## T. T. L. LOW POWER SCHOTTKY

| | | | |
|---|---|---|---|
| β 74LS00 | β 74LS20 | β 74LS55 | β 74LS161 |
| β 74LS02 | β 74LS21 | β 74LS74 | β 74LS162 |
| β 74LS03 | β 74LS22 | β 74LS86 | β 74LS163 |
| β 74LS04 | β 74LS27 | β 74LS123 | β 74LS174 |
| β 74LS05 | β 74LS28 | β 74LS125 | β 74LS175 |
| β 74LS08 | β 74LS30 | β 74LS126 | β 74LS241 |
| β 74LS09 | β 74LS32 | β 74LS132 | β 74LS253 |
| β 74LS10 | β 74LS33 | β 74LS136 | β 74LS257 |
| β 74LS11 | β 74LS37 | β 74LS138 | β 74LS258 |
| β 74LS12 | β 74LS38 | β 74LS153 | β 74LS266 |
| β 74LS13 | β 74LS40 | β 74LS157 | β 74LS386 |
| β 74LS14 | β 74LS51 | β 74LS158 | |
| β 74LS15 | β 74LS54 | β 74LS160 | |

## T. T. L. STANDARD

| | | | |
|---|---|---|---|
| β 5400 (CDB 400EM) | β 5454 (CDB 454EM) | β 7400 (CDB 400E) | β 7454 (CDB 454E) |
| β 5402 (CDB 402EM) | β 5460 (CDB 460EM) | β 7402 (CDB 402E) | β 7460 (CDB 460E) |
| β 5403 (CDB 403EM) | β 5472 (CDB 472EM) | β 7403 (CDB 403E) | β 7472 (CDB 472E) |
| β 5404 (CDB 404EM) | β 5473 (CDB 473EM) | β 7404 (CDB 404E) | β 7473 (CDB 473E) |
| β 5405 (CDB 405EM) | β 5474 (CDB 474EM) | β 7405 (CDB 405E) | β 7474 (CDB 474E) |
| β 5406 (CDB 406EM) | β 5475 (CDB 475EM) | β 7406 (CDB 406E) | β 7475 (CDB 475E) |
| β 5407 (CDB 407EM) | β 5476 (CDB 476EM) | β 7407 (CDB 407E) | β 7476 (CDB 476E) |
| β 5408 (CDB 408EM) | β 5481 (CDB 481EM) | β 7408 (CDB 408E) | β 7481 (CDB 481E) |
| β 5409 (CDB 409EM) | β 5483 (CDB 483EM) | β 7409 (CDB 409E) | β 7483 (CDB 483E) |
| β 5410 (CDB 410EM) | β 5486 (CDB 483EM) | β 7410 (CDB 410E) | β 7486 (CDB 486E) |
| β 5413 (CDB 413EM) | β 5490 (CDB 490EM) | β 7413 (CDB 413E) | β 7490 (CDB 490E) |
| β 5416 (CDB 416EM) | β 5492 (CDB 492EM) | β 7416 (CDB 416E) | β 7492 (CDB 492E) |
| β 5417 (CDB 417EM) | β 5493 (CDB 493EM) | β 7417 (CDB 417E) | β 7493 (CDB 493E) |
| β 5420 (CDB 420EM) | β 5495 (CDB 495EM) | β 7420 (CDB 420E) | β 7495 (CDB 495E) |
| β 5430 (CDB 430EM) | β 54121 (CDB 4121EM) | β 7430 (CDB 430E) | β 74121 (CDB 4121E) |
| β 5432 (CDB 432EM) | β 54123 (CDB 4123EM) | β 7432 (CDB 432E) | β 74123 (CDB 4123E) |
| β 5437 (CDB 437EM) | β 54151 (CDB 4151EM) | β 7437 (CDB 437E) | β 74151 (CDB 4151E) |
| β 5438 (CDB 438EM) | β 54153 (CDB 4153EM) | β 7438 (CDB 438E) | β 74153 (CDB 4153E) |
| β 5440 (CDB 440EM) | β 54157 (CDB 4157EM) | β 7440 (CDB 440E) | β 74157 (CDB 4157E) |
| β 5442 (CDB 442EM) | β 54180 (CDB 4180EM) | β 7442 (CDB 442E) | β 74180 (CDB 4180E) |
| β 5446 (CDB 446EM) | β 54192 (CDB 4192EM) | β 7446 (CDB 446E) | β 74192 (CDB 4192E) |
| β 5447 (CDB 447EM) | β 54193 (CDB 4193EM) | β 7447 (CDB 447E) | β 74193 (CDB 4193E) |
| β 5450 (CDB 450EM) | β 5837 (CDB 837EM) | β 7450 (CDB 450E) | β 7837 (CDB 837E) |
| β 5451 (CDB 451EM) | β 5838 (CDB 838EM) | β 7451 (CDB 451E) | β 7838 (CDB 838E) |
| β 5453 (CDB 453EM) | | β 7453 (CDB 453E) | β 78136 (CDB 8136E) |

## T. T. L. HIGH SPEED

| | | | |
|---|---|---|---|
| β 54H00 (CDB 400HEM) | β 54H40 (CDB 440HEM) | β 74H00 (CDB 400HE) | β 74H40 (CDB 440HE) |
| β 54H10 (CDB 410HEM) | β 54H51 (CDB 451HEM) | β 74H10 (CDB 410HE) | β 74H51 (CDB 451HE) |
| β 54H11 (CDB 411HEM) | β 54H54 (CDB 454HEM) | β 74H11 (CDB 411HE) | β 74H54 (CDB 454HE) |
| β 54H30 (CDB 430HEM) | | β 74H30 (CDB 430HE) | |

| Family | Operating Temperature Range | Power Supply range |
|---|---|---|
| β 74... | 0 °C ... + 70 °C | 4.75 V ... 5.25 V |
| β 54... | -55 °C ... +125 °C | 4.50 V ... 5.50 V |

Basic Characteristics per NAND Gate @ $V_{CC}$ = 5 V , $T_A$ = 25 °C

| Parameter | Value | | | Unit |
|---|---|---|---|---|
| | 74LS... | 54/74... | 54H/74H... | |
| $V_{IH}$ min | 2 | 2 | 2 | V |
| $V_{IL}$ max | 0.7/0.8 | 0.8 | 0.8 | V |
| - $V_{IK}$ max @ 10 mA | 1.5 | 1.8 | 1.8 | V |
| $I_{IH}$ max | 20 | 40 | 50 | uA |
| - $I_{IL}$ max | 0.4 | 1.6 | 2 | mA |
| $V_{OL}$ max | 0.4/0.5 | 0.4 | 0.4 | V |
| $V_{OH}$ min | 2.5/2.7 | 2.4 | 2.4 | V |
| $I_{OL}$ max | 4 / 8 | 16 | 20 | mA |
| - $I_{OH}$ max | 0.4 | 0.8 | 1.0 | mA |
| - $I_{OS}$ | 15 ... 100 | 18 ... 55 | 40 ... 100 | mA |
| $I_{CC}$ typ @ $V_{OL}$ | 0.6 | 3.0 | 6.5 | mA |
| $I_{CC}$ typ @ $V_{OH}$ | 0.2 | 1.0 | 2.5 | mA |
| $P_d$ medium | 2 | 10 | 22 | mW |
| $t_{pLH}$ typ | 9 | 12 | 6 | ns |
| $t_{pHL}$ typ | 10 | 8 | 6.5 | ns |

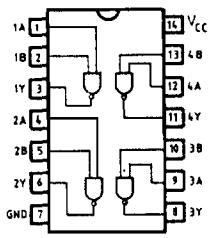
QUAD 2-INPUT NAND GATES

Function : $Y = \overline{A \cdot B}$

β 74LS00

β 7400 (CDB 400E)
β 5400 (CDB 400EM)

β 74H00 (CDB 400HE)
β 54H00 (CDB 400HEM)



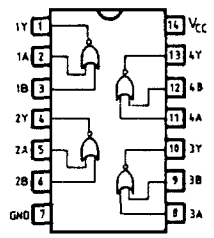

PACKAGE TO-116

QUAD 2-INPUT NOR GATES

Function : $Y = \overline{A + B}$

β 74LS02

β 7402 (CDB 402E)
β 5402 (CDB 402EM)



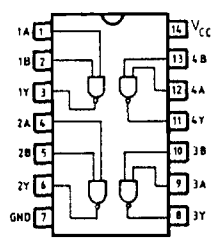

PACKAGE TO-116

QUAD 2-INPUT NAND GATES
WITH OPEN-COLLECTOR

Function : $Y = \overline{A \cdot B}$

β 74LS03

β 7403 (CDB 403E)
β 5403 (CDB 403EM)



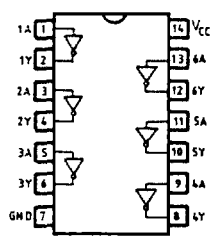

PACKAGE TO-116

HEX INVERTERS

Function : $Y = \overline{A}$

β 74LS04

β 7404 (CDB 404E)
β 5404 (CDB 404EM)



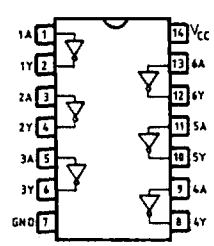

PACKAGE TO-116

HEX INVERTERS WITH
OPEN-COLLECTOR

Function : $Y = \overline{A}$

β 74LS05

β 7405 (CDB 405E)
β 5405 (CDB 405EM)

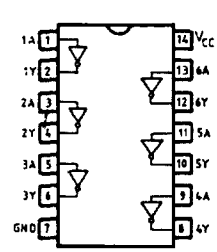



PACKAGE TO-116

HEX INVERTER BUFFERS
WITH 30V OPEN COLLECTOR

Function : $Y = \overline{A}$

β 7406 (CDB 406E)
β 5406 (CDB 406EM)

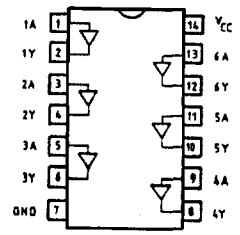



PACKAGE TO-116

HEX BUFFERS WITH
30V OPEN-COLLECTOR

Function : Y = A

β 7407 (CDB 407E)
β 5407 (CDB 407EM)



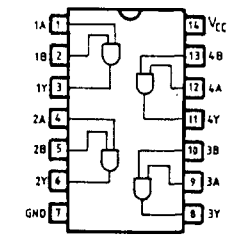

PACKAGE TO-116

QUAD 2-INPUT AND GATES

Function : Y = A . B

β 74LS08

β 7408 (CDB 408E)
β 5408 (CDB 408EM)



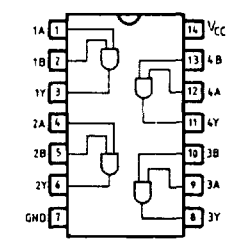

PACKAGE TO-116

QUAD 2-INPUT AND GATES
WITH OPEN-COLLECTOR

Function : Y = A . B

β 74LS09

β 7409 (CDB 409E)
β 5409 (CDB 409EM)




PACKAGE TO-116

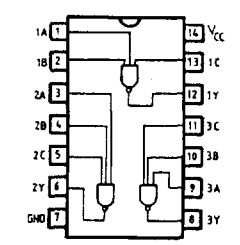
TRIPLE 3-INPUT NAND GATES

Function : $Y = \overline{A \cdot B \cdot C}$

β 74LS10

β 7410 (CDB 410E)
β 5410 (CDB 410EM)

β 74H10 (CDB 410HE)
β 54H10 (CDB 410HEM)



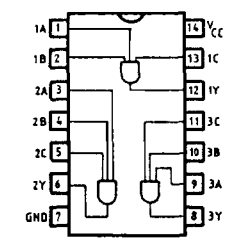

PACKAGE TO-116

TRIPLE 3-INPUT AND GATES

Function : Y = A . B . C

β 74LS11

β 74H11 (CDB 411HE)
β 54H11 (CDB 411HEM)

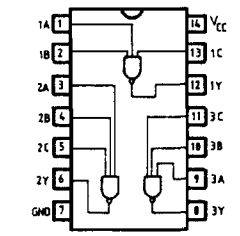



PACKAGE TO-116

TRIPLE 3-INPUT NAND GATES
WITH OPEN-COLLECTOR

Function : $Y = \overline{A \cdot B \cdot C}$

β 74LS12



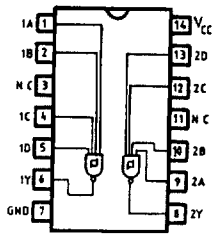

PACKAGE TO-116

DUAL 4-INPUT NAND SCHMITT-TRIGGERS

Function : $Y = \overline{A.B.C.D}$

β 74LS13

β 7413 (CDB 413E)
β 5413 (CDB 413EM)

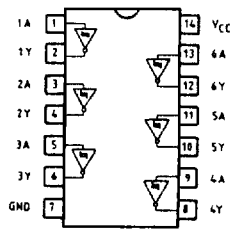



PACKAGE TO-116

HEX SCHMITT-TRIGGER INVERTERS

Function : $Y = \overline{A}$

β 74LS14

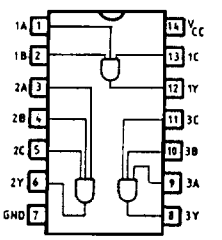



PACKAGE TO-116

TRIPLE 3-INPUT AND GATES WITH OPEN-COLLECTOR

Function : Y = A . B . C

β 74LS15

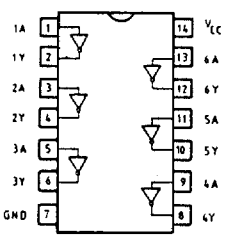



PACKAGE TO-116

HEX INVERTER BUFFERS WITH 15V OPEN-COLLECTOR

Function : Y = A

β 7416 (CDB 416E)
β 5416 (CDB 416EM)

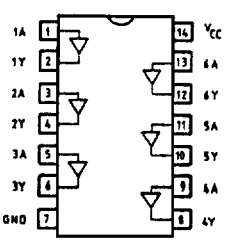



PACKAGE TO-116

HEX BUFFERS WITH 15V OPEN-COLLECTOR

Function : Y = A

β 7417 (CDB 417E)
β 5417 (CDB 417EM)



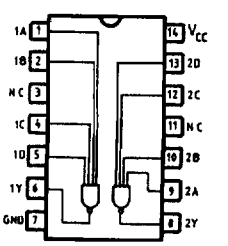

PACKAGE TO-116

DUAL 4-INPUT NAND GATES

Function : $Y = \overline{A.B.C.D}$

β 74LS20

β 7420 (CDB 420E)
β 5420 (CDB 420EM)

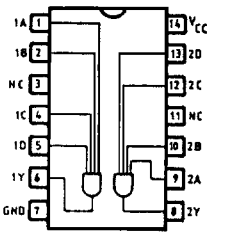



PACKAGE TO-116

DUAL 4-INPUT AND GATES

Function : Y = A.B.C.D

β 74LS21

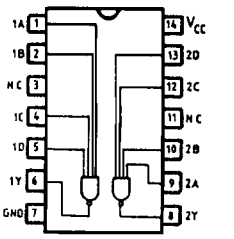



PACKAGE TO-116

DUAL 4-INPUT NAND GATES WITH OPEN-COLLECTOR

Function : $Y = \overline{A.B.C.D}$

β 74LS22

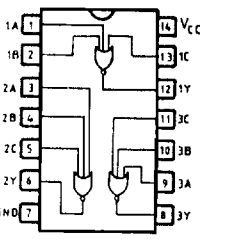



PACKAGE TO-116

TRIPLE 3-INPUT NOR GATES

Function : $Y = \overline{A + B + C}$

β 74LS27

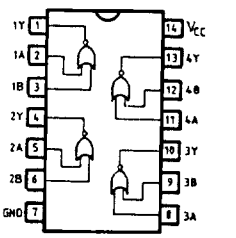



PACKAGE TO-116

QUAD 2-INPUT NOR BUFFERS

Function : $Y = \overline{A + B}$

β 74LS28




PACKAGE TO-116

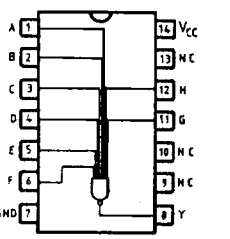
8-INPUT NAND GATES

Function: $Y=\overline{A.B.C.D.E.F.G.H}$

β 74LS30

β 7430 (CDB 430E)
β 5430 (CDB 430EM)

β 74H30 (CDB 430HE)
β 54H30 (CDB 430HEM)



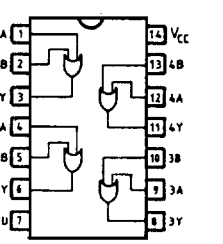

PACKAGE TO-116

QUAD 2-INPUT OR GATES

Function : Y = A + B

β 74LS32

β 7432 (CDB 432E)
β 5432 (CDB 432EM)

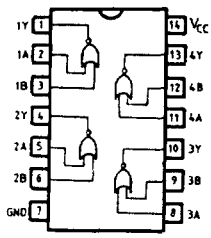



PACKAGE TO-116

QUAD 2-INPUT NOR BUFFERS
WITH OPEN-COLLECTOR

Function : $Y = \overline{A + B}$

β 74LS33



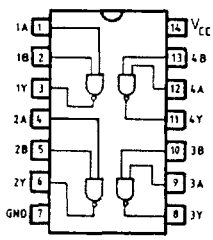

PACKAGE TO-116

QUAD 2-INPUT NAND BUFFERS

Function : $Y = \overline{A \cdot B}$

β 74LS37

β 7437 (CDB 437E)
β 5437 (CDB 437EM)



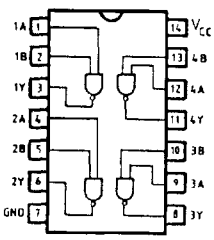

PACKAGE TO-116

QUAD 2-INPUT NAND BUFFERS
WITH OPEN-COLLECTOR

Function : $Y = \overline{A \cdot B}$

β 74LS38

β 7438 (CDB 438E)
β 5438 (CDB 438EM)




PACKAGE TO-116

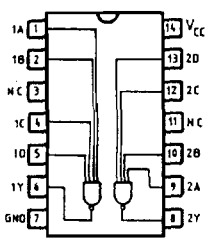
QUAD 2-INPUT NAND BUFFERS

Function : $Y = \overline{A \cdot B}$

β 74LS40

β 7440 (CDB 440E)
β 5440 (CDB 440EM)

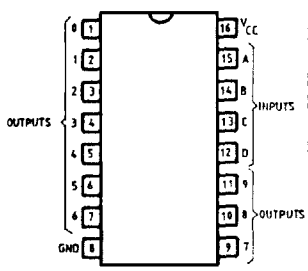
β 74H40 (CDB 440HE)
β 54H40 (CDB 440HEM)




PACKAGE TO-116

4-TO-10 LINE DECODER
( BCD-TO-DECIMAL )

β 7442 (CDB 442E)
β 5442 (CDB 442EM)



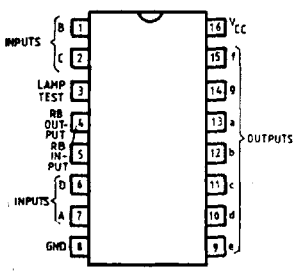

PACKAGE MP-117

BCD-TO-7-SEGMENT DECODERS
= WITH 30V OPEN-COLLECTOR

β 7446 (CDB 446E)
β 5446 (CDB 446EM)

= WITH 15V OPEN-COLLECTOR

β 7447 (CDB 447E)
β 5447 (CDB 447EM)



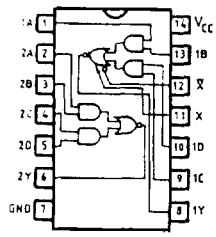

PACKAGE MP-117

DUAL 2-WIDE 2-INPUT AND-OR-
INVERT GATES, ONE EXPANDABLE

Function : $Y = \overline{A.B + C.D + X}$

β 7450 (CDB 450E)
β 5450 (CDB 450EM)

X inputs are compatible with
the outputs of β 7460/β 5460.




PACKAGE TO-116

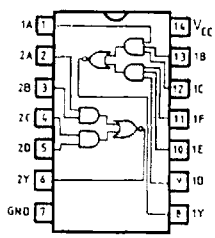
DUAL 2-WIDE, 3-INPUT AND
2-INPUT AND-OR-INVERT GATES

Functions :

$1Y = \overline{1A.1B.1C + 1D.1E.1F}$

$2Y = \overline{2A.2B + 2C.2D}$

β 74LS51



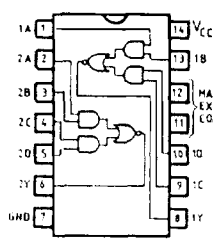

PACKAGE TO-116

DUAL 2-WIDE 2-INPUT
AND-OR-INVERT GATES

Function : $Y = \overline{A.B + C.D}$

β 7451 (CDB 451E)
β 5451 (CDB 451EM)

β 74H51 (CDB 451HE)
β 54H51 (CDB 451HEM)




PACKAGE TO-116

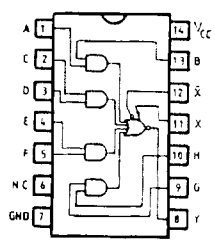
EXPANDABLE 4-WIDE
AND-OR-INVERT GATES

Function :

$Y = \overline{A.B + C.D + E.F + G.H + X}$

β 7453 (CDB 453E)
β 5453 (CDB 453EM)

X inputs are compatible with
the outputs of β 7460/β 5460.



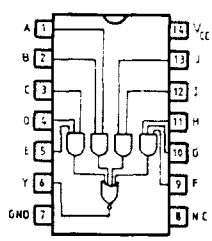

PACKAGE TO-116

4-WIDE 2- & 3-INPUT
AND-OR-INVERT GATE

Function :

$Y = \overline{A.B + C.D.E + F.G.H + I.J}$

β 74LS54



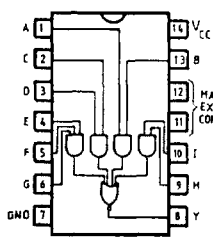

PACKAGE TO-116

4-WIDE 2-INPUT
AND-OR-INVERT GATES

Function :

$Y = \overline{A.B + C.D + E.F + G.H}$

β 7454 (CDB 454E)
β 5454 (CDB 454EM)



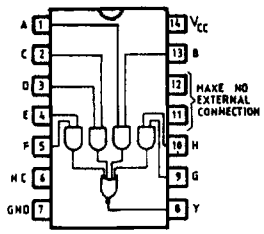

PACKAGE TO-116

4-WIDE 2- AND 3-INPUT
AND-OR-INVERT GATES

Function :

$$Y = \overline{A.B + C.D + E.F.G + H.I}$$

β 74H54 (CDB 454HE)
β 54H54 (CDB 454HEM)



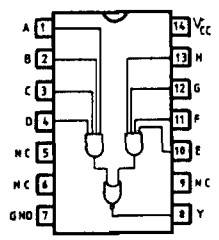

PACKAGE TO-116

2-WIDE 4-INPUT
AND-OR-INVERT GATES

Function :

$$Y = \overline{A.B.C.D + E.F.G.H}$$

β 74LS55



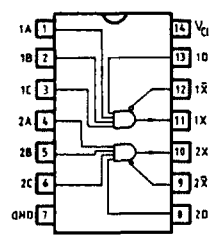

PACKAGE TO-116

DUAL 4-INPUT EXPANDERS

Function : X = A.B.C.D

β 7460 (CDB 460E)
β 5460 (CDB 460EM)

X outputs are compatible with the inputs of β 7450, β 7453.

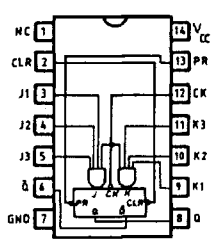



PACKAGE TO-116

AND-GATED J-K MASTER-SLAVE
FLIP-FLOPS, PRESET & CLEAR

β 7472 (CDB 472E)
β 5472 (CDB 472EM)

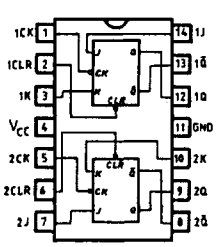
J=J1.J2.J3 ; K=K1.K2.K3




PACKAGE TO-116

DUAL J-K FLIP-FLOPS
WITH CLEAR

β 7473 (CDB 473E)
β 5473 (CDB 473EM)



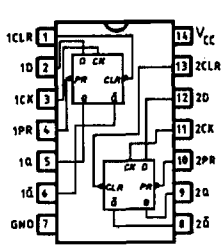

PACKAGE TO-116

DUAL D-TYPE FLIP-FLOPS
WITH PRESET AND CLEAR

β 74LS74

β 7474 (CDB 474E)
β 5474 (CDB 474EM)

Preset and Clear are active low.



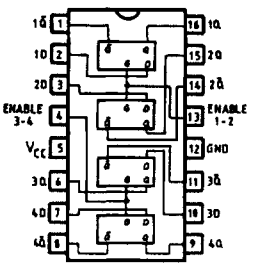

PACKAGE TO-116

4-BIT BISTABLE LATCHES

Function table/latch

| Inputs | | Outputs | |
|---|---|---|---|
| D | G | Q | Q |
| 0 | 1 | 0 | 1 |
| 1 | 1 | 1 | 0 |
| x | 0 | Q | Q |

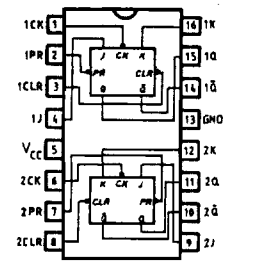
β 7475 (CDB 475E)
β 5475 (CDB 475EM)




PACKAGE MP-117

DUAL J-K FLIP-FLOPS
WITH PRESET AND CLEAR

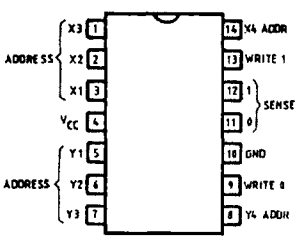
β 7476 (CDB 476E)
β 5476 (CDB 476EM)




PACKAGE MP-117

16-BIT RANDOM-ACCESS
MEMORIES

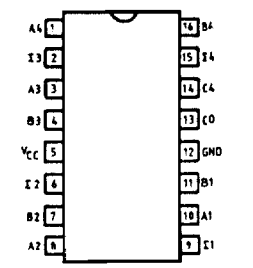
β 7481 (CDB 481E)
β 5481 (CDB 481EM)




PACKAGE TO-116

4-BIT BINARY FULL ADDERS
WITH FAST CARRY

β 7483 (CDB 483E)
β 5483 (CDB 483EM)



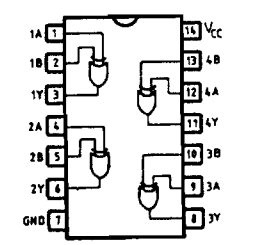

PACKAGE MP-117

QUAD 2-INPUT
EXCLUSIVE-OR GATES

Function : $Y = A \oplus B$

β 74LS86

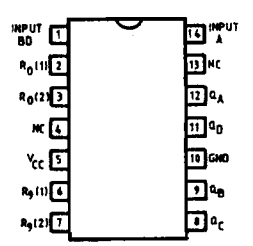
β 7486 (CDB 486E)
β 5486 (CDB 486EM)




PACKAGE TO-116

DECADE COUNTERS
( DIVIDE-BY-2 AND BY-5 )

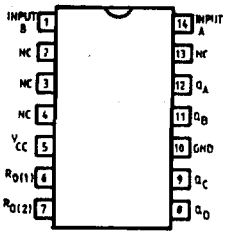
β 7490 (CDB 490E)
β 5490 (CDB 490EM)




PACKAGE TO-116

DIVIDE-BY-12 COUNTERS
( DIVIDE-BY-2 AND BY-6 )

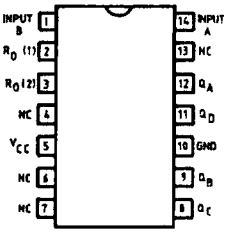
β 7492 (CDB 492E)
β 5492 (CDB 492EM)




PACKAGE TO-116

4-BIT BINARY COUNTERS
(DIVIDE-BY-2 AND BY-8)

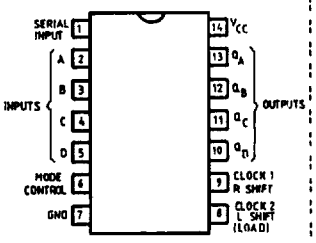
β 7493 (CDB 493E)
β 5493 (CDB 493EM)




PACKAGE TO-116

4-BIT SHIFT REGISTERS
(PARALLEL IN/OUT, OR
SHIFT L/R SERIAL IN)

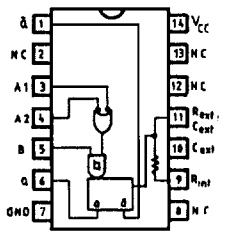
β 7495 (CDB 495E)
β 5495 (CDB 495EM)




PACKAGE TO-116

MONOSTABILE ICs

β 74121 (CDB 4121E)
β 54121 (CDB 4121EM)

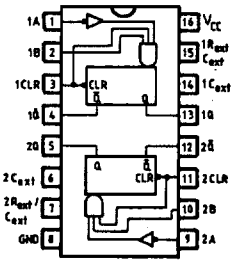



PACKAGE TO-116

DUAL RETRIGGERABLE
MONOSTABILES WITH CLEAR

β 74LS123

β 74123 (CDB 4123E)
β 54123 (CDB 4123EM)



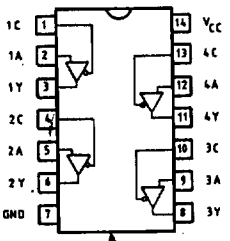

PACKAGE MP-117

QUAD 3-STATE BUFFERS
( INVERTED HI-Z CONTROL )

Function : Y = A

β 74LS125

Output is disabled
when C is HIGH



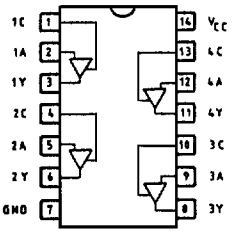

PACKAGE TO-116

QUAD 3-STATE BUFFERS
( DIRECT HI-Z CONTROL )

Function : Y = A

β 74LS126

Output is disabled
when C is LOW.

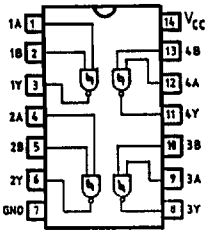



PACKAGE TO-116

QUAD 2-INPUT NAND
SCHMITT-TRIGGERS

Function : $Y = \overline{A \cdot B}$

β 74LS132

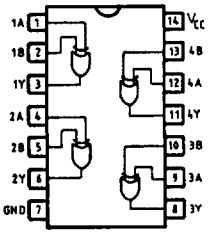



PACKAGE TO-116

QUAD 2-INPUT EX-OR GATES
WITH OPEN COLLECTOR

Function : $Y = A \oplus B$

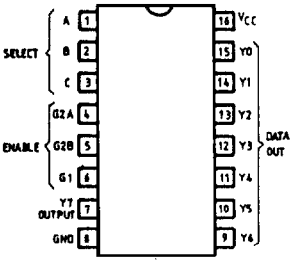
β 74LS136




PACKAGE TO-116

3-TO-8 LINE DECODERS /
MULTIPLEXERS

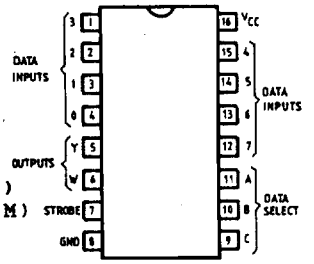
β 74LS138




PACKAGE MP-117

1-OF-8 DATA SELECTORS /
MULTIPLEXERS

β 74151 (CDB 4151E)
β 54151 (CDB 4151EM)

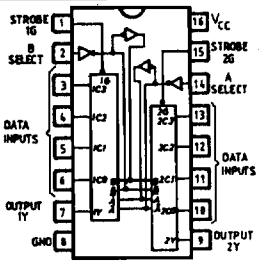



PACKAGE MP-117

DUAL 4-TO-1 LINE DATA
SELECTORS / MULTIPLEXERS

β 74LS153

β 74153 (CDB 4153E)
β 54153 (CDB 4153EM)

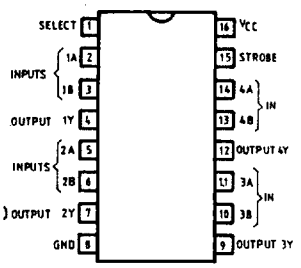



PACKAGE MP-117

QUAD 2-TO-1 DATA MULTIPLEXERS WITH DIRECT DATA OUTPUTS

β 74LS157

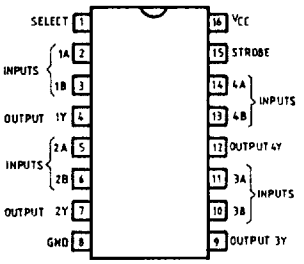
β 74157 (CDB 4157E)
β 54157 (CDB 4157EM)




PACKAGE MP-117

QUAD 2-TO-1 LINE DATA MULTIPLEXERS WITH INVERTED DATA OUTPUTS

β 74LS158



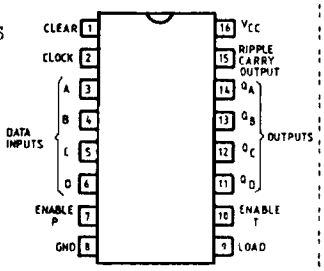

PACKAGE MP-117

SYNCHRONOUS 4-BIT COUNTERS
= WITH DIRECT CLEAR

β 74LS160 (DECADE)
β 74LS161 (BINARY)

= WITH SYNCHRONOUS CLEAR

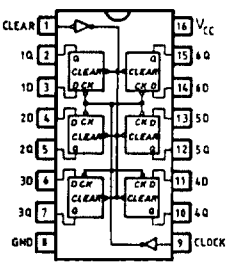
β 74LS162 (DECADE)
β 54LS163 (BINARY)




PACKAGE MP-117

HEX D-TYPE FLIP-FLOPS
( SINGLE RAIL OUTPUTS
AND DIRECT CLEAR )

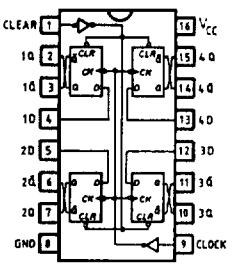
β 74LS174




PACKAGE MP-117

QUAD D-TYPE FLIP-FLOPS
( COMPLEMENTARY OUTPUTS
AND DIRECT CLEAR )

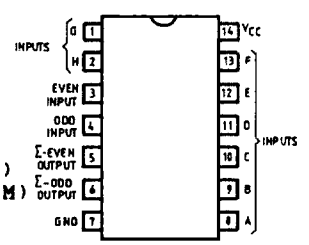
β 74LS175




PACKAGE MP-117

8-BIT ODD/EVEN PARITY GENERATORS / CHECKERS

β 74180 (CDB 4180E)
β 54180 (CDB 4180EM)



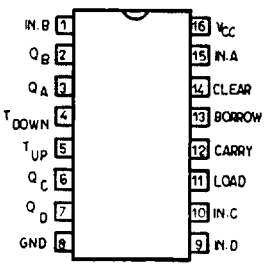

PACKAGE TO-116

SYNCHRONOUS UP/DOWN DUAL CLOCK COUNTERS WITH CLEAR
= DECADE COUNTERS

β 74192 (CDB 4192E)
β 54192 (CDB 4192EM)

= BINARY COUNTERS

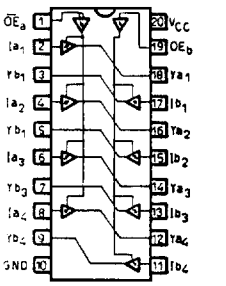
β 74193 (CDB 4193E)
β 54193 (CDB 4193EM)




PACKAGE MP-117

OCTAL NON-INVERTING BUS DRIVER

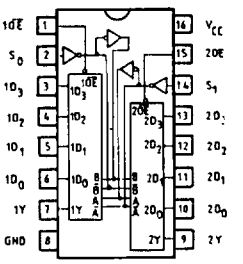
β 74LS241




PACKAGE DIL-20

DUAL 4-TO-1 LINE DATA MULTIPLEXERS WITH DIRECT 3-STATE OUTPUTS

β 74LS253



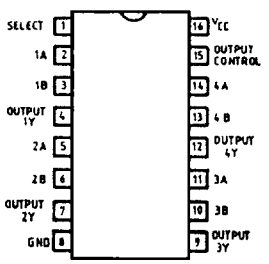

PACKAGE MP-117

QUAD 2-TO-1 DATA MULTIPLEXERS, 3-STATE
= DIRECT OUTPUTS

β 74LS257

= INVERTED OUTPUTS

β 74LS258.

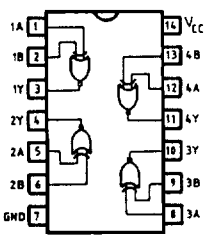



PACKAGE MP-117

QUAD 2-INPUT EX-NOR GATES WITH OPEN-COLLECTOR

Function : $Y = \overline{A \oplus B}$

β 74LS266

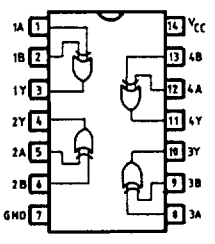



PACKAGE TO-116

QUAD 2-INPUT EXCLUSIVE-OR GATES

Function : $Y = A \oplus B$

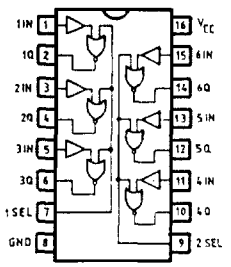
β 74LS386




PACKAGE TO-116

HEX UNIFIED
BUS RECEIVERS

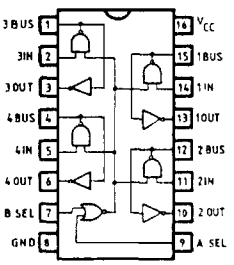
β 7837 (CDB 837E)
β 5837 (CDB 837EM)




PACKAGE MP-117

QUAD UNIFIED
BUS TRANSCEIVERS

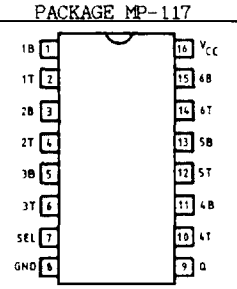
β 7838 (CDB 838E)
β 5838 (CDB 838EM)




PACKAGE MP-117

6-BIT LATCHED COMPARATOR
WITH OPEN COLLECTOR

β 78136 (CDB 8136E)




PACKAGE MP-117