

INTERNATIONAL STANDARD

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Information technology — Telecommunications and information exchange between systems — 50-pole interface connector mateability dimensions and contact number assignments

*Technologies de l'information — Télécommunications et échange
d'information entre systèmes — Dimensions de raccordement du
connecteur d'interface de 50 pôles et attributions du numéro de contact*



Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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1 Scope

This International Standard specifies a 50-pole connector, including the necessary mateability dimensions and the assignment of contact numbers, for use at the interface between data terminal equipment (DTE) and data circuit terminating equipment (DCE). It is applicable where the functional characteristics of the interface conform to CCITT Recommendation V.24 and the electrical characteristics conform to ITU-T Recommendation V.12.

2 Normative references

The following ITU-T (CCITT) Recommendations and International Standards contain certain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All ITU-T (CCITT) Recommendations and International Standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards/recommendations indicated below. Members of IEC and ISO maintain registers of currently valid International Standards. The ITU-T Secretariat maintains a list of currently valid ITU-T (CCITT) Recommendations.

CCITT Recommendation V.24: 1988, *List of definitions for interchange circuits between data terminal equipment and data circuit-terminating equipment*.

ITU-T Recommendation V.12: 1995, *Electrical characteristics for balanced interchange circuits with data signalling rates up to 52 Mbit/s*.

ITU-T Recommendation V.130: 1995, *ISDN Terminal Adapter Framework*.

IEC 48B (Sec.):1993, *Detail specification for a range of shielded connectors with trapezoidal shaped shells and non-removable rectangular contacts on a 1,27 x 2,54 mm (0,050 x 0,100 in) centerline*.