

SEMI T4-0301 (Reapproved 1213) SPECIFICATION FOR 150 mm AND 200 mm POD IDENTIFICATION DIMENSIONS

This Standard was technically approved by the Traceability Global Technical Committee. This edition was approved for publication by the global Audits and Reviews Subcommittee on August 22, 2013. Available at www.semiviews.org and www.semi.org in December 2013; originally published in 1995; previously published March 2007.

NOTICE: This Document was reapproved with minor editorial changes.

1 Purpose

1.1 The purpose of this Specification is to ensure dimensional compatibility when mounting pod identification tags and tag identification devices.

2 Scope

2.1 The scope of this Specification is to define:

- free space at a pod to allow the mounting of a pod identification tag, and
- free space to allow data transmission.

2.2 This Specification is applicable to 150 mm and 200 mm Standard Mechanical Interfaces (SEMI E19). The space required for pod handling per SEMI E47 is considered.

NOTICE: SEMI Standards and Safety Guidelines do not purport to address all safety issues associated with their use. It is the responsibility of the users of the Documents to establish appropriate safety and health practices, and determine the applicability of regulatory or other limitations prior to use.

3 Limitations

3.1 This Specification applies to pod identification only.

4 Referenced Standards and Documents

4.1 *SEMI Standards and Safety Guidelines*

SEMI E15 — Specification for Tool Load Port

SEMI E19 — Standard Mechanical Interface (SMIF)

SEMI E47 — Specification for 150 mm/200 mm Pod Handles

NOTICE: Unless otherwise indicated, all documents cited shall be the latest published versions.

5 Terminology

5.1 Definitions

5.1.1 *pod* — a box having a Standard Mechanical Interface (SMIF) per SEMI E19.

5.1.2 *pod identification tag* — information carrier mounted to a pod.

5.1.3 *Standard Mechanical Interface (SMIF)* — interface plane between pod and another minienvironment per SEMI E19.

5.1.4 *tag identification device* — device for transferring information from/to a pod identification tag.

6 Requirements

6.1 The defined free space for a pod identification tag (see Figure 1) may not be used by any other device than the pod identification tag and its supports.

6.1.1 The pod identification tag and its supports may not exceed the outline of the defined free space for a pod identification tag (see Related Information ¶ R1-1.1).

6.2 The defined free space for data transmission (see Figure 1) may only be used by the tag identification device if necessary (see Related Information § R1-1.2).

Table 1 Dimensions of Defined Free Space

<i>Dimension</i>	<i>150 mm SMIF</i>	<i>200 mm SMIF</i>
A1	130 mm	167.5 mm
A2	160 mm min. 180 mm recommended	207.5 mm min. 227.5 mm recommended
A3	70 mm	70 mm
B1	36 mm	36 mm
B2	43 mm	43 mm
B3	120 mm	120 mm

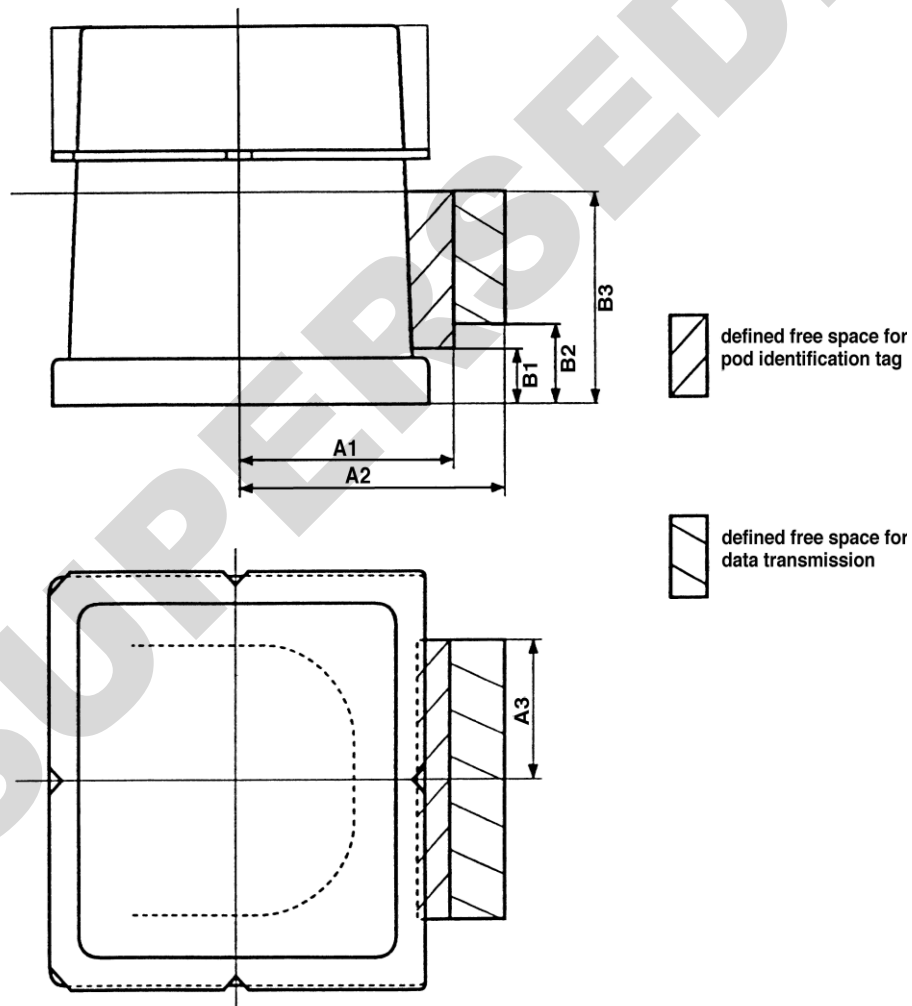


Figure 1