



DOCUMENT CHANGE REQUEST

DCR number 247 Changes required for: General

Date: 2006/04/04

Date sent: 2006/04/04

Originator: S Thacker

Organisation: ESA/ESTEC

Status: IMPLEMENTED

Title: HCMOS Octal D-Type Edge-Triggered Flip-Flops with 3-State Outputs, based on type 54HC574

Number: 9203/054

Issue: 2

Other documents affected:

Page:

Page 13, para 1.10
Page 16 & 17, para 2.3.1
Page 19, para 2.3.2
Page 20, para 2.3.3

Paragraph:

Page 13, para 1.10
Page 16 & 17, para 2.3.1
Page 19, para 2.3.2
Page 20, para 2.3.3

Original wording:

Proposed wording:

In addition to the various editorial amendments contained in DCR245 several additional amendments applicable to this specification (and other related ESCC specifications in the 54HC series) are as follows:

1) Para 1.10 Truth Table: add note to define "Q0":

"Note 3. Q0 = The level of Q before the indicated steady-state input conditions are established"

2) Para 2.3.1. For propagation delay/AC parameters tests amend presentation of the test conditions to be:

VIN=Pulse Generator
VIN(Remining Inputs) per Truth Table
VIL=0V, VIH=4.5V
VDD=4.5V, VSS=0V
Note 5

3) Para 2.3.2 VOH2 test: amend VIH condition to be 3.15V (was 4.2V)



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4) Para 2.3.3 Note 6. Amend note to include number of permitted failures i.e.:

"Note 6. Read and record measurements shall be performed on a sample of 5 components with 0 failures permitted."

Justification:

Amendments included for the purposes of clarification and consistency with other ESCC specification plus the correction of typographic errors. The amendments are consistent with other issued 54HC series (& 4000B series) ESCC specifications

Attachments:

N/A

Modifications:

N/A

Approval signature:

Date signed:

2006-04-04