

STANDARD PROCEDURES AND PRACTICES

Number: **SPP-003, Issue C**

Subject: **Metrication**

Effective date: **March 2006**

Item Number: **11.2-740(S)**

BACKGROUND

On September 26, 1989, the JEDEC Council approved the JC-11 metrication policy which became effective on January 1, 1992. Previous revisions of this SPP attempted to establish definitions and implementation procedures for using hard and soft metric dimensions and tolerances. This revision prohibits the use of soft metric dimensions except where permitted below.

PRACTICE

Unless specifically permitted under Application Information below, all registered and standard outlines for new package families submitted for ballot to JC-11 shall use hard metric dimensions and tolerances.

APPLICATION INFORMATION

Hard Metric is defined as a metric (millimeter - mm) dimension that has two or three significant decimal places (e.g., 0.XX or 0.XXX). The second or third significant place is restricted to either a "five" or a "zero" (e.g., 0.65 or 0.80 mm). Three significant decimal places may be used for: derivative packages (see below), terminal width, terminal thickness, plating thickness, lead bend radii, coplanarity tolerances and lead position tolerances. Such usages are necessary to ensure dimensioning and tolerancing accuracy. This metrication policy permits the continuation of existing package families to be dimensioned in the inch or soft metric system. The term continuation applies only to variation(s) added to an existing outline, and new derivative package families that utilize the same mating features (e.g., PWB footprint, socket or tray) as an existing outline. All other new outlines are required to use hard metric dimensions and tolerances exclusively. This policy concurs with Executive Order 12770, metric usage in federal government programs, July 5, 1991.

Initial Issue:A	Date:March 1995	Item number:11.2-381S
Issue: B	Date: February 1998	Item number: 11.2-432S

Change Record History

Issue: C	Date:March 2006	Item Number:11.2-740S
Description of Changes		
Change wording to include low pin count packages in the metrication of new outlines.		