

Fibre optic active components and devices - Package and interface standards - Part 21: Design guide of electrical interface of PIC packages using Silicon Fine-pitch Ball Grid Array (S-FBGA) and Silicon Fine-pitch Land Grid Array (S-FLGA)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 62148-21:2019 sisaldab Euroopa standardi EN IEC 62148-21:2019 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 62148-21:2019 consists of the English text of the European standard EN IEC 62148-21:2019.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 03.05.2019.	Date of Availability of the European standard is 03.05.2019.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

Fibre optic active components and devices - Package and interface standards - Part 21: Design guide 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 62148-21:2019)

Composants et dispositifs actifs fibroniques - Normes de boîtier et d'interface - Partie 21: Guide 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 62148-21:2019)

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 62148-21:2019)

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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/1571/FDIS, future edition 1 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 62148-21:2019.

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) 2020-01-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-04-15

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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 62148-19¹ NOTE Harmonized as EN IEC 62148-19²

¹ Under preparation. Stage at the time of publication: IEC/TFDIS 62148-19:2018.

² Under preparation. Stage at the time of publication: FprEN IEC 62148-19:2019.

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	-	-

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	5
4 Terminal position numbering.....	6
5 Code of package nominal dimensions.....	6
6 Symbols and drawings.....	6
7 Dimensions and tolerances.....	8
Bibliography.....	13
Figure 1 – S-FBGA and S-FLGA outline	7
Figure 2 – Mechanical gauge drawing.....	8
Figure 3 – Array of terminal-existence areas.....	8
Table 1 – Dimensions and tolerances	9
Table 2 – Combination list of D, E, M_D , and M_E for $e = 0,30$ mm pitch S-FBGA (informative)	11
Table 3 – Combination list of D, E, M_D , and M_E for $e = 0,25$ mm pitch S-FLGA	12

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
PACKAGE AND INTERFACE STANDARDS –****Part 21: Design guide of electrical interface of PIC
packages using silicon fine-pitch ball grid array (S-FBGA)
and silicon fine-pitch land grid array (S-FLGA)**

FOREWORD

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International Standard IEC 62148-21 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
86C/1571/FDIS	86C/1577/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62148 series, published under the general title *Fibre optic active components and devices – Package and interface standards*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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