

## Errata Baseline

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### Logic TTL Products

The following TTL devices are available from Texas Instruments.

<a href="#">5400</a>	<a href="#">5401</a>	<a href="#">5402</a>	<a href="#">5403</a>	<a href="#">5404</a>	<a href="#">5405</a>	<a href="#">5406</a>
<a href="#">5407</a>	<a href="#">5408</a>	<a href="#">5409</a>	<a href="#">5410</a>	<a href="#">5412</a>	<a href="#">5413</a>	<a href="#">5414</a>
<a href="#">5416</a>	<a href="#">5417</a>	<a href="#">5420</a>	<a href="#">5422</a>	<a href="#">5423</a>	<a href="#">5425</a>	<a href="#">5426</a>
<a href="#">5427</a>	<a href="#">5428</a>	<a href="#">5430</a>	<a href="#">5432</a>	<a href="#">5433</a>	<a href="#">5437</a>	<a href="#">5438</a>
<a href="#">5440</a>	<a href="#">5442A</a>	<a href="#">5445</a>	<a href="#">5446A</a>	<a href="#">5447A</a>	<a href="#">5448</a>	<a href="#">5450</a>
<a href="#">5451</a>	<a href="#">5453</a>	<a href="#">5454</a>	<a href="#">5470</a>	<a href="#">5472</a>	<a href="#">5473</a>	<a href="#">5474</a>
<a href="#">5475</a>	<a href="#">5476</a>	<a href="#">5483A</a>	<a href="#">5485</a>	<a href="#">5486</a>	<a href="#">5490A</a>	<a href="#">5492A</a>
<a href="#">5493A</a>	<a href="#">5495A</a>	<a href="#">5496</a>	<a href="#">5497</a>	<a href="#">54107</a>	<a href="#">54109</a>	<a href="#">54111</a>
<a href="#">54116</a>	<a href="#">54120</a>	<a href="#">54121</a>	<a href="#">54122</a>	<a href="#">54123</a>	<a href="#">54125</a>	<a href="#">54126</a>
<a href="#">54128</a>	<a href="#">54132</a>	<a href="#">54136</a>	<a href="#">54145</a>	<a href="#">54148</a>	<a href="#">54150</a>	<a href="#">54151A</a>
<a href="#">54153</a>	<a href="#">54154</a>	<a href="#">54155</a>	<a href="#">54156</a>	<a href="#">54157</a>	<a href="#">54159</a>	<a href="#">54160</a>
<a href="#">54161</a>	<a href="#">54162</a>	<a href="#">54163</a>	<a href="#">54164</a>	<a href="#">54165</a>	<a href="#">54166</a>	<a href="#">54167</a>
<a href="#">54170</a>	<a href="#">54173</a>	<a href="#">54174</a>	<a href="#">54175</a>	<a href="#">54176</a>	<a href="#">54177</a>	<a href="#">54180</a>
<a href="#">54190</a>	<a href="#">54191</a>	<a href="#">54192</a>	<a href="#">54193</a>	<a href="#">54195</a>	<a href="#">54196</a>	<a href="#">54197</a>
<a href="#">54198</a>	<a href="#">54199</a>	<a href="#">54221</a>	<a href="#">54251</a>	<a href="#">54259</a>	<a href="#">54265</a>	<a href="#">54278</a>
<a href="#">54279</a>	<a href="#">54283</a>	<a href="#">54290</a>	<a href="#">54293</a>	<a href="#">54298</a>	<a href="#">54365A</a>	<a href="#">54366A</a>
<a href="#">54367A</a>	<a href="#">54368A</a>	<a href="#">54376</a>	<a href="#">54390</a>	<a href="#">54393</a>	<a href="#">JBP18S030</a>	<a href="#">JBP28L22</a>
<a href="#">JBP28L42</a>	<a href="#">JBP28S42</a>					

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PART NUMBER	DATA SHEET/DATA BOOK	ERRATA STATUS
5400	THE TTL LOGIC DATA BOOK 1988, PAGE 2-3	NO ERRATA
5401	THE TTL LOGIC DATA BOOK 1988, PAGE 2-9	NO ERRATA
5402	THE TTL LOGIC DATA BOOK 1988, PAGE 2-13	NO ERRATA
5403	THE TTL LOGIC DATA BOOK 1988, PAGE 2-19	NO ERRATA
5404	THE TTL LOGIC DATA BOOK 1988, PAGE 2-25	NO ERRATA

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5405 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-31

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5406 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-37

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5407 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-39

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CUMULATIVE ERRATA:

ELECTRICAL CHARACTERISTICS PAGE: 2-40

CORRECTION:

IOH TEST CONDITIONS

VOL TEST CONDITIONS

FROM:

VIL=0.8V

VIH = 2 V

TO:

VI=VIH OR 2 V

VIL = 0.8 V

SWITCHING CHARACTERISTICS PAGE: 2-40

CORRECTION:

DELETE TPLH AND TPHL TESTS AT RL = 110 OHMS, CL - 15 PF

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5408 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-41

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5409 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-47

---

5410 THE TTL LOGIC DATA BOOK ERRATA DATE: 05-13-91  
1988, PAGE 2-53

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LOGIC DIAGRAM, PAGE: 2-53

CORRECTION:

LOGIC DIAGRAM

FROM:

FOUR NAND GATES

TO:

THREE NAND GATES

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5412 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-63

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5413 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-67

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ELECTRICAL CHARACTERISTICS PAGE: 2-69

THE FOLLOWING PARAMETER IS NOT PRODUCTION TESTED: HYSTERESIS (VT+ - VT-)

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5414 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-77

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ELECTRICAL CHARACTERISTICS PAGE: 2-79

THE FOLLOWING PARAMETER IS NOT PRODUCTION TESTED: HYSTERESIS (VT+ - VT-)

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5416 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-37

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5417 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-39

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CUMULATIVE ERRATA:

ELECTRICAL CHARACTERISTICS PAGE: 2-40

CORRECTION:

VOL TEST CONDITIONS

IOH TEST CONDITIONS

FROM:

VIH = 2 V

VIL = 0.8 V

TO:

VIL = 0.8 V

VIH = 2 V

SWITCHING CHARACTERISTICS PAGE: 2-40

CORRECTION:

DELETE TPLH AND TPHL TESTS AT RL = 110 OHMS, CL - 15 PF

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5420 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-95

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5422 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-105

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5423 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-111

---

5425 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-111

---

5426 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-115

---

5427 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-119

---

5428 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-123

---

5430 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-127

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5432 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-137

---

5433 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-143

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CUMULATIVE ERRATA:

ELECTRICAL CHARACTERISTICS PAGE: 2-145

CORRECTION:

VOL TEST CONDITIONS

FROM:

IOL = 16 MA

VIL = NOT SPECIFIED

TO:

IOL = 48 MA

VIL = 0.8 V

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5437 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-147

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5438 THE TTL LOGIC DATA BOOK, ERRATA DATE: 9-15-88  
1988, PAGE 2-153

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CUMULATIVE ERRATA:

ELECTRICAL CHARACTERISTICS PAGE: 2-155

CORRECTION:

VOL TEST CONDITION

FROM:

IOL = 16 MA

TO:

IOL = 48 MA

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5440 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-161

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5442A THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-167

---

5445 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-173

---

5446A THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-175

---

5447A THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-175

---

5448 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-175

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SWITCHING CHARACTERISTICS PAGE: 2-184

CORRECTION:

TPHL CHANGE DESCRIPTION TO READ AS FOLLOWS:  
HIGH-TO-LOW OUTPUT (A-F ONLY) FROM RBI/ INPUT

TPLH CHANGE DESCRIPTION TO READ AS FOLLOWS:  
LOW-TO-HIGH OUTPUT (A-F ONLY) FROM RBI/ INPUT

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5450 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-189

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5451 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-193

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5453 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-199

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5454 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-201

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5470	THE TTL LOGIC DATA BOOK 1988, PAGE 2-221	NO ERRATA
5472	THE TTL LOGIC DATA BOOK 1988, PAGE 2-225	NO ERRATA
5473	THE TTL LOGIC DATA BOOK 1988, PAGE 2-229	NO ERRATA
5474	THE TTL LOGIC DATA BOOK 1988, PAGE 2-235	NO ERRATA
5475	THE TTL LOGIC DATA BOOK 1988, PAGE 2-241	NO ERRATA
5476	THE TTL LOGIC DATA BOOK 1988, PAGE 2-247	NO ERRATA
5483A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-257	NO ERRATA
5485	THE TTL LOGIC DATA BOOK 1988, PAGE 2-263	NO ERRATA
5486	THE TTL LOGIC DATA BOOK 1988, PAGE 2-271	NO ERRATA
5490A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-277	NO ERRATA
5492A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-277	NO ERRATA

5493A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-277	NO ERRATA
5495A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-297	NO ERRATA
5496	THE TTL LOGIC DATA BOOK 1988, PAGE 2-305	NO ERRATA
5497	THE TTL LOGIC DATA BOOK 1988, PAGE 2-311	NO ERRATA
54107	THE TTL LOGIC DATA BOOK 1988, PAGE 2-319	ERRATA DATE: 4-27-89
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	RECOMMENDED OPERATING CONDITIONS, PAGE: 2-322	
	CORRECTION:	
	TH INPUT HOLD TIME-DATA AFTER	CLK RISING                      CLK FALLING
54109	THE TTL LOGIC DATA BOOK 1988, PAGE 2-325	ERRATA DATE: 9-15-88
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	CUMULATIVE ERRATA:	
	LOGIC DIAGRAM PAGE: 2-326	
	CORRECTION:	FROM:                      TO:
	LOWER OUTPUT DESIGNATOR	Q                              Q/
54111	THE TTL LOGIC DATA BOOK 1988, PAGE 2-331	NO ERRATA
54116	THE TTL LOGIC DATA BOOK 1988, PAGE 2-357	NO ERRATA
54120	THE TTL LOGIC DATA BOOK 1988, PAGE 2-361	NO ERRATA

54121

THE TTL LOGIC DATA BOOK  
1988, PAGE 2-367

ERRATA DATE: 9-15-88  
10-29-88

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CUMULATIVE ERRATA:

ELECTRICAL CHARACTERISTICS PAGE: 2-370

CORRECTION:	FROM:	TO:
VIH DESCRIPTION	HIGH-LEVEL INPUT VOLTAGE AT B INPUT	HIGH-LEVEL VOLTAGE AT A INPUT
VT- ON B INPUT	0.8 V MIN	DELETE VT- TESTING ON B INPUT

THE FOLLOWING PARAMETER IS NOT PRODUCTION TESTED:  
ICC, SUPPLY CURRENT FOR: VCC = MAX, TRIGGERED.

RECOMMENDED OPERATING CONDITIONS PAGE: 2-369

THE FOLLOWING PARAMETERS ARE NOT PRODUCTION TESTED:

1. DV/DT RATE OF RISE OR FALL TIME OF B/A INPUT PULSE.
2. REXT EXTERNAL TIMING RESISTANCE.
3. CEXT EXTERNAL TIMING CAPACITANCE.

SWITCHING CHARACTERISTICS PAGE: 2-370

THE FOLLOWING PARAMETER IS NOT PRODUCTION TESTED:  
TW(OUT) FOR: CEXT = 1UF, RT = 10 K OHMS.

54122

THE TTL LOGIC DATA BOOK  
1988, PAGE 2-373

ERRATA DATE: 9-15-88  
10-29-88  
7-12-90

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CUMULATIVE ERRATA:

RECOMMENDED OPERATING CONDITIONS, PAGE: 2-377

THE FOLLOWING PARAMETERS ARE NOT PRODUCTION TESTED:

1. EXTERNAL TIMING RESISTANCE, REXT.
2. EXTERNAL TIMING CAPACITANCE, CEXT.

ELECTRICAL CHARACTERISTICS PAGE: 2-377

ADD NOTE: ICC QUIESCENT ONLY IS MEASURED FOR 54 LEVEL DEVICES AND  
NOTE 7 DOES NOT APPLY TO 54 LEVEL DEVICES.

SWITCHING CHARACTERISTICS, PAGE 2-377

CORRECTION:	FROM:	TO:
TWQ(MIN) A OR B TO Q	65 NS MAX	70 NS MAX

54123

THE TTL LOGIC DATA BOOK  
1988, PAGE 2-373

ERRATA DATE: 9-15-88  
4-16-90



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RECOMMENDED OPERATING CONDITIONS PAGE: 2-377

THE FOLLOWING PARAMETERS ARE NOT PRODUCTION TESTED:

1. EXTERNAL TIMING RESISTANCE, REXT.
2. EXTERNAL TIMING CAPACITANCE, CEXT.

SWITCHING CHARACTERISTICS, PAGE: 2-377

CORRECTION

FROM

TO:

TWQ (MIN) A OR B TO Q

76 NS MAX

65 NS MAX

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54125 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-387

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54126 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-387

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54128 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-393

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54132 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-395

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ELECTRICAL CHARACTERISTICS PAGE: 2-397

THE FOLLOWING PARAMETER IS NOT PRODUCTION TESTED:

HYSTERESIS (VT+ - VT-)

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54136 THE TTL LOGIC DATA BOOK ERRATA DATE: 11-27-89  
1988, PAGE 2-417

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CORRECTION:

FROM:

TO:

PAGE HEADING PAGE: 2-418

54LS136

54136

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54145 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-447

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54148 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-451

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54150	THE TTL LOGIC DATA BOOK 1988, PAGE 2-457	NO ERRATA
54151A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-457	NO ERRATA
54153	THE TTL LOGIC DATA BOOK 1988, PAGE 2-465	NO ERRATA
54154	THE TTL LOGIC DATA BOOK 1988, PAGE 2-471	NO ERRATA
54155	THE TTL LOGIC DATA BOOK 1988, PAGE 2-475	NO ERRATA
54156	THE TTL LOGIC DATA BOOK 1988, PAGE 2-475	NO ERRATA
54157	THE TTL LOGIC DATA BOOK 1988, PAGE 2-483	NO ERRATA
54159	THE TTL LOGIC DATA BOOK 1988, PAGE 2-489	NO ERRATA
54160	THE TTL LOGIC DATA BOOK 1988, PAGE 2-493	NO ERRATA
54161	THE TTL LOGIC DATA BOOK 1988, PAGE 2-493	NO ERRATA
54162	THE TTL LOGIC DATA BOOK 1988, PAGE 2-493	NO ERRATA

54163	THE TTL LOGIC DATA BOOK 1988, PAGE 2-493	NO ERRATA
54164	THE TTL LOGIC DATA BOOK 1988, PAGE 2-515	NO ERRATA
54165	THE TTL LOGIC DATA BOOK 1988, PAGE 2-521	NO ERRATA
54166	THE TTL LOGIC DATA BOOK 1988, PAGE 2-529	NO ERRATA
54167	THE TTL LOGIC DATA BOOK 1988, PAGE 2-537	NO ERRATA
54170	THE TTL LOGIC DATA BOOK 1988, PAGE 2-555	NO ERRATA
54173	THE TTL LOGIC DATA BOOK 1988, PAGE 2-575	ERRATA DATE: 12-06-90
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ELECTRICAL CHARACTERISTICS, PAGE: 2-578		
CORRECTION:		
FROM:	TO:	
IO(OFF) WITH VO = 2.4 V	IO(OFF) WITH VO = 2.4 V MAX LIMIT	
MAX LIMIT 40 UA MAX	MAX LIMIT 150 UA MAX	
IO(OFF) WITH VO = 0.4 V	IO(OFF) WITH VO = 0.4 V MAX LIMIT	
MAX LIMIT -40 UA MAX	MAX LIMIT -150UA MAX	
54174	THE TTL LOGIC DATA BOOK 1988, PAGE 2-581	NO ERRATA
54175	THE TTL LOGIC DATA BOOK 1988, PAGE 2-581	NO ERRATA

54176 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-587

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54177 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-587

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54180 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-597

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54190 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-619

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CUMULATIVE ERRATA:

SWITCHING CHARACTERISTICS PAGE: 2-626

CORRECTION:	FROM:	TO:
F MAX TEST CONDITIONS	BLANK	SEE NOTE 1
NOTE 1: 54190 QD OUTPUT IS NOT PRODUCTION TESTED.		

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54191 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-619

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54192 THE TTL LOGIC DATA BOOK \* ERRATA DATE: 9-15-88  
1988, PAGE 2-639 \* ERRATA DATE:10-22-96  
FORM #:1586

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\* CUMULATIVE ERRATA:

SWITCHING CHARACTERISTICS PAGE: 2-639

CORRECTION:	FROM:	TO:
F MAX TEST CONDITIONS	BLANK	SEE NOTE 1
NOTE 1: 54192 QD OUTPUT IS NOT PRODUCTION TESTED.		

\* ERRATA DATE:10-22-96\FORM:1586 REQUESTER: MARK HOUGSETT (915)561-7124  
DATA BOOK/SHEET:1988 TTL DATA BOOK, SDLD001A, PAGE:2-639  
DEVICE:54192

CORRECTION (LIST PARAMETERS)	FROM:	TO:
TH - HOLD TIME (DATA, HIGH OR LOW)	0NS	NO CHANGE
(/LOAD) 3NS	DELETE ENTIRE ROW	

CLARIFICATION: THERE IS NO DEGRADING OF PRODUCT. THIS PARAMETER IS NOT  
REQUIRED BECAUSE IT IS COVERED BY THE 20NS SETUP TIME  
FROM DATA TO LOAD.

54193 THE TTL LOGIC DATA BOOK ERRATA DATE:10-18-96  
1988, PAGE 2-633 FORM #:1587

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ERRATA DATE:10-18-96\FORM:1587 REQUESTER: MARK HOUGSETT (915)561-7124  
DATA BOOK/SHEET:1988 TTL DATA BOOK, SDL001A, PAGE:2-639  
DEVICE:54193

CORRECTION (LIST PARAMETERS)	FROM:	TO:
TH - HOLD TIME (DATA, HIGH OR LOW)	0NS	NO CHANGE
(/LOAD) 3NS	DELETE ENTIRE ROW	

CLARIFICATION: THERE IS NO DEGRADING OF PRODUCT. THIS PARAMETER IS NOT  
REQUIRED BECAUSE IT IS COVERED BY THE 20NS SETUP TIME  
FROM DATA TO LOAD.

54195 THE TTL LOGIC DATA BOOK ERRATA DATE: 03/02/92  
1988, PAGE 2-655

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PAGE: 2-659

CORRECTION:	FROM:	TO:
SHIFT/LOAD RELEASE TIME	10 NS MAX	20 NS MAX
(TRELEASE)		

54196 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-663

54197 THE TTL LOGIC DATA BOOK ERRATA DATE: 7-11-90  
1988, PAGE 2-663 9-11-90

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CUMULATIVE ERRATA:\  
RECOMMENDED OPERATING CONDITIONS: PAGE: 2-665

	FROM:	TO:
TH HIGH-LEVEL DATA	TW(LOAD)	5 NS
TH LOW-LEVEL DATA	TW(LOAD)	5 NS

NOTE #3	SETUP AND HOLD TIMES ARE WITH RESPECT TO THE FALL- ING EDGE OF LOAD INPUT.	SETUP TIME IS WITH RESPECT TO THE FALL- ING EDGE AND HOLD TIME IS WITH RESPECT TO THE RISING EDGE OF THE LOAD INPUT.
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PAGE: 2-666

NOTE #6	LOAD CIRCUIT, INPUT CONDI- TIONS, AND VOLTAGE WAVE-	LOAD CIRCUIT, INPUT CONDITIONS, AND
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FORMS ARE THE SAME AS  
THOSE SHOWN FOR THE '176,  
FMAX, VIL = 0.3 V.

VOLTAGE WAVEFORMS  
ARE THE SAME AS  
'176, '177 EXCEPT  
THAT TESTING FMAX,  
VIL = 0.3 V, AND  
T(H) IS REFERENCED  
TO THE RISING EDGE  
OF THE LOAD INPUT.

PAGE: 2-665

CORRECTION:  
TEN COUNT ENABLE TIME

FROM:  
20 NS MIN

TO:  
25 NS MIN

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54198 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-671

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54199 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-671

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54221 THE TTL LOGIC DATA BOOK ERRATA DATE: 9-15-88  
1988, PAGE 2-681 4-16-90  
10-25-90

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RECOMMENDED OPERATING CONDITIONS PAGE: 2-683

THE FOLLOWING PARAMETERS ARE NOT PRODUCTION TESTED:

1. DV/DI, RATE OF RISE OR FALL TIME OF B/A INPUT PULSE.
2. REXT, EXTERNAL TIMING RESISTANCE.
3. CEXT, EXTERNAL TIMING CAPACITANCE.

ELECTRICAL CHARACTERISTICS PAGE: 2-683

THE FOLLOWING PARAMETER IS NOT PRODUCTION TESTED:

ICC, SUPPLY CURRENT FOR: VCC = MAX, TRIGGERED.

SWITCHING CHARACTERISTICS PAGE: 2-684

THE FOLLOWING PARAMETER IS NOT PRODUCTION TESTED:

TW(OUT) FOR: CEXT = 1UF, RT = 10 K OHMS.

ELECTRICAL CHARACTERISTICS, PAGE: 2-683

CORRECTION:

VT- ON B INPUT

VIH, HIGH LEVEL INPUT VOLTAGE

VIL, LOW LEVEL INPUT VOLTAGE

FROM:

0.8 V MIN

AT A INPUTS

AT A INPUTS

TO:

DELETE VT- TESTING ON B INPUT

AT A AND CLR INPUTS

AT A, B AND CLR INPUTS

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54251 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-715

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54259 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-735

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54265 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-751

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54278 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-767

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54279 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-771

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54283 THE TTL LOGIC DATA BOOK NO ERRATA  
1988, PAGE 2-781

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54290 THE TTL LOGIC DATA BOOK ERRATA DATE: 2-27-89  
1988, PAGE 2-791

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FUNCTION TABLES PAGE: 2-793

CORRECTION:	FROM:	TO:
290, LS290 BCD COUNT SEQUENCE FUNCTIONAL TABLE	SEE NOTE A	SEE NOTE A AND E
290, LS290 BI-QUINARY (5-2) FUNCTIONAL TABLE	SEE NOTE B	SEE NOTE B AND E

ADD NOTE: E. DUE TO TESTER LIMITATIONS, OUTPUT QD IS NOT CONNECTED TO INPUT A FOR THE BI-QUINARY COUNT AND QA IS NOT CONNECTED TO INPUT B FOR THE BCD COUNT. WITHOUT THESE CONNECTIONS, THE COMPLETE COUNT SEQUENCE CANNOT BE REALIZED, BUT A PARTIAL COUNT CAN BE BY EXERCISING QA WITH INPUT A; AND QB, QC AND QD WITH INPUT B.

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54293 THE TTL LOGIC DATA BOOK ERRATA DATE: 2-27-89  
1988, PAGE 2-791

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FUNCTION TABLES PAGE: 2-793

CORRECTION:

293, LS293 COUNT SEQUENCE

FUNCTIONAL TABLE

SEE NOTE C

SEE NOTE C AND E

ADD NOTE: E. DUE TO TESTER LIMITATIONS, OUTPUT QD IS NOT CONNECTED TO INPUT A FOR THE BI-QUINARY COUNT AND QA IS NOT CONNECTED TO INPUT B FOR THE BCD COUNT. WITHOUT THESE CONNECTIONS, THE COMPLETE COUNT SEQUENCE CANNOT BE REALIZED, BUT A PARTIAL COUNT CAN BE BY EXERCISING QA WITH INPUT A; AND QB, QC AND QD WITH INPUT B.

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54298	THE TTL LOGIC DATA BOOK 1988, PAGE 2-817	NO ERRATA
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54365A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-873	
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54366A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-873	NO ERRATA
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54367A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-873	NO ERRATA
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54368A	THE TTL LOGIC DATA BOOK 1988, PAGE 2-873	NO ERRATA
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54376	THE TTL LOGIC DATA BOOK 1988, PAGE 2-893	NO ERRATA
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54390	THE TTL LOGIC DATA BOOK 1988, PAGE 2-919	NO ERRATA
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54393	THE TTL LOGIC DATA BOOK 1988, PAGE 2-919	NO ERRATA
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JBP18S030

THE TTL DATA BOOK, VOL. 4  
1986, PAGE 4-5

ERRATA DATE:04-04-88

ERRATA DATE:04-24-90

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PARAMETER MEASUREMENT INFORMATION PAGE: 1-13

CORRECTION:

FROM:

TO:

TPLZ, TPHZ, TPZL, TPZH: CHANGE LOAD CIRCUIT FROM 3-STATE OUTPUT CIRCUIT SHOWN ON PAGE 1-13 TO 3-STATE OUTPUT CIRCUIT SHOWN ON PAGE 1-15. CHANGE DISABLE TEST METHOD FROM THAT SHOWN ON PAGE 1-14 TO THAT SHOWN ON PAGE 1-15.

ELECTRICAL CHARACTERISTICS, PAGE: 4-8

CORRECTION:

FROM:

TO:

IOZH

50 UA

200 UA

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JBP28L22

THE TTL DATA BOOK, VOL 4  
1986, PAGE 4-11

ERRATA DATE: 9-14-87

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PARAMETER MEASUREMENT INFORMATION PAGES: 1-13, 1-14, 1-15

CORRECTION:

TPLZ, TPHZ, TPZL, TPZH: CHANGE LOAD CIRCUIT FROM 3-STATE OUTPUT CIRCUIT SHOWN ON PAGE 1-13 TO 3-STATE OUTPUT CIRCUIT SHOWN ON PAGE 1-15. CHANGE DISABLE TEST METHOD FROM THAT SHOWN ON PAGE 1-14 TO THAT SHOWN ON PAGE 1-15.

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JBP28L42

THE TTL DATA BOOK, VOL.4  
1986, PAGE 4-11

ERRATA DATE: 4-26-88

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PARAMETER MEASUREMENT INFORMATION PAGES: 1-13, 1-14, 1-15

CORRECTION:

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