SLOVENSKI STANDARD
SIST EN 60603-6:2002

01-september-2002

Connectors for frequencies below 3 MHz for use with printed boards - Part 6: Edge -socket connectors and printed-board connectors with 2,54 mm (0,1 in) contact spacing for single or double-sided printed boards of 1,6 mm (0,063 in) nominal thickness (IEC 60603-6:1987)

Connectors for frequencies below 3 MHz for use with printed boards -- Part 6: Edge-socket connectors and printed-board connectors with 2,54 mm (0,1 in) contact spacing for single or double-sided printed boards of 1,6 mm (0,063 in) nominal thickness

Steckverbinder für gedruckte Schaltungen für Frequenzen unter 3 MHz -- Teil 6: Direkte Steckverbinder und Steckverbinder für gedruckte Schaltungen mit 2,54 mm (0,1 in) Kontaktabstand für ein- oder beidseitig beschichtete Leiterplatten mit 1,6 mm (0,063 in) Nenndicke

Connecteurs pour fréquences inférieures à 3 MHz pour utilisation avec cartes imprimées -- Partie 6: Connecteurs encartables et pour cartes imprimées à écartement des contacts de 2,54 mm (0,1 in) pour cartes imprimées simple ou double face, ayant une épaisseur nominale de 1,6 mm (0,063 in)

Ta slovenski standard je istoveten z: **EN 60603-6:1998**

ICS:

31.220.10	Vtiļ i in vtiļ nice, konektorji	Plug-and-socket devices. Connectors

SIST EN 60603-6:2002 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60603-6

February 1998

ICS 31.220.10

Descriptors: Electronic components, electric connectors, printed-circuit cards, connector plugs, designation, dimensions, assembling, couplings, tests, standard gauges, characteristics

English version

Connectors for frequencies below 3 MHz for use with printed boards Part 6: Edge-socket connectors and printed-board connectors with 2,54 mm (0,1 in) contact spacing for single or double-sided printed boards of 1,6 mm (0,063 in) nominal thickness
(IEC 60603-6:1987)

Connecteurs pour fréquences inférieures à 3 MHz pour utilisation avec cartes imprimées
Partie 6: Connecteurs encartables et pour cartes imprimées à écartement des contacts de 2,54 mm (0,1 in) pour cartes imprimées simple ou double face, ayant une épaisseur nominale de 1,6 mm (0,063 in)
(CEI 60603-6:1987)

Steckverbinder für gedruckte Schaltungen für Frequenzen unter 3 MHz
Teil 6: Direkte Steckverbinder und Steckverbinder für gedruckte Schaltungen mit 2,54 mm (0,1 in) Kontaktabstand für ein- oder beidseitig beschichtete Leiterplatten mit 1,6 mm (0,063 in) Nenndicke
(IEC 60603-6:1987)

This European Standard was approved by CENELEC on 1998-01-01. 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, Czech Republic, 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 the International Standard IEC 60603-6:1987, prepared by SC 48B, Connectors, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the formal vote and was approved by CENELEC as EN 60603-6 on 1998-01-01 without any modification.

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) 1998-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1998-12-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60603-6:1987 was approved by CENELEC as a European Standard without any modification.

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.

Publication	Year	Title	EN/HD	Year
IEC 60050(581)	1978	International Electrotechnical Vocabulary (IEV) Chapter 581: Electromechanical components for electronic equipment	-	-
IEC 60512-2	1976	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods Part 2: General examination, electrical continuity and contact resistance tests, insulation tests and voltage stress tests	-	-
IEC 60512-3	1976	Part 3: Current-carrying capacity tests	-	-
IEC 60512-6	1984	Part 6: Climatic tests and soldering tests	-	-
IEC 60512-7	1978	Part 7: Mechanical operating tests and sealing tests	-	-
A1	1983		-	-
IEC 60603-1	1981[1)]	Connectors for frequencies below 3 MHz for use with printed boards Part 1: General rules and guide for the preparation of detail specifications	-	-

1) IEC 60603-1:1991 + A1:1992 are harmonized as EN 60603-1:1998.

NORME INTERNATIONALE

INTERNATIONAL STANDARD

CEI
IEC
603-6

Première édition
First edition
1987

Connecteurs pour fréquences inférieures à 3 MHz pour utilisation avec cartes imprimées

Sixième partie:

Connecteurs encartables et pour cartes imprimées à écartement des contacts de 2,54 mm (0,1 in) pour cartes imprimées simple ou double face, ayant une épaisseur nominale de 1,6 mm (0,063 in)

Connectors for frequencies below 3 MHz for use with printed boards

Part 6:

Edge-socket connectors and printed-board connectors with 2.54 mm (0.1 in) contact spacing for single or double-sided printed boards of 1.6 mm (0.063 in) nominal thickness

Bureau central de la Commission Electrotechnique Internationale 3, rue de Varembé Genève Suisse

Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE
W

Pour prix, voir catalogue en vigueur
For price, see current catalogue

CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONNECTORS FOR FREQUENCIES BELOW 3 MHz FOR USE WITH PRINTED BOARDS

Part 6: Edge-socket connectors and printed-board connectors with 2.54 mm (0.1 in) contact spacing for single or double-sided printed boards of 1.6 mm (0.063 in) nominal thickness

FOREWORD

1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.

2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.

3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

PREFACE

This standard has been prepared by Sub-Committee 48B: Connectors, of IEC Technical Committee No. 48: Electromechanical Components for Electronic Equipment.

The text of this standard is based on the following documents:

Six Months' Rule	Report on Voting
48B(CO)133	48B(CO)145

Further information can be found in the Report on Voting indicated in the table above.

CONNECTORS FOR FREQUENCIES BELOW 3 MHz FOR USE WITH PRINTED BOARDS

Part 6: Edge-socket connectors and printed-board connectors with 2.54 mm (0.1 in) contact spacing for single or double-sided printed boards of 1.6 mm (0.063 in) nominal thickness

---

1. Scope

This standard covers a range of connectors with 2.54 mm (0.1 in) contact spacing intended to connect a single or double-sided printed board to another printed board or wires.

Two kinds are available:

Edge-socket connector

A connector with female contacts intended to mate with edge-board contacts and with printed-board connectors having male contacts.

Edge-socket connectors are available with:
- solder terminations for wire;
- solder terminations for board mounting;
- wrap terminations.

Printed-board connector

A connector having male contacts which when mounted on a printed board replaces the edge-board contacts.

Printed-board connectors are provided with solder terminations for single or double-sided boards of 1.6 mm (0.063 in) nominal thickness.

An edge-socket connector mated with a printed-board connector is referred to as a two-part connector in this standard.

The mandatory method of locating is by means of a guide key which replaces an opposite pair of contacts, and one such key is provided per connector (see also Sub-clause 4.5)

This standard shall be used in conjunction with the following IEC publications:

Nos. 50 (581) (1978): International Electrotechnical Vocabulary, Chapter 581: Electromechanical Components for Electronic Equipment.

603-1 (1981): Connectors for Frequencies Below 3 MHz for Use with Printed Boards, Part 1: General Rules and Guide for the Preparation of Detail Specifications.

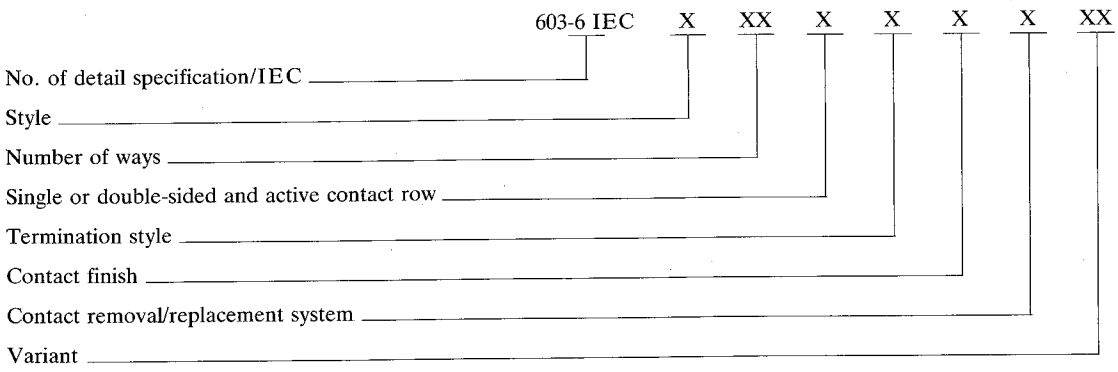
512-2 (1976): Electromechanical Components for Electronic Equipment; Basic Testing Procedures and Measuring Methods, Part 2: General Examination, Electrical Continuity and Contact Resistance Tests, Insulation Tests and Voltage Stress Tests.

512-3 (1976): Part 3: Current-carrying Capacity Tests.

512-6 (1984): Part 6: Climatic Tests and Soldering Tests.

512-7 (1978): Part 7: Mechanical Operating Tests and Sealing Tests.
Amendment No. 1 (1983).

2. IEC type designation



No. of detail specification/IEC: 603-6 IEC

Style: As shown in Clauses 3 and 4 of this standard.

Number of ways: Digits denoting the number of contact locations along one side of the connector. Maximum 85 for Styles 1, 2, 3 and 5, and 80 for Style 4.

Single or double-sided and active contact row:

A = single-sided, side A active, single row of terminations
B = single-sided, side B active, single row of terminations
E = single-sided, side A active, double row of terminations
F = single-sided, side B active, double row of terminations
D = double-sided, both sides active

Termination style:

S = solder terminations for wire
B = solder terminations for printed board
W = wrap terminations
T = through-board solder, short termination
L = through-board solder, long termination
X = through-board solder, extra long termination

Contact finish:

A = gold alloy

Contact removal/replacement system:

A = rear release/front removable/replaceable contacts
B = rear release/rear removable/replaceable contacts
C = front release/front removable/replaceable contacts
D = front release/rear removable/replaceable contacts

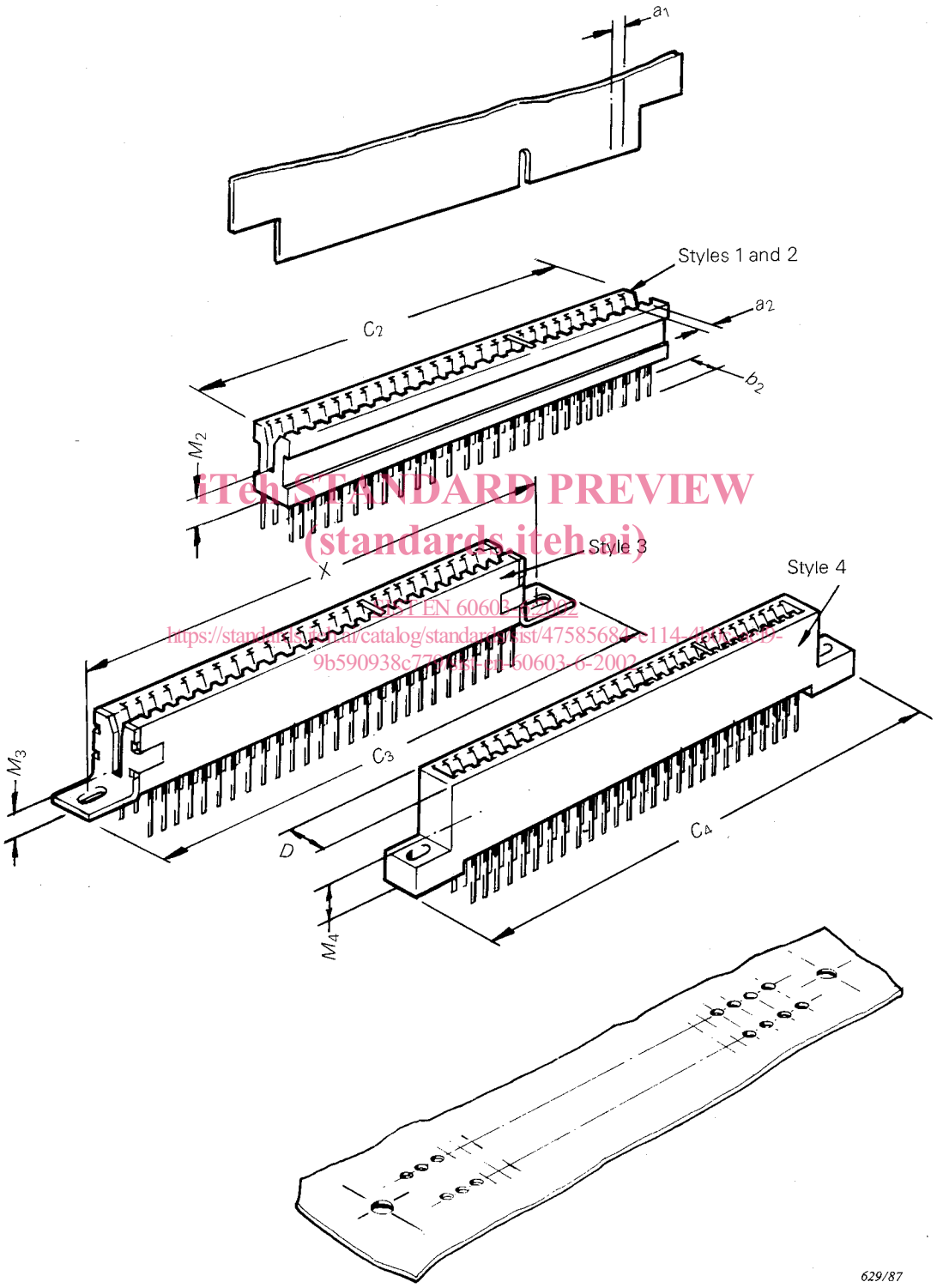
Variant: Digits identifying individual connector, parts and associated tools for replacement purposes.

Example of type designation: 603-6 IEC A 80 B W A C XX

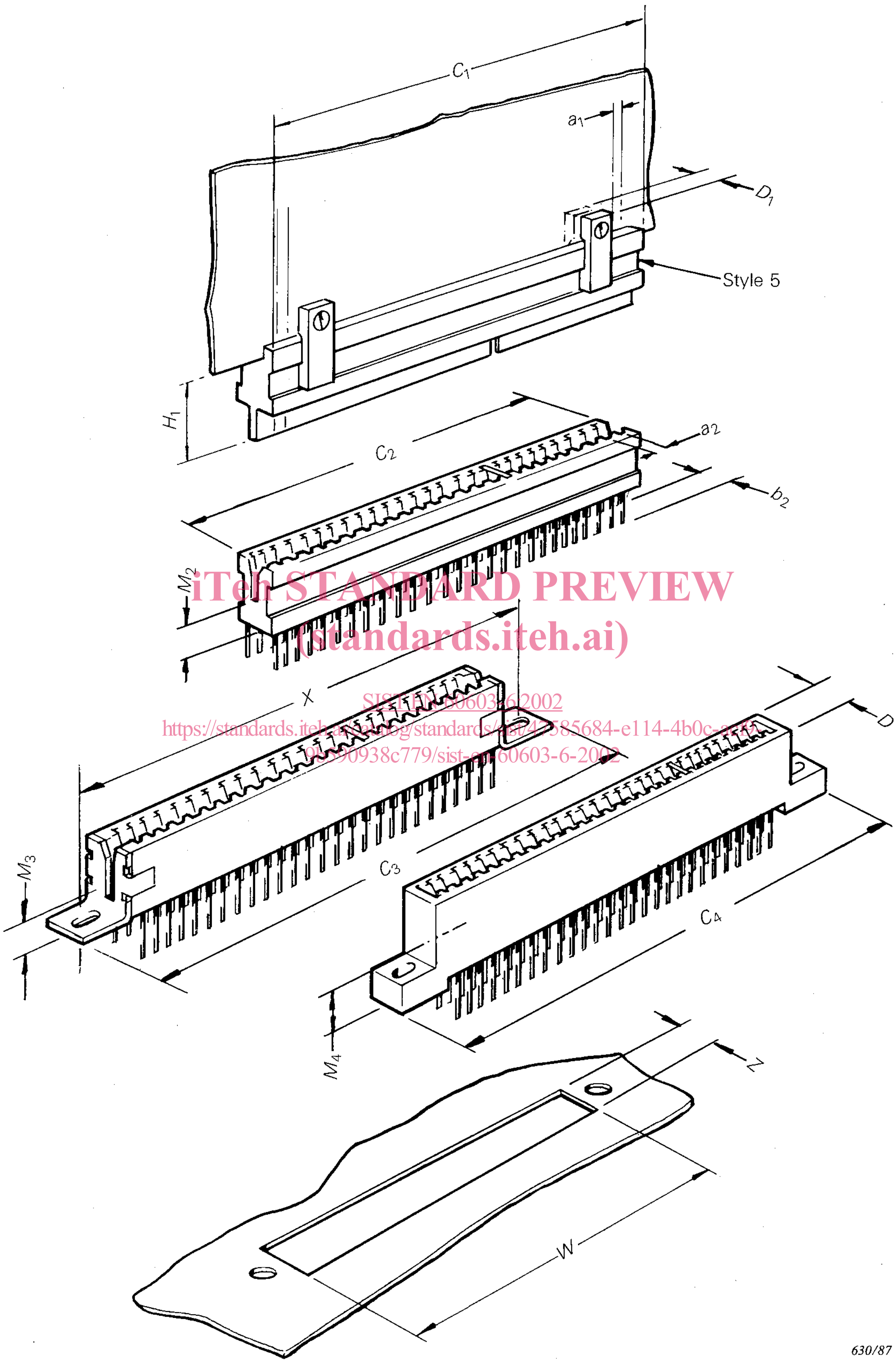
3. Common features

3.1 *Perspective views*

3.1.1 *Edge-socket connector*



3.1.2 *Printed-board connector*



630/87