



BSI Standards Publication

Fibre optic active components and devices — Package and interface standards

Part 21: Design guidelines of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA)

National foreword

This British Standard is the UK implementation of EN IEC 62148-21:2021. It is identical to IEC 62148-21:2021. It supersedes BS EN IEC 62148-21:2019, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/86/3, Fibre optic systems and active devices.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

**Fibre optic active components and devices - Package and
interface standards - Part 21: Design guidelines of electrical
interface of PIC packages using silicon fine-pitch ball grid array
(S-FBGA) and silicon fine-pitch land grid array (S-FLGA)
(IEC 62148-21:2021)**

Composants et dispositifs actifs fibroniques - Normes de
boîtier et d'interface - Partie 21: Lignes directrices de
conception de l'interface électrique des boîtiers PIC utilisant
des boîtiers matriciels à billes et à pas fins en silicium (S-
FBGA) et des boîtiers matriciels à zone de contact plate et
à pas fins en silicium (S-FLGA)
(IEC 62148-21:2021)

Aktive Lichtwellenleiterbauelemente und Geräte - Gehäuse-
und Schnittstellennormen - Teil 21: Konstruktionsleitfaden
für elektrische Schnittstellen von PIC-Gehäusen mit Si-
Feinraster-Ball-Grid-Array (S-FBGA) und Si-Feinraster-
Land-Grid-Array (S-FLGA)
(IEC 62148-21:2021)

This European Standard was approved by CENELEC on 2021-05-27. 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 86C/1684/CDV, future edition 2 of IEC 62148-21, prepared by SC 86C "Fibre optic systems and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62148-21:2021.

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) 2022-02-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-05-27

This document supersedes EN IEC 62148-21:2019 and all of its amendments and corrigenda (if any).

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

Endorsement notice

The text of the International Standard IEC 62148-21:2021 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 60191-6-22	NOTE	Harmonized as EN 60191-6-22
IEC 62148-1	NOTE	Harmonized as EN IEC 62148-1
IEC 62148-19	NOTE	Harmonized as EN IEC 62148-19

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-731	-	International Electrotechnical Vocabulary - Chapter 731: Optical fibre communication	-	-
IEC/TR 61931	-	Fibre optic - Terminology	-	-

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