD1133
2SD1135
2SD1609
2SD2121L
2SD2122L
2SD669

Transistors / Bipolar / Switching Use

Small Signal Transistors Switching

2SA673AK
2SA778K
2SC1213AK
2SC1345K
2SC1515K
2SC458K
2SD974

Small Signal Transistors Switching (Darlington)

2SA1193K
2SB1048
2SC1472K
2SC3957
2SD1209K
2SD1470
2SD1471
2SD1472

2SD1978
2SD2213
2SD2423

Built-in Resistor Transistor

BRA144ECM
BRA144EMP
BRA144ETP
BRC144ECM
BRC144EMP
BRC144ETP

Bipolar Power Transistors Switching

2SB1392
2SB1530
2SB566K
2SC2612
2SC2613
2SC2816
2SC2898
2SC2899
2SC2979
2SC3336
2SC3365
2SC4499L
2SC4913
2SC5022
2SC5273
2SD1137
2SD1138
2SD1163
2SD1527
2SD2107
2SD2115L
2SD2337
2SD476K
2SD975

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Bipolar Power Transistors Switching (Darlington)

2SA1194K
2SB1012K
2SB1032K
2SB1079
2SD1521
2SD1559
2SD1606
2SD1970
2SD1976
2SD2019
2SD2101
2SD2104
2SD2106
2SD2124L
2SD768K
2SD970K
2SB1091
2SB1103
2SB1389
2SB1390
2SB1391
2SB1399
2SB1400
2SB1494
2SB727K
2SB791K
2SB955K
2SC1881K
2SC2324K
2SC4500L
2SD1113K
2SD1126K
2SD1376K
2SD1436K

IGBT's

2SH11
2SH12
2SH13
2SH14

2SH15
2SH16
2SH17
2SH18
2SH19
2SH20
2SH21
2SH22
2SH26
2SH27
2SH28
2SH29
2SH30
2SH31

Transistors / MOS FET / Amplifier Use

Small Signal FETs General Purpose

2SK1070
2SK435
2SK494

Small Signal FETs High Frequency Amplifier

2SK1215
2SK168
2SK217
2SK2685
2SK359
2SK360
2SK439
3SK295
3SK296
3SK297
3SK298
3SK300
3SK309
3SK317
3SK318
3SK319
BB101C
BB101M

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BB102C
BB102M
BB301C
BB301M
BB302C
BB302M
BB303C
BB303M
BB304C
BB304M
BB305C
BB305M
BB501C
BB501M
BB502C
BB502M
BB503C
BB503M
BB504C
BB504M
BIC702C
BIC702M
BIC703C
BIC703M

Small Signal FETs High Frequency Amplifier (Twin Type)

TBB1001
TBB1002
TBB1004
TBB1005
TBB1008

Power MOS FETs General Purpose

2SJ160
2SJ351
2SJ76
2SK1056
2SK213
2SK2220

Power MOS FETs High Frequency Amplifier

2SK3174A
2SK3175A
2SK3390
2SK3391

Transistors / MOS FET / Switching Use

Power MOS FETs Switching

2SJ117
2SJ130LS
2SJ181L
2SJ186
2SJ217
2SJ221
2SJ222
2SJ244
2SJ247
2SJ248
2SJ278
2SJ317
2SJ319LS
2SJ350
2SJ361
2SJ363
2SJ386
2SJ387LS
2SJ399
2SJ410
2SJ450
2SJ451
2SJ452
2SJ471
2SJ479LS
2SJ483
2SJ484
2SJ486
2SJ496
2SJ504
2SJ505LS
2SJ506LS

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2SJ517	2SK1299L
2SJ518	2SK1300
2SJ526	2SK1301
2SJ527LS	2SK1302
2SJ528LS	2SK1303
2SJ529LS	2SK1304
2SJ530LS	2SK1305
2SJ531	2SK1306
2SJ532	2SK1307
2SJ533	2SK1313L
2SJ534	2SK1315L
2SJ535	2SK1317
2SJ539	2SK1318
2SJ540	2SK1328
2SJ541	2SK1334
2SJ542	2SK1335L
2SJ543	2SK1336
2SJ544	2SK1337
2SJ545	2SK1338
2SJ546	2SK1339
2SJ547	2SK1340
2SJ548	2SK1341
2SJ549LS	2SK1342
2SJ550LS	2SK1400A
2SJ551LS	2SK1401A
2SJ552LS	2SK1402A
2SJ553LS	2SK1403A
2SJ554	2SK1404
2SJ555	2SK1405
2SK1151L	2SK1515
2SK1153	2SK1517
2SK1155	2SK1519
2SK1157	2SK1521
2SK1159	2SK1526
2SK1161	2SK1528L
2SK1163	2SK1540L
2SK1165	2SK1566
2SK1167	2SK1572
2SK1169	2SK1573
2SK1254L	2SK1579
2SK1298	2SK1620L

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2SK1623L
2SK1626
2SK1628
2SK1636L
2SK1637
2SK1647L
2SK1666
2SK1667
2SK1668
2SK1669
2SK1670
2SK1671
2SK1697
2SK1698
2SK1761
2SK1762
2SK1764
2SK1772
2SK1773
2SK1775
2SK1807
2SK1808
2SK1809
2SK1831
2SK1835
2SK1836
2SK1838L
2SK1859
2SK1862
2SK1880L
2SK1933
2SK1934
2SK1947
2SK1948
2SK1957
2SK1968
2SK1971
2SK2007
2SK2008
2SK2059L
2SK2075

2SK2084L
2SK2085
2SK2096
2SK2097
2SK2114
2SK2116
2SK2118
2SK2144
2SK2202
2SK2203
2SK2212
2SK2225
2SK2247
2SK2315
2SK2328
2SK2329L
2SK2373
2SK2393
2SK2408
2SK2423
2SK2425
2SK2426
2SK2431
2SK2529
2SK2553L
2SK2554
2SK2568
2SK2569
2SK2570
2SK2582
2SK2586
2SK2590
2SK2684L
2SK2725
2SK2726
2SK2727
2SK2728
2SK2729
2SK2730
2SK2734
2SK2735L

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2SK2736
2SK2737
2SK2738
2SK2788
2SK2796L
2SK2800
2SK2802
2SK2828
2SK2851
2SK2869
2SK2885L
2SK2912L
2SK2925L
2SK2926L
2SK2927
2SK2928
2SK2929
2SK2930
2SK2931
2SK2932
2SK2933
2SK2934
2SK2935
2SK2936
2SK2937
2SK2938L
2SK2939L
2SK2940L
2SK2955
2SK2956
2SK2957L
2SK2958L
2SK2959
2SK2978
2SK2980
2SK3000
2SK3069
2SK3070L
2SK3080
2SK3081
2SK3082L

2SK3134L
2SK3135L
2SK3136
2SK3140
2SK3141
2SK3142
2SK3147L
2SK3148
2SK3149
2SK3150L
2SK3151
2SK3152
2SK3153
2SK3154
2SK3155
2SK3156
2SK3157
2SK3158
2SK3159
2SK3160
2SK3161L
2SK3162
2SK3163
2SK3177
2SK3203L
2SK3207
2SK3209
2SK3210L
2SK3211L
2SK3212
2SK3214
2SK3215
2SK3228
2SK3229
2SK3233
2SK3234
2SK3235
2SK3274L
2SK3418
2SK3419
2SK3461L

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2SK740
2SK975
H5N2004D
H5N2005D
H5N2503P
H5N2504D
H5N2505D
H5N2508D
H5N2509P
H5N2510D
H5N3003P
H5N3004P
H5N5001F
H5N5004P
H5N5005P
H5N5006F
H5N5006FM
H5N5006LDLSLM
H5N6001P
H7N0203AB
H7N0307AB
H7N0307LDLSLM
H7N0308AB
H7N0308CF
H7N0310LDLSLM
H7N0312LDLSLM
H7N0401LDLSLM
H7N0602LDLSLM
HAT1016R
HAT1020R
HAT1021R
HAT1023R
HAT1024R
HAT1025R
HAT1026R
HAT1029R
HAT1031T
HAT1033T
HAT1036R
HAT1038R
HAT1041T

HAT1043M
HAT1044M
HAT1046R
HAT1048R
HAT1053M
HAT1054R
HAT2016R
HAT2019R
HAT2020R
HAT2022R
HAT2024R
HAT2025R
HAT2026R
HAT2027R
HAT2028R
HAT2029R
HAT2031T
HAT2033R
HAT2036R
HAT2037T
HAT2038R
HAT2039R
HAT2040R
HAT2042T
HAT2043R
HAT2044R
HAT2045T
HAT2049T
HAT2050T
HAT2051T
HAT2052T
HAT2053M
HAT2054M
HAT2058R
HAT2059R
HAT2060R
HAT2064R
HAT2068R
HAT2070R
HAT2071R
HAT2077R

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HAT2080R
HAT2080T
HAT2085R
HAT2085T
HAT2087R
HAT2088R
HAT2089R
HAT2092R
HAT2093R
HAT2096H
HAT2099H
HAT2108R
HAT2116H
HAT3004R
HAT3006R
HAT3008R
HAT3010R

Power MOS FETs u-FET (Small Signal Switching)

2SJ574
2SJ575
2SJ576
2SJ586
2SJ588
2SK3287
2SK3288
2SK3289
2SK3290
2SK3348
2SK3349
2SK3378
H5N0301SM
H5P0301SM

Power MOS FETs Thermal FETs

HAF1001
HAF1002L
HAF1004LS
HAF1009LS
HAF2001
HAF2002

HAF2005
HAF2007L
HAF2008
HAF2011L
HAF2012L
HAF2014
HAF2015RJ
HAF2021LS

Power MOS FETs Array

4AJ11
4AK15
4AK16
4AK17
4AK18
4AK19
4AK20
4AK21
4AK22
4AK23
4AK25
4AK26
4AK27
4AM11
4AM12
4AM13
4AM14
4AM15
4AM16
6AM11
6AM12
6AM13
6AM14
6AM15

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Video and Audio IC's

A-D Converters (common use of 1st-2nd generation)

HD49323A

Audio Applications

HA12134A
HA12141N
HA12155N
HA12163
HA12167F
HA12173
HA12179F
HA12181F
HA12187F
HA12188A
HA12192F
HA12203N
HA12206N
HA12207N
HA12209F
HA12211N
HA12215F
HA12216F
HA12219N
HA12220F
HA12226F
HA12228F
HA12230N
HA12231F
HA12232F
HA13118
HA13143
HA13153A
HA13155
HA13156
HA13158A
HA13159
HA13164A
HD49235FS
HD49323A

LSI Kit For 3rd Generation Digital Cameras

HD493231

VCR Applications Manuals

220F
235FS
507069
507070
507071
507072
607034B
607038A
607039
607040
HA12226
HA13532N
HA13536F
HA13557A
HA1356
HA13561F
HA13565F
HA13566A
HA13568A
HA13571F
HA13614F
HA13705C
HA155121
HA22032T
HA22039
HA22040
HD155101
HD155111
HD49815
PLLSB6
PLLSB7
PLLSF4