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Descrizione fisica	1 online resource (600 p.)
Altri autori (Persone)	NeriA (Alessandro)
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Soggetti	Medical instruments and apparatus - Design and construction Electrocardiography Electronic books.
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	System engineering -- Concepts and requirements -- Biomedical engineering design -- Signal processing and estimation -- Applied electronics -- Medical software -- C-health -- Certification process.
Sommario/riassunto	This book explains all of the stages involved in developing medical devices; from concept to medical approval including system engineering, bioinstrumentation design, signal processing, electronics, software and ICT with Cloud and e-Health development. Medical Instrument Design and Development offers a comprehensive theoretical background with extensive use of diagrams, graphics and tables (around 400 throughout the book). The book explains how the theory is translated into industrial medical products using a market-sold Electrocardiograph disclosed in its design by the Gamma Cardio