Errata Baseline

Logic AC, ACT, and CBT Products

The following AC, ACT, and CBT devices are available from Texas Instruments.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DATA SHEET/DATA BOOK</th>
<th>ERRATA STATUS</th>
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<tbody>
<tr>
<td>54AC00</td>
<td>DATA SHEET, NOV 1994</td>
<td>NO ERRATA</td>
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<tr>
<td>54AC04</td>
<td>DATA SHEET, SCAS519 - JULY 1995</td>
<td>NO ERRATA</td>
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<tr>
<td>54AC08</td>
<td>DATA SHEET, NOV 1994</td>
<td>NO ERRATA</td>
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<td>54AC240</td>
<td>DATA SHEET NOVEMBER 1994</td>
<td>ERRATA DATE: 07-17-95</td>
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<td></td>
<td>FORM#: 1482</td>
<td></td>
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<tr>
<td>54ACT240</td>
<td>SNJ54ACT240 DATA SHEET</td>
<td>ERRATA DATE: 07-26-95</td>
</tr>
<tr>
<td></td>
<td>OCTOBER 1994</td>
<td>FORM#: 1484</td>
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**54AC240**  
**DATA SHEET NOVEMBER 1994**  
**ERRATA DATE: 07-17-95**  
**FORM#: 1482**

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**CORRECTION (LIST PARAMETERS) = PAGE: 3 - 5**  
**REQUESTER: RAKESH JOSHI (915) 561-6953**  
**VCC SUPPLY VOLTAGE (MIN) = 2V TO 3.0V**  
**VCC SUPPLY VOLTAGE (MAX) = 6V TO 5.5V**  
**DEL T/DEL V INPUT TRANSITION RISE OR FALL RATE = 10NS/V TO 8NS/V**  
**TPHZ OE TO Y TA = 25C = 9NS TO 8.5NS**

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**54ACT240**  
**SNJ54ACT240 DATA SHEET**  
**OCTOBER 1994**  
**ERRATA DATE: 07-26-95**  
**FORM#: 1484**

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**CORRECTION (LIST PARAMETERS) = PAGE: 4**  
**REQUESTER: RAKESH JOSHI (915) 561-6953**
TPLH (MAX)  A to Y  TA = -55/125°C  9.5NS  8.5NS
TPHL (MAX)  A to Y  TA = -55/125°C  9.0NS  8.5NS
TPZH (MAX)  OE to Y  TA = -55/125°C  10.0NS  9.5NS
TPZL (MAX)  OE to Y  TA = -55/125°C  11.5NS  9.5NS
TPHZ (MAX)  OE to Y  TA = -55/125°C  11.0NS  9.5NS
TPLZ (MAX)  OE to Y  TA = 25°C  10.0NS  9.5NS

54ACT241          DATA SHEET: SN54ACT241, SN74ACT241          NO ERRATA
SCAS516 - JUNE 95 - REV SEP 95
CONTACT ENGINEER: RAKESH JOSHI (915) 561-6953

54AC245           DATA SHEET: SN54AC245, SN74AC245                NO ERRATA
SCAS461D - FEB. 1995 - REV DEC. 1996
CONTACT ENGINEER: RAKESH JOSHI (915) 561-6953

54ACT245          54ACT245 MARKED-UP                         ERRATA DATE: 11-28-94
DATA SHEET SEPTEMBER 1994                          FORM#: 1400
ERRATA DATE: 11-28-94/FORM#: 1400              REQUESTER: CLAYTON GIBBS (915) 561-7172
CORRECTION (LIST PARAMETERS) = PAGE: 2-4         FROM:   TO:
TPLH FROM A OR B TO B OR A; TA = 25°C (MINIMUM)  1.5NS   1.0NS
TPHL FROM A OR B TO B OR A; TA = 25°C (MINIMUM)  1.5NS   1.0NS
TPZH FROM OE \ TO B OR A; TA = 25°C (MINIMUM)  1.5NS   1.0NS
TPZL FROM OE \ TO B OR A; TA = 25°C (MINIMUM)  1.5NS   1.0NS
TPHZ FROM OE \ TO B OR A; TA = 25°C (MINIMUM)  1.5NS   1.0NS
TPLZ FROM OE \ TO B OR A; TA = 25°C (MINIMUM)  2.0NS   1.0NS

54ACT373          SN54ACT373, SN74ACT373                         NO ERRATA
DATA SHEET, OCTOBER 1994
54AC374 SN54AC374, SN74AC374
DATA SHEET, OCTOBER 1994

54ACT573 SN54ACT573, SN74ACT573
DATA SHEET, OCTOBER 1994

54ACT3632 SN54ACT3632 (512X36X2)
(SN54ACT3632HFP) SGBS310 - SEP 96
CONTACT ENGR: CLAYTON GIBBS (915)561-7172

54ACT3641 DATA SHEET SGBS309
(5962-9560801NXD) JANUARY 1996
PUBLISHED IN 1996 FIFO DATA BOOK (SCAD003C)

54ACT3641 DATA SHEET: MARKED UP
(SNJ54ACT3641HFP) SN54ACT3641 (1024X36)
(5962-9560801QYA) CLOCKED FIRST-IN, FIRST-OUT MEMORY
SGBS309 - AUG 1995
CONTACT ENGR: CLAYTON GIBBS (915)561-7172

54ACT7881 MARKED-UP DATA SHEET
SCAS227B - FEB 1993
REVISED OCT 1994
CONTACT ENGR: (915)561-7172

54ACT8990 54ACT8990 DATA SHEET
SCAS190B, AUG 1994

54ACT8997 54ACT8997 DATA SHEET
SCAS157A, AUGUST 1992
ERRATA DATE: 5-28-92

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RECOMMENDED OPERATING CONDITIONS, PAGE: 19

CORRECTION:

<table>
<thead>
<tr>
<th>Input (IOH)</th>
<th>FROM:</th>
<th>TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDO, DTDO1-4, MCO</td>
<td>-8.5 MA MAX</td>
<td>-7 MA MAX</td>
</tr>
<tr>
<td>DTMS1-4, DCO (3-STATE), DTCK</td>
<td>-13.6 MA MAX</td>
<td>-11 MA MAX</td>
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</table>

<table>
<thead>
<tr>
<th>Output (IOL)</th>
<th>FROM:</th>
<th>TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDO, DTDO1-4, MCO</td>
<td>8.5 MA MAX</td>
<td>7 MA MAX</td>
</tr>
<tr>
<td>DCO (OPEN-DRAIN OR 3-STATE)</td>
<td>13.6 MA MAX</td>
<td>11 MA MAX</td>
</tr>
<tr>
<td>DTMS1-4</td>
<td>20.4 MA MAX</td>
<td>16 MA MAX</td>
</tr>
<tr>
<td>DTCK</td>
<td>40.8 MA MAX</td>
<td>32 MA MAX</td>
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</table>

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Voltage (VOH)</th>
<th>FROM:</th>
<th>TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDO, DTDO1-4, MCO</td>
<td>3.7 V MIN</td>
<td>3.6 V MIN</td>
</tr>
<tr>
<td>DTMS1-4, DCO (3-STATE) DTCK</td>
<td>3.7 V MIN</td>
<td>3.6 V MIN</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Current (IOL)</th>
<th>FROM:</th>
<th>TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDO, DTDO1-4, MCO</td>
<td>8.5 MA MAX</td>
<td>7 MA MAX</td>
</tr>
<tr>
<td>DCO (OPEN-DRAIN OR 3-STATE)</td>
<td>13.6 MA MAX</td>
<td>11 MA MAX</td>
</tr>
<tr>
<td>DTMS1-4</td>
<td>20.4 MA MAX</td>
<td>16 MA MAX</td>
</tr>
<tr>
<td>DTCK</td>
<td>40.8 MA MAX</td>
<td>32 MA MAX</td>
</tr>
</tbody>
</table>

SWITCHING CHARACTERISTICS, PAGE: 3-19

<table>
<thead>
<tr>
<th>Switching (TPHZ)</th>
<th>FROM:</th>
<th>TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(G/ TO Y), TA = 25C</td>
<td>10.3 NS MAX</td>
<td>11.5 NS MAX</td>
</tr>
</tbody>
</table>
TPLH (A TO Y)  
4 NS MIN 3 NS MIN

TPZH (G/ TO Y)  
9.5 NS MAX 10.5 NS MAX

TPHZ (G/ TO Y)  
12 NS MAX 13 NS MAX

TEST CONDITIONS:

IOZ
VI = VCC OR GND
VO = VCC OR GND

54ACT16245  54ACT16245 DATA SHEET
SCAS097A, JUNE 1991

54ACT16373  ADV LOGIC & BUS INTERFACE DB,
ERRATA DATE: 3–02–93
1991, PAGE: 3–33

SWITCHING CHARACTERISTICS, PAGE: 3–36

CORRECTION:

TPLH (C TO QC, MIL TEMP)  
3.7 NS MAX 13.7 NS MAX

54ACT16374  54ACT16374 DATA SHEET
SCAS124A, JUNE 1991

54CBT3383  SN54CBT3383 DATA SHEET
SCDS003C – REVISED 5/1995
* ERRATA DATE: 09–01–94
FORM#: 1382
* ERRATA DATE: 07–05–95
FORM#: 1480

RECOMMENDED OPERATING CONDITIONS – PAGE: 11–2

CORRECTION (LIST PARAMETERS):

VCC SUPPLY VOLTAGE (MIN)  
4.75V MIN 4.5V MIN

VCC SUPPLY VOLTAGE (MAX)  
5.25V MAX 5.5V MAX

TA OPERATING FREE-AIR TEMP (MIN)  
0C MIN -55C MIN

TA OPERATING FREE-AIR TEMP (MAX)  
70C MAX 125C MAX

ELECTRICAL CHARACTERISTICS – PAGE: 11–2

VCC = 4.75V (ALL OCCURRENCES)  
4.75V 4.5V

VCC = 5.25V (ALL OCCURRENCES)  
5.25V 5.5V

VI(B) = 4.75V  
4.75V 4.5V

RON VCC=4.5V, VI=2.4V, II=64MA (MAX)  
7 OHMS MAX 9.2 OHMS MAX
**ADD NOTE:**
FOR RON  VCC=4.75, VI=0, II=30MA:
FOR DEVICES COMPLIANT TO MIL-STD 883 THIS PARAMETER IS NOT PRODUCTION TESTED USING THESE FORCING CONDITIONS.

### SWITCHING CHARACTERISTICS - PAGE: 11-3

**CORRECTION (LIST PARAMETERS):**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBX (MAX)</td>
<td>9.2NS (MAX)</td>
<td>10.2NS (MAX)</td>
</tr>
<tr>
<td>TEN (MAX)</td>
<td>8.6NS (MAX)</td>
<td>10.8NS (MAX)</td>
</tr>
<tr>
<td>TDIS (MAX)</td>
<td>7.5NS (MAX)</td>
<td>8.2NS (MAX)</td>
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</tbody>
</table>

* ERRATA DATE: 07-05-95/FORM#: 1480  REQUESTER: CLAYTON GIBBS (915) 561-7172

SN54CBT3383 DATA SHEET, SCDS003C - REV 5/1995

**CORRECTION (LIST PARAMETERS): PAGE: 4-5**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>II VI</td>
<td>5.25V OR GND</td>
<td>5.25V VCC (MAX)</td>
</tr>
<tr>
<td>IOS VI(B)</td>
<td>4.75V OR GND</td>
<td>4.75V VCC (MIN)</td>
</tr>
<tr>
<td>VCC</td>
<td>4.75V (ALL OCCURRENCES)</td>
<td>4.75V VCC (MIN)</td>
</tr>
<tr>
<td>VCC</td>
<td>5.25V (ALL OCCURRENCES)</td>
<td>5.25V VCC (MAX)</td>
</tr>
<tr>
<td>CI CONTROL PINS VI = 2.5V</td>
<td>5PF (TYP)</td>
<td>5PF (MAX)</td>
</tr>
<tr>
<td>CIO(OFF)</td>
<td>VO = 2.5V; BE\ = VCC</td>
<td>6PF (TYP)</td>
</tr>
<tr>
<td>TPD (MAX)</td>
<td>0.5NS</td>
<td>1.5NS</td>
</tr>
</tbody>
</table>

54CBT16209 DATA SHEET SCDS006D

NO ERRATA

NOV 1992–REVISED MAY 1995
PUBLISHED IN 1995 CBT DATA BOOK (SCDD001)