

Specification for

Harmonized system of quality assessment for electronic components — Family specification —

Digital integrated TTL low power
SCHOTTKY circuits
Series 54LS, 64LS, 74LS, 84LS

The European Standard EN 190103:1994 has the status of a
British Standard

Amendments issued since publication

Amd. No.	Date of issue	Comments
6764	June 1991	
8117	February 1994	
8370	September 1994	Indicated by a sideline in the margin

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National foreword

This British Standard has been prepared under the direction of the Electronic Components Standards Policy Committee. It is identical with CENELEC Electronic Components Committee [CECC] 90103:1988 “*Harmonized system of quality assessment for electronic components. Family specification: Digital integrated TTL low power SCHOTTKY circuits: Series 54LS, 64LS, 74LS, 84LS*”.

This standard is a harmonized specification within the CECC System.

BS CECC 90103:1980 and BS CECC 90103:1983 remain valid for existing qualification approvals until further notice.

In 1994 the CENELEC Electronic Components Committee (CECC) accepted CECC 90103:1988 with Amendments 1 and 2 as European Standard EN 190103:1994.

Cross-references. The British Standard which implements CECC 00100 is BS 9000 *General requirements for a system for electronic components of assessed quality* — Part 2:1983 *Specification for national implementation of CECC basic rules and rules of procedure*.

International Standards ^a	Corresponding British Standards
IEC 68-2-30:1980	BS 2011 <i>Environmental testing</i> Part 2.1 Db:1981 <i>Test Db and guidance: Damp heat, cyclic [12 + 12 hour cycle]</i> (Identical)
CECC 90000:1985	BS CECC 90000:1985 <i>Harmonized system of quality assessment for electronic components. Generic specification: Monolithic integrated circuits</i> (Identical)
CECC 90100:1986	BS CECC 90100:1986 <i>Harmonized system of quality assessment for electronic components: Sectional specification: Digital monolithic integrated circuits</i> (Identical)

^a Undated in text.

The Technical Committee has reviewed the provisions of IEC 747, IEC 748 and IEC 749, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

Scope. This standard lists the ratings, characteristics and inspection requirements which shall be included as mandatory requirements in accordance with BS CECC 90100 in any detail specification for these devices.

NOTE Typographical error on CECC front cover: “Sieres L45S” should read “Series 54LS”.

Detail specification layout. The front page of detail specifications released to BS CECC family or blank detail specification will be in accordance with BS 9000 Circular Letter No. 15.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 4, the CECC title page, page ii, pages 1 to 9 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Descriptors: Quality, electronic components, digital integrated TTL Low Power Schottky Circuits

English version

Family Specification:
Digital Integrated TTL Low Power Schottky Circuits
Series 54 LS, 64LS, 74LS, 84LS

Spécification de famille:
Circuits intégrés digitaux TTL low
power Schottky
Séries 54 LS, 64LS, 74LS, 84LS

Familienspezifikation:
Digitale integrierte TTL Low
Power Schottky-Schaltungen
Serien 54 LS, 64LS, 74LS, 84LS

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 30 April 1994. CENELEC members are bound to comply with CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the General Secretariat of the CECC or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CECC General Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and United Kingdom. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby acceptable in all member countries without further testing.

This European Standard was prepared by CECC WG 9, "Integrated Circuits".

The text of the draft based on document CECC 90103 Issue 3:1988 (with A1 + A2) was submitted to the formal note for conversion to a European Standard; together with the voting report, circulated as document CECC(Secretariat)3536 it was approved by CECC as EN 190103 on 30 April 1994.

The following dates were fixed:

- latest date of announcement of the EN at national level (doa) 1994-09-01
- latest date of publication of an identical national standard^a (dop) 1995-03-01
- latest date of withdrawal of conflicting national standards^a (dow) 1996-03-01

^a National Standard (excluding National implementation of IECQ Specifications)

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