

Date: 1996-05-03

ISO/IEC JTC 1/SC 25
INTERCONNECTION OF INFORMATION TECHNOLOGY EQUIPMENT
Secretariat: Germany (DIN)

TITLE: Results of voting on CD xxxx-9 and Collation of Comments
Information Technology
Small Computer System Interface SCSI-3 Part 9: Parallel Interface (SPI)

SOURCE: SC 25 Secretary

PROJECT: 25.13.11.05

STATUS: CD xxxx-9 was distributed with SC 25 N 262. The draft has reached
substantial support.
The NWIP JTC 1 N 3696 has been approved see JTC 1 N 3913.

REQUESTED: For information of Members of SC 25. The Comments are handed to SC
25IWG 4 for consideration and to update the text.

DISTRIBUTION: P-Members of SC 25 L-, 0-Members of SC 25

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dpANS SCSI-3 Parallel Interface

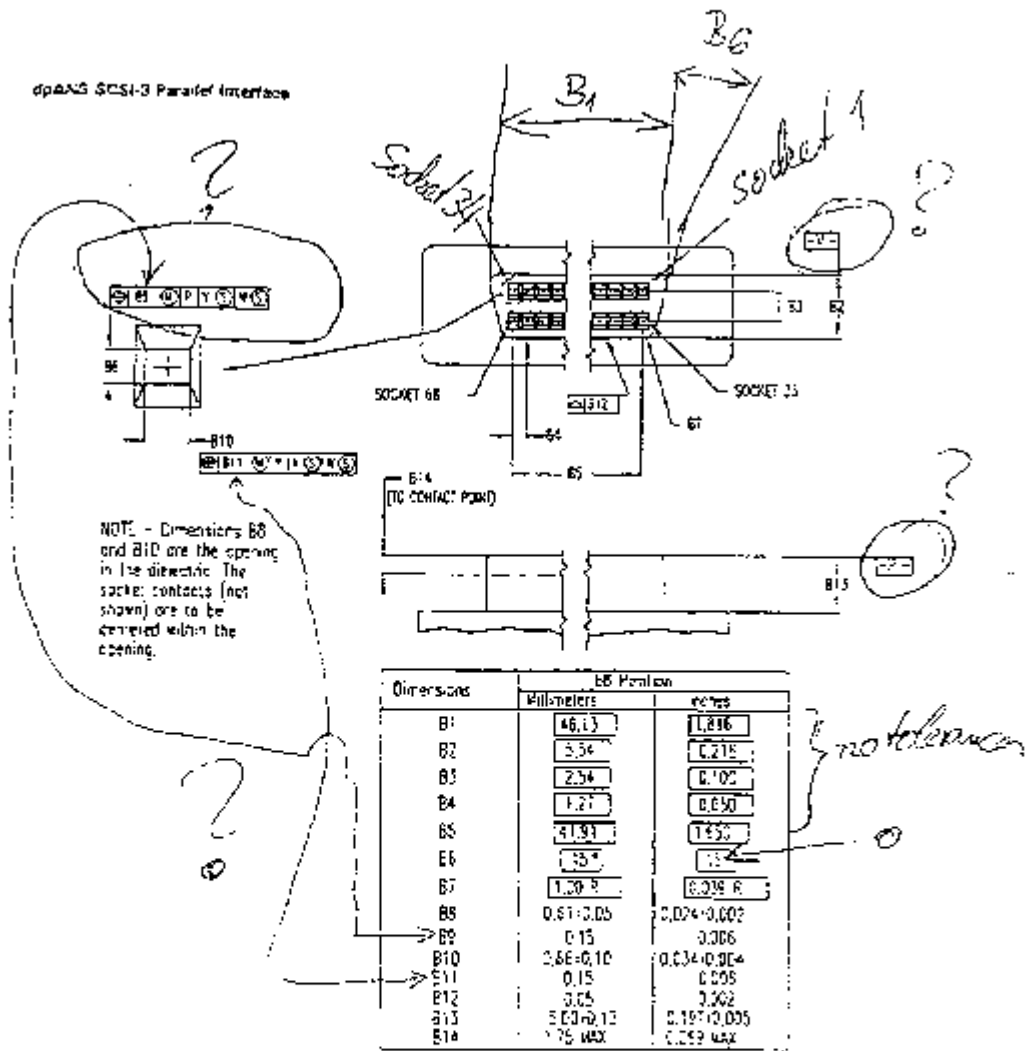


Figure 4 - Nonshielded device connector

cpAKS SCSI-3 Parallel Interface

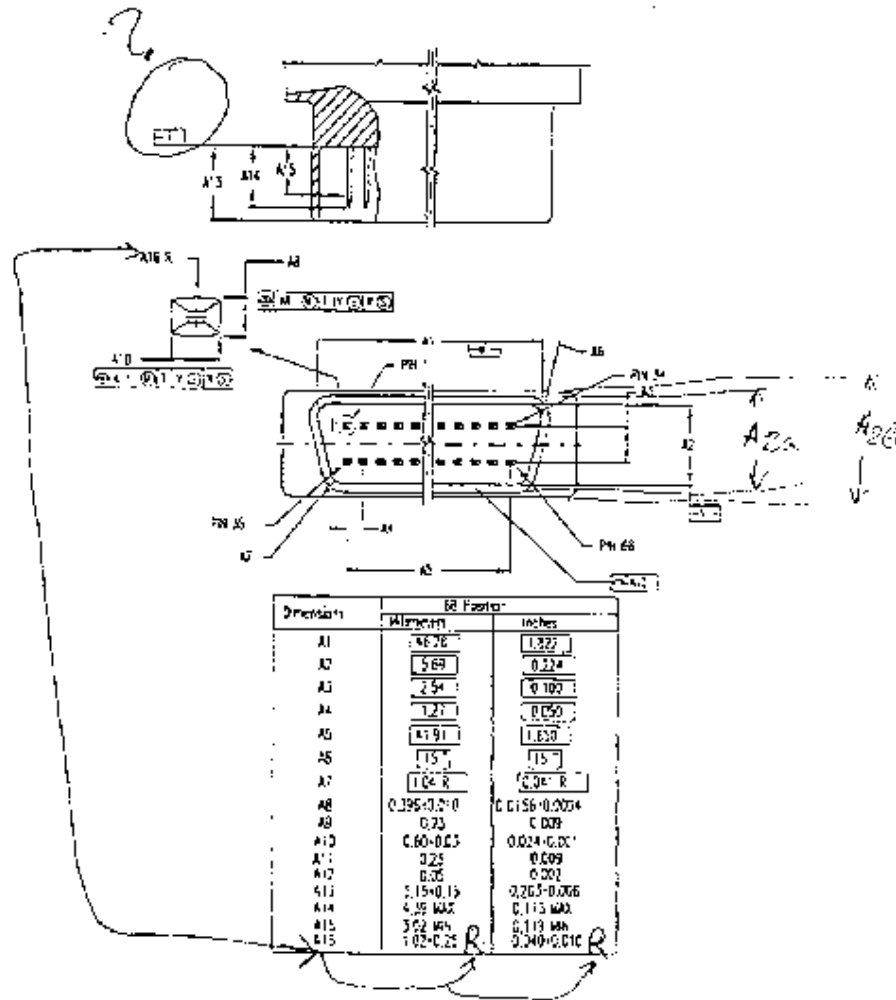
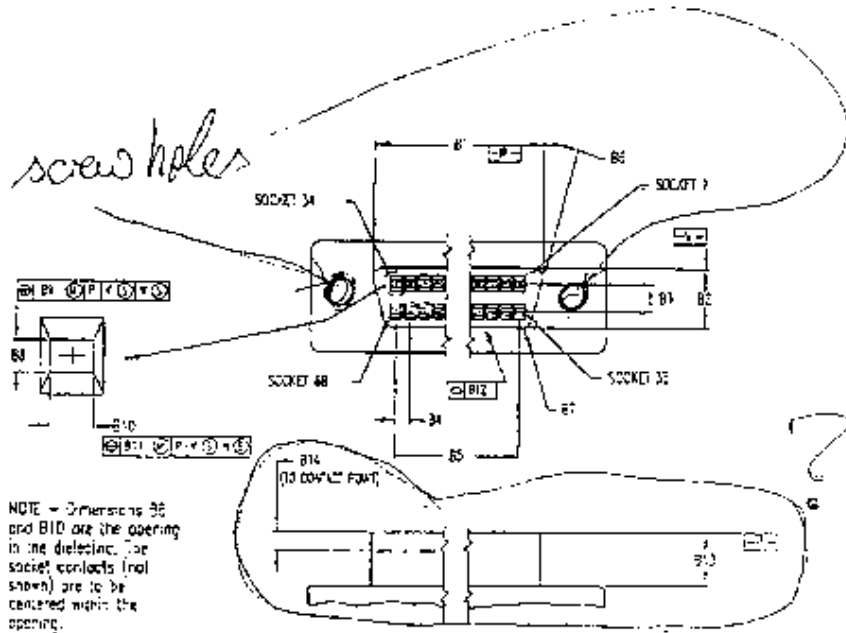


Figure 5 — Nonshielded mating connector

dpAXIS SCSI-3 Parallel Interface

screw holes



NOTE - Dimensions B6 and B10 are the opening in the dielectric. The socket contacts (not shown) are to be centered within the opening.

Dimensions	B8 Position	
	Millimeters	Inches
B1	46.15	1.816
B2	3.54	0.139
B3	2.54	0.100
B4	1.27	0.050
B5	4.51	0.178
B6	1.52	0.060
B7	60 R	0.032 R
B8	0.51±0.05	0.024±0.002
B9	0.15	0.005
B10	0.35±0.10	0.014±0.004
B11	0.15	0.006
B12	0.05	0.002
B13	3.00±0.15	0.118±0.005
B14	1.75 MAX	0.069 MAX

Figure 6 — Shielded device connector

where or what is the shield

doANS SCSI-3 Parallel Interface

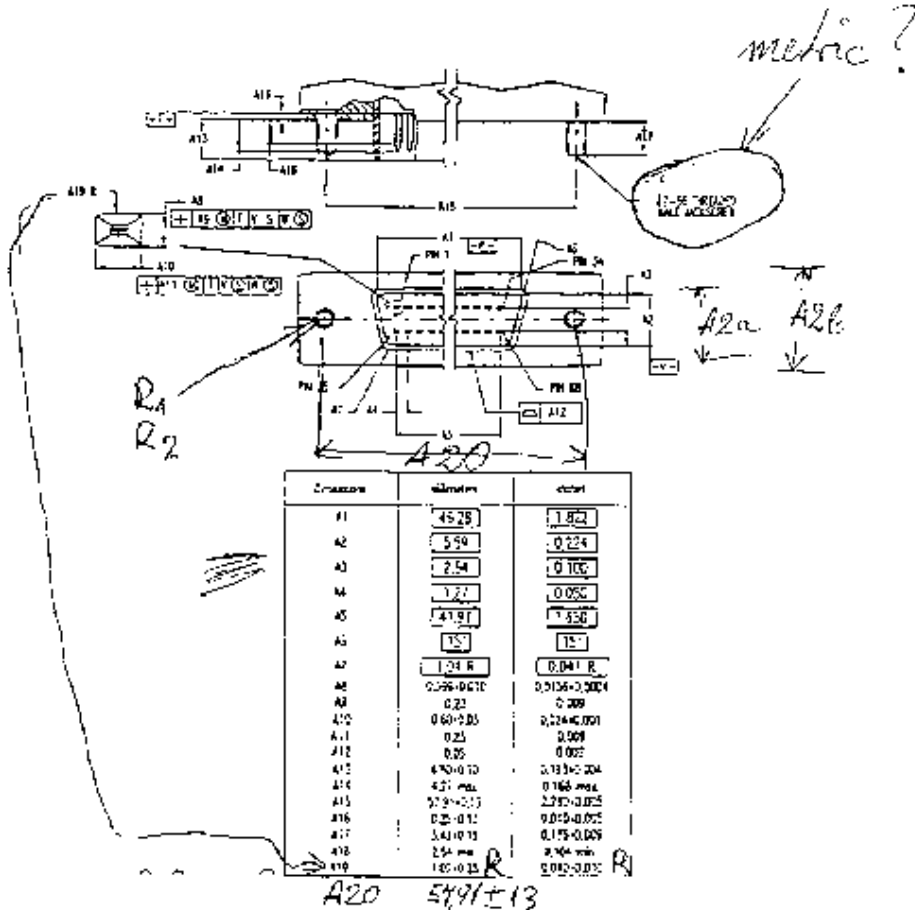


Figure 7 - Shielded mating connector

5.3 Connector contact assignments

The connector contact assignments are defined in 5.3.1 and 5.3.2. The signals are defined in 6.1. The items under signal name labels TERMPWR, TERMPWRQ, and RESERVED are not signals and are not required to meet the cable characteristics for signals in clause 6.1. See 5.2 for characteristics of TERMPWR and TERMPWRQ. See 5.3 for characteristics of RESERVED lines.

The French Committee casts a positive vote on the above mentioned document and submits the following reasons:

It should be correct to refer to IEC standardised cables or to launch a NWIP toward IEC SC 46C rather to specify national cables AWG dimensions.

Annex D describes very specific measurements. Are these measurements really needed for this application. Could not we use test methods as defined in IEC 1156?

Comments of the German National Body to accompany the vote on document
ISO/IEC JTC 1/SC 25 N 262

The German National Body submit the following comments concerning the general structure of SCSI-3 documents as well as technical (DE 8) and editorial improvements.

- DE 1 Document number: This document will become part of the standards series on SCSI-3. For the benefit of the users (i.e. JTC 1's customers) we request that the principles of numbering of multipart International Standards be applied. SC 25 and its relevant WG 4 should establish an appropriate structure of the set of SCSI-3 standards and develop a "roadmap", which is to become a "general part" of the Introduction of any published standard (see DE 3 and DE 4).
- DE 2 Abstract on unnumbered page:
- a) ISO/IEC standards do not have an Abstract, therefore delete this paragraph.
 - b) The contents is very similar to the text in the Scope and should be merged into the latter.
 - c) amend 1st line: "This International Standard ..."
 - d) 2nd line: replace "the SCSI-3 Interlocked Protocol Standard" by the relevant document number (ISO/IEC nnnn-yy)
- DE 3 page v: The standard foreword for JTC 1 standards is required here. The first paragraph should be moved to the Introduction on page vi, paragraphs 2 to 4 are to be deleted.
- DE 4 page vi: As mentioned in DE 1, the Introduction should be structured to give
- a) a general overview to the series of SCSI-3 standards (text plus roadmap figure, see e.g. document SC 25 N 267)
 - b) general information on this part of the series (see DE 3)
 - c) the document structure (as given in this draft).
- DES clause 1, 1st line: "This International Standard..." (Global change!)
- DE 6 Text starting with "Figure 1 shows ..." to be included into revised introduction (see DE 4)
- DE 7 clause 2: Replace any references to national standards by reference to the relevant International Standards (or envisaged standards) (Global change) e.g. replace "EIA/TIA RS 485" by "ISO/IEC 8482:1993".

delete ISO/FEC DIS 10258 and ANSI X3.131-1994 (have been published as ISO/IEC 9316:1995).

DES page 4, 3.1.17: change "... (1,3,5 or7) ..." to "(1,3,5,7 or9) "since 8 asserted data bits require an asserted parity bit for odd parity.

DE 9 page 5: Delete AWG (use SI-Units only)

DE 10 page 8; clause 5 d): reference to IEC 68 series required instead of ASTM 8827 DE 11
page 8, 5.2, 3rd paragraph: "...2-56 is unclear. delete "inch-pounds"

DE 12 figures 4 to 7: several items need to be clarified/amended, see handwritten comments on attached copies (4 pages).

DE 13 page 17, 6.1, 2nd paragraph: Conversion of 30 AWG to 0,050 92 is carried out with too much precision. There are standardised tables of square areas for wire conductors which should be used here. There should be no space within decimal fractions (Global change).

-2-

DE 14 page 25, 2nd line:"... represents a negated signal...

DE 15 page 27, Table 9:
- replace "SCSI bus phase" by "SCSI Service" (see 10,10.1. et al)
- replace "ARBITRATION" by "SELECTION REQUEST" (see 10.3.1)
there is not SETUP phase or service-therefore delete line "SETUP"
- align tabs in lower part

DE 16 Clause 9,1st paragraph,
line 5:"... parallel interfaces."
2nd paragraph: clarify reference "(see x::o:)"
3rd and 4th paragraph, "REQ/ACK offset greater than zero": see 10.11.2
5th paragraph "REQ/ACK offset of zero": see 10.11.2

DE 17 page 40, 10.11; 2nd line: delete 1st "by"

DE 18 last paragraph on page 41: This is the only complete explanation of the term "REQ/ACK offset". It should become a subclause on its own and should be referenced on other occurrences in the text (see DE 16). It should be listed on page 79 in the index.

DE 19 page 43 c), 2nd sentence: "... shall not start a new..."

DE 20 page 48, Table B.1: "7.2 us" -> "7,2 us".

DE 21 General editorial: Further improvements to the presentation are necessary in order to comply with ISO/IEC Directives Part 3 (E.g. avoid hanging clauses).
Japan's Comments on SC25 N262

Title: CD xxxx-9, Information Technology -
Small Computer System Interface (SCSI-3) Part 9: Parallel Interface(SPI)

The National Body of Japan approves ISO/IEC JTC1/SC25 N262 with the following comments.

1. Title. (General)

"Information Technology - Small Computer System Interface (SCSI-3)" should be
"Information Technology - Small Computer System Interface-3"

2. P.1, 2nd line from bottom. Editorial)

"X3.131-1986" should be "ISO/IEC 9316-1989".

3. P.1, 1st line from bottom. Editorial)

"X3. 131-1994" should be "ISO/IEC 9316-1995".

4. P.3, 18th line. Editorial)

"ISO/FEC DIS 10288" should be "ISO/IC DIS 10288".

The U.S. member body votes YES with comments on ISO/IEC C JTC 1/SC 25 N 262 CD xxxx-9 SPI Revision I5A. The comment notes defects in Annexes B and D along with editorial changes to the drafting standard and the RESELECT requirement. The U.S. technical experts will draft proposed change pages for these defects and submit them to the ISO/IEC JTC 1/SC 25/WG 4 Secretariat for discussion and resolution at the June meeting.