

## **RATIFICACIÓN DE DOCUMENTOS EUROPEOS ABRIL 2013**

### HOJA DE ANUNCIO

En cumplimiento del punto 11.2.6.4 de las Reglas Internas de CEN/CENELEC Parte 2, se ha otorgado el rango de norma española al Documento Europeo siguiente:

<b>Documento Europeo</b>	<b>Título</b>	<b>Fecha de Disponibilidad</b>
EN 60191-6-22:2013	Normalización mecánica de dispositivos semiconductores. Parte 6-22: Reglas generales para la preparación de los diseños de los paquetes de dispositivos semiconductores de montaje en superficie. Guía de diseño para paquetes de semiconductores de matriz de rejilla de bolas de paso fino de silicio y matriz de rejilla de tierra de paso fino de silicio (S-FBGA y S-FLGA). (Ratificada por AENOR en abril de 2013.)	2013-03-15

Este anuncio causará efecto a partir del primer día del mes siguiente al de su publicación en la revista UNE. La correspondiente versión oficial de este documento se encuentra disponible en la sede de AENOR, Calle Génova 6, 28004 MADRID.

**Mechanical standardization of semiconductor devices -  
Part 6-22: General rules for the preparation of outline drawings of surface  
mounted semiconductor device packages -  
Design guide for semiconductor packages Silicon Fine-pitch Ball Grid  
Array and Silicon Fine-pitch Land Grid Array (S-FBGA and S-FLGA)  
(IEC 60191-6-22:2012)**

Normalisation mécanique des dispositifs à  
semiconducteurs -  
Partie 6-22: Règles générales pour la  
préparation des dessins d'encombrement  
des dispositifs à semiconducteurs à  
montage en surface -  
Guide de conception pour les boîtiers  
matriciels à billes et à pas fins en silicium  
et boîtiers matriciels à zone de contact  
plate et à pas fins en silicium  
(S-FBGA et S-FLGA)  
(CEI 60191-6-22:2012)

Mechanische Normung von  
Halbleiterbauelementen -  
Teil 6-22: Allgemeine Regeln für die  
Erstellung von Gehäusezeichnungen von  
SMD-Halbleitergehäusen -  
Konstruktionsleitfaden für  
Halbleitergehäuse Si-Feinraster-Ball-Grid-  
Array und Si-Feinraster-Land-Grid-Array  
(S-FBGA und S-FLGA)  
(IEC 60191-6-22:2012)

This European Standard was approved by CENELEC on 2013-01-15. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 47D/812/CDV, future edition 1 of IEC 60191-6-22, prepared by SC 47D, "Semiconductor packaging", of IEC TC 47, "Semiconductor devices" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60191-6-22:2013.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-10-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-01-15

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

## Endorsement notice

The text of the International Standard IEC 60191-6-22:2012 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60191-6	NOTE	Harmonized as EN 60191-6.
IEC 60191-6-5	NOTE	Harmonized as EN 60191-6-5.
IEC 60191-6-12	NOTE	Harmonized as EN 60191-6-12.