

## MOSFET Cross Reference Guide

Industry Part Number	Recommended Fairchild Device	Package
2N7000	2N7000	TO-92, N
2N7002	2N7002	SOT-23, N
BS-170	BS-170	TO-92, N
BS270	BS270	TO-92, N
BSS100	BSS100	TO-92, N
BSS110	BSS110	TO-92, P
BSS123	BSS123	SOT-23, N
BSS138	BSS138	SOT-23, N
BSS84	BSS84	SOT-23, P
IRF1010E	NDP7061L	TO-220, N
IRF1010N	NDP7060L	TO-220, N
IRF1104	NDP7052L	TO-220, N
IRF1310N	NDP710A	TO-220, N
IRF1310S	NDB710A	TO-263, N
IRF2807	NDP706A	TO-220, N
IRF2807S	NDB408A	TO-263, N
IRF3205	NDP7052L	TO-220, N
IRF3710	NDP710A	TO-220, N
IRF510	NDP410A	TO-220, N
IRF520	NDP410A	TO-220, N
IRF520N	NDP510A	TO-220, N
IRF520S	NDB410A	TO-263, N
IRF530	NDP510A	TO-220, N
IRF530N	NDP510A	TO-220, N
IRF540	NDP610A	TO-220, N
IRF540N	NDP710A	TO-220, N
IRF540S	NDP610A	TO-220, N
IRF7101	NDS9956A	SO-8, Dual N
IRF7102	NDS9959	SO-8, Dual N
IRF7103	NDS9955	SO-8, Dual N
IRF7104	NDS9953A	SO-8, Dual P
IRF7105	NDS9952A	SO-8, Comp N/P
IRF7106	NDS9958	SO-8, Comp N/P
IRF7107	NDS9958	SO-8, Comp N/P
IRF7201	FDS6612A	SO-8, N
IRF7202	NDS9400A	SO-8, P

Industry Part Number	Recommended Fairchild Device	Package
IRF7203	FDS9435A	SO-8, P
IRF7204	NDS8434A	SO-8, P
IRF7205	FDS9435A	SO-8, P
IRF7206	FDS9435A	SO-8, P
IRF7301	FDS8926A	SO-8, Dual N
IRF7303	FDS6600A	SO-8, Dual N
IRF7304	FDS8934A	SO-8, Dual P
IRF7306	FDS8947A	SO-8, Dual P
IRF7307	FDS8928A	SO-8, Comp N/P
IRF7309	FDS8958A	SO-8, Comp N/P
IRF7311	FDS8926A	SO-8, Dual N
IRF7313	FDS8912A	SO-8, Dual N
IRF7314	FDS8934A	SO-8, Dual P
IRF7316	FDS8947A	SO-8, Dual P
IRF7317	FDS8928A	SO-8, Comp N/P
IRF7319	FDS8958A	SO-8, Comp N/P
IRF7389	FDS8958A	SO-8, Comp N/P
IRF7401	NDS8426A	SO-8, N
IRF7403	FDS6612A	SO-8, N
IRF7404	NDS8434A	SO-8, P
IRF7406	FDS9435A	SO-8, P
IRF7413	FDS6600A	SO-8, N
IRF7413A	FDS6600A	SO-8, N
IRF7416	NDS8435A	SO-8, P
IRF7501*	NDH8301N	Micro8, Dual N
IRF7503*	NDH8303N	Micro8, Dual N
IRF7504*	NDH8302P	Micro8, Dual P
IRF7506*	NDH8304P	Micro8, Dual P
IRF7507*	NDH8320C	Micro8, Comp N/P
IRF7509*	NDH8320C	Micro8, Comp N/P
IRF7601*	NDH831N	Micro8, N
IRF7603*	NDH8436	Micro8, N
IRF7604*	NDH830P	Micro8, P
IRF7605	NDH8447	Micro8, P
IRF7805	FDS6600A	SO-8, N
IRF7807	FDS6612A	SO-8, N

**Note:**

\* SuperSOT-8 footprint not equal to TSSOP-8

# Fairchild Mosfet Reference Guide

**O García**



## **Fairchild Mosfet Reference Guide:**

**The COMPLETE Fairchild Semiconductor Cross Reference Guide**, 1977 *Robust Electronic Design Reference Book: no special title* John R. Barnes, 2004 If you design electronics for a living you need Robust Electronic Design Reference Book Written by a working engineer who has put over 115 electronic products into production at Sycor IBM and Lexmark Robust Electronic Design Reference covers all the various aspects of designing and developing electronic devices and systems that Work Are safe and reliable Can be manufactured tested repaired and serviced May be sold and used worldwide Can be adapted or enhanced to meet new and changing requirements Current Sources and Voltage References Linden T. Harrison, 2005-08-22 Current Sources and Voltage References provides fixed well regulated levels of current or voltage within a circuit These are two of the most important building blocks of analog circuits and are typically used in creating most analog IC designs Part 1 shows the reader how current sources are created how they can be optimized and how they can be utilized by the OEM circuit designer The book serves as a must have reference for the successful development of precision circuit applications It shows practical examples using either BJTs FETs precision op amps or even matched CMOS arrays being used to create highly accurate current source designs ranging from nanoAmps to Amps In each chapter the most important characteristics of the particular semiconductor type being studied are carefully reviewed This not only serves as a helpful refresher for experienced engineers but also as a good foundation for all EE student coursework and includes device models and relevant equations Part 2 focuses on semiconductor voltage references from their design to their various practical enhancements It ranges from the simple Zener diode to today s most advanced topologies including Analog Devices XFET and Intersil s FGATM invented while this book was being written Over 300 applications and circuit diagrams are shown throughout this easy to read practical reference book Discusses how to design low noise precision current sources using matched transistor pairs Explains the design of high power current sources with power MOSFETs Gives proven techniques to reduce drift and improve accuracy in voltage references Power Electronics and Control Techniques for Maximum Energy Harvesting in Photovoltaic Systems Nicola Femia, 2017-07-12 Incentives provided by European governments have resulted in the rapid growth of the photovoltaic PV market Many PV modules are now commercially available and there are a number of power electronic systems for processing the electrical power produced by PV systems especially for grid connected applications Filling a gap in the literature Power Electronics and Control Techniques for Maximum Energy Harvesting in Photovoltaic Systems brings together research on control circuits systems and techniques dedicated to the maximization of the electrical power produced by a photovoltaic PV source Tools to Help You Improve the Efficiency of Photovoltaic Systems The book supplies an overview of recent improvements in connecting PV systems to the grid and highlights various solutions that can be used as a starting point for further research and development It begins with a review of methods for modeling a PV array working in uniform and mismatched conditions The book then discusses several ways to achieve the best maximum

power point tracking MPPT performance A chapter focuses on MPPT efficiency examining the design of the parameters that affect algorithm performance The authors also address the maximization of the energy harvested in mismatched conditions in terms of both power architecture and control algorithms and discuss the distributed MPPT approach The final chapter details the design of DC DC converters which usually perform the MPPT function with special emphasis on their energy efficiency Get Insights from the Experts on How to Effectively Implement MPPT Written by well known researchers in the field of photovoltaic systems this book tackles state of the art issues related to how to extract the maximum electrical power from photovoltaic arrays under any weather condition Featuring a wealth of examples and illustrations it offers practical guidance for researchers and industry professionals who want to implement MPPT in photovoltaic systems *IC Master* ,2000

**EDN, Electrical Design News** ,2003 *Electronic Design* ,1998 **Smart Systems Integration and Simulation**

Nicola Bombieri,Massimo Poncino,Graziano Pravadelli,2016-02-17 This book presents new methods and tools for the integration and simulation of smart devices The design approach described in this book explicitly accounts for integration of Smart Systems components and subsystems as a specific constraint It includes methodologies and EDA tools to enable multi disciplinary and multi scale modeling and design simulation of multi domain systems subsystems and components at all levels of abstraction system integration and exploration for optimization of functional and non functional metrics By covering theoretical and practical aspects of smart device design this book targets people who are working and studying on hardware software modelling component integration and simulation under different positions system integrators designers developers researchers teachers students etc In particular it is a good introduction to people who have interest in managing heterogeneous components in an efficient and effective way on different domains and different abstraction levels People active in smart device development can understand both the current status of practice and future research directions Provides a comprehensive overview of smart systems design focusing on design challenges and cutting edge solutions Enables development of a co simulation and co design environment that accounts for the peculiarities of the basic subsystems and components to be integrated Describes development of modeling and design techniques methods and tools that enable multi domain simulation and optimization at various levels of abstraction and across different technological domains Power Data Book Fairchild (Firm),1986 Radio-electronics ,1980 **Popular Electronics** ,1977 **EDN.**

,1987 **Voltage Regulators for Next Generation Microprocessors** Toni López,Reinhold Elferich,Eduard Alarcón,2010-12-01 This book deals with energy delivery challenges of the power processing unit of modern computer microprocessors It describes in detail the consequences of current trends in miniaturization and clock frequency increase upon the power delivery unit referred to as voltage regulator This is an invaluable reference for anybody needing to understand the key performance limitations and opportunities for improvement from both a circuit and systems perspective of state of the art power solutions for next generation CPUs **Guidebook of Electronic Circuits** John Markus,1974

Contains more than thirty six hundred recently published circuit diagrams together with information on component values performance and applications

*Thermal Energy* Yatish T. Shah,2018-01-12 The book details sources of thermal energy methods of capture and applications It describes the basics of thermal energy including measuring thermal energy laws of thermodynamics that govern its use and transformation modes of thermal energy conventional processes devices and materials and the methods by which it is transferred It covers 8 sources of thermal energy combustion fusion solar fission nuclear geothermal microwave plasma waste heat and thermal energy storage In each case the methods of production and capture and its uses are described in detail It also discusses novel processes and devices used to improve transfer and transformation processes

*Machine Design* ,1987      **OBSO1ESCENCE** ,1969      **Electronics World** ,1966 Some issues Aug 1943 Apr 1954 are called Radio electronic engineering ed called in 1943 Radionics ed which include a separately paged section Radio electronic engineering varies v 1 no 2 v 22 no 7 issued separately Aug 1954 May 1955

American Journal of Physics ,1975      *Fairchild Semiconductor* Fairchild (Firm),1997

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a tension leg platform tlp or extended tension leg platform etlp is a vertically moored floating structure normally used for the offshore production of oil or gas and is particularly suited for water depths greater than 300 metres about 1000

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tension leg platforms tlps are floating platforms that combine the buoyancy forces generated by displacement resulting from the draft submerged part of the hull with the tensile forces generated by tubular cables connected to the hull and anchored on the seabed

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