

1. Record Nr.	UNINA9910438322803321
Autore	Day John <1944->
Titolo	Automotive E/E reliability : strategies for keeping pace in a feature-rich world // by John Day
Pubbl/distr/stampa	Warrendale, Pa. (400 Commonwealth Dr., Wallendale PA USA) : , : Society of Automotive Engineers, , c2012 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2011]
ISBN	0-7680-8882-8
Descrizione fisica	1 online resource (xii, 69 pages) : illustrations
Collana	Society of Automotive Engineers. Electronic publications.
Disciplina	629.272
Soggetti	Automobiles - Electric equipment - Reliability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Automotive E/E drivers -- Growing market demand for automotive E/E components and systems -- Improving vehicle reliability -- Changing "metal benders" mindset -- Components and connectors -- The automotive E/E design chain -- Defining and managing application requirements -- Simulation and verification tools and techniques -- Collaborative efforts -- Automotive E/E industry standards -- Looking ahead.
Sommario/riassunto	Electrical and electronic reliability is a critical issue for automakers and suppliers as well as car buyers and dealers. The burden of reliability falls most heavily on automotive E/E engineers, system and software developers, component suppliers, and tools vendors. This book explores ways that the automotive industry continues to add E/E features while maintaining if not improving overall reliability. Author John Day interviewed nearly 50 experts on all facets of E/E systems and reliability during preparation of this manuscript. In addition, he culled information from press releases and presentations. He synthesized a massive amount of information and data into an easy-to-digest manuscript that gives a clear picture of the current state of E/E reliability and where the technology it is headed.