



附赠数字化查询光盘



# 最新常用 液晶电视集成块 速查手册

《最新常用液晶电视集成块速查手册》编写组 编

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 机械工业出版社  
CHINA MACHINE PRESS

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本书主要介绍液晶电视(LCD、LED)中常用的各类集成块的引脚号排列顺序、引脚代码、引脚功能、通用数据(包括供电电源、开路电阻)、内部框图、实物封装图、参考应用电路等内容。全书按集成块型号的字码递增顺序进行编排,采用表格形式,每一个集成块分为引脚号、引脚代码、引脚功能、主要技术参数、备注(用途、内部框图、实物封装、参考应用电路等特殊说明项)五栏。全书涉及各类液晶电视集成块共800多个。本书内容全面,配有数字化查询光盘,查阅简单,是一本全面、实用、图文并茂的液晶电视集成电路专用工具书。

本书可供液晶电视维修、养护、售后服务,以及元器件销售、实验等人员作为随身手册,也可供技师学院师生及电子技术爱好者查阅参考。

## 图书在版编目(CIP)数据

最新常用液晶电视集成块速查手册/《最新常用液晶电视集成块速查手册》编写组编. —北京:机械工业出版社,2015.8

ISBN 978-7-111-50426-9

I. ①最… II. ①最… III. ①液晶电视机—集成电路—技术手册  
IV. ①TN949.192-62

中国版本图书馆CIP数据核字(2015)第120440号

机械工业出版社(北京市百万庄大街22号 邮政编码100037)

策划编辑:牛新国 责任编辑:牛新国

版式设计:霍永明 责任校对:张晓蓉 张薇

封面设计:鞠杨 责任印制:乔宇

北京铭成印刷有限公司印刷

2015年11月第1版第1次印刷

169mm×239mm·49.5印张·1024千字

0001—2300册

标准书号:ISBN 978-7-111-50426-9

ISBN 978-7-89405-894-2(光盘)

定价:99.00元(含1DVD)

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# 前 言

CRT 电视退市后，液晶电视的普及率越来越高，液晶电视芯片级维修的市场保有量也越来越大，对集成块资料的查阅需求量很大，为了给广大读者提供全面实用的液晶电视各类集成块的参考资料，本书收集了众多品牌液晶电视的常用和专用集成电路技术资料并汇编成册，延续已出版集成块速查手册的写作风格，呈现给广大读者液晶电视既新又全的集成块实用技术资料。

与 CRT 电视相比，液晶电视大多采用新型集成电路，液晶电视的新型集成电路层出不穷，广大芯片级维修人员对集成电路资料的查询需求较大。本书对液晶电视厂家的原始资料进行翻译和编写，既体现了液晶电视集成电路的引脚功能、用途、内部框图、实物图，又体现了液晶电视集成电路的应用参考电路图等实用性很强的内容，还着重介绍了部分液晶彩电机型的工作电流、电压、电阻等实测数据。全书既体现全面和直观，又突出重点和实用，呈现给广大读者液晶电视既新又全的集成块实用技术资料。

值得指出的是，本书所选用的集成块的特征参数是元器件本身所固有的通用技术参数，由于资料来源复杂，许多资料都是英文资料翻译过来的，同一个集成电路的资料有时有很多版本，因此工作量很大，所有的集成电路无法一一实测，可能与实测值存在差异，仅供读者参考。所选用的代换型号大多是近似置换，具体使用时应根据引脚分布、体积大小、接地端子、频率特性、温度特性等具体情况参照使用。

需要说明的是，为方便读者维修时查找的资料保持原汁原味，本书严格保持各内部框图和参考应用电路图的原貌，图中所有图形符号和文字符号并未按国家标准作修改处理。例如，表示小容量电容器容量的 0.01、0.1、0.01 $\mu$ F、0.01U、0.01 $\mu$ 、10n、103 均为 0.01 $\mu$ F，100、100P、100p 均为 100pF；表示电解电容器容量的 4.7、4 $\mu$ 7、4.7 $\mu$ F、4.7U、4.7 $\mu$  均为 4.7 $\mu$ F；表示电阻器电阻值的 2k2、2K2、2.2K 均为 2.2k $\Omega$ ，100、100R 均为 100 $\Omega$ ；表示电感器电感量的 4 $\mu$ 7、4.7U、4.7 $\mu$ H 均为 4.7 $\mu$ H，等等。这点请广大读者注意。

关于引脚名称，需要说明的是，内部框图和参考应用电路图中有时用的是全称，而表中则用的是对应的简称。

本书编写组成员主要有张新德、刘淑华、张新春、张美兰、彭玉梅、张云坤、刘晔、陈金桂、张健梅、张利平、罗小姣、王娇、刘桂华、周志英、王光玉、刘玉

华、王 灿、刘玉辉、雷永建、袁文初、张容徠、张新衡、张冬生、张玉兰、张泽宁、李碧辉、张芙蓉、梁红梅、张新平、胡红娟、刘运和、刘爱生、胡清华、陈金燕、张桂生、陈秋玲、刘文初、陆峰，此外，还有其他为本书提供短期协助的同行，在此不再一一列举并谨表谢意！由于集成电路数量繁多、资料来源复杂，参编人员众多，工作量较大，疏漏和错误之处在所难免，凡有错漏之处，敬请读者不吝赐教，以待我们重印时修正！

**本书编写组**

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