



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 62326-4-1:1998**

ICS 31.180

**PRINTED BOARDS**

**PART 4: RIGID MULTILAYER PRINTED  
BOARDS WITH INTERLAYER CONNECTIONS  
SECTIONAL SPECIFICATION SECTION 1:  
CAPABILITY DETAIL SPECIFICATION  
PERFORMANCE LEVELS A, B AND C  
(IEC 2326-4-1:1996)**

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 62326-4-1**

January 1997

ICS 31.180

Descriptors: Printed boards, rigid multilayer, interlayer connections, capability approval, capability detail specification, performance levels A, B and C, capability testing

English version

**Printed boards**  
**Part 4: Rigid multilayer printed boards with interlayer connections**  
**Sectional specification**  
**Section 1: Capability Detail Specification**  
**Performance levels A, B and C**  
**(IEC 2326-4-1:1996)**

Cartes imprimées  
Partie 4: Cartes imprimées multicouches  
rigides avec connexions intercouches  
Spécification intermédiaire  
Section 1: Spécification particulière  
d'agrément  
Niveaux de performance A, B et C  
(CEI 2326-4-1:1996)

Leiterplatten  
Teil 4: Starre Mehrlagen-Leiterplatten  
mit Durchverbindungen  
Rahmenspezifikation  
Hauptabschnitt 1: Bauartspezifikation  
zum Nachweis der Befähigung  
Anforderungsstufen A, B und C  
(IEC 2326-4-1:1996)

This European Standard was approved by CENELEC on 1996-12-09. CENELEC members are bound to comply with the 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 Central Secretariat 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 Central 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.

**CENELEC**

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 text of document 52/656/FDIS, future edition 1 of IEC 2326-4-1, prepared by IEC TC 52, Printed circuits, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62326-4-1 on 1996-12-09.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 1997-09-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) -

This section 1 of part 4 is to be used in conjunction with EN 62326-1:1997 and EN 62326-4:1997

Annexes designated "normative" are part of the body of the standard.  
Annexes designated "informative" are given for information only.  
In this standard, annex ZA is normative and annexes A, B and C are informative.  
Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 2326-4-1:1996 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA (normative)****Normative references to international publications  
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

| <u>Publication</u> | <u>Year</u>   | <u>Title</u>   | <u>EN/HD</u>                 | <u>Year</u> |
|--------------------|---------------|--|------------------------------|-------------|
| IEC 68-2-3         | 1969          | Basic environmental testing procedures<br>Part 2: Tests - Test Ca: Damp heat, steady state   | HD 323.2.3 S2 <sup>1)</sup>  | 1987        |
| IEC 68-2-20        | 1979          | Test T: Soldering  | HD 323.2.20 S3 <sup>2)</sup> | 1988        |
| IEC 68-2-38        | 1974          | Test Z/AD: Composite temperature/humidity cyclic test  | HD 323.2.38 S1               | 1988        |
| IEC 249-3-3        | 1991          | Base materials for printed circuits<br>Part 3: Special materials used in connection with printed circuits<br>Specification No. 3: Permanent polymer coating materials (solder resist) for use in the fabrication of printed boards | -                            | -           |
| IEC 1189-3         | <sup>3)</sup> | Test methods for electrical materials, interconnection structures and assemblies<br>Part 3: Test methods for interconnection structures (printed boards)   | -                            | -           |
| IEC 2326-1         | 1996          | Printed boards<br>Part 1: Generic specification  | EN 62326-1                   | 1997        |
| IEC 2326-4         | 1996          | Part 4: Rigid multilayer printed boards with interlayer connections<br>Sectional specification   | EN 62326-4                   | 1997        |

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1) HD 323.2.3 S2 includes A1:1984 to IEC 68-2-3.

2) HD 323.2.20 S3 includes A2:1987 to IEC 68-2-20.

3) At present under IEC-CENELEC parallel vote (52/627/FDIS).



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