

IC
DATA
BOOK

集成电路资料手册

修订版

李建兴 主编

科教图书出版社



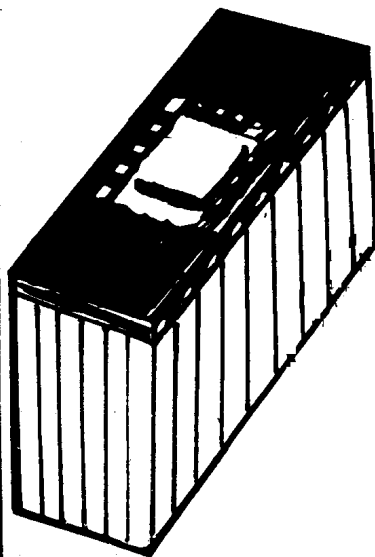
DATA

BOOK

修訂版

主編者

李建興



PART 1

DIGITAL (TTL)

PART 2

DIGITAL (ECL)

PART 3 COS/MOS.

PART 4 SPECIAL FUNCTION.

PART 5 LINEAR.

科教圖書出版社印行

IC DATA BOOK

修訂版

行政院新聞局局版台業字第 1921 號

主編者：李建興

出版者： 科教圖書出版社

社址：台北市漢口街一段八號三樓

電話：3138982

發行者： 周杰之

印刷者： 洽成製本有限公司

地址：台北市柳州街 159 號

電話：3069661

總經銷： 科技圖書有限公司

地址：台北市博愛路 185 號

電話：3110953 郵撥：15697

特價：1200元

中華民國七十年七月修訂版

編輯大意

目前積體電路(IC)製造工廠皆備有其產品資料手冊，且種類繁多，使得電子從業人員須準備許多IC資料手冊，以應付各種廠牌產品之查閱，鑑於此，於是搜集國內電子界常用且實用之IC元件，將其歸納為五大部份，以協助電子工程人員，使用IC元件時，能有所助益。

本IC手冊五大部份主要内容概述如下：

第一部份數位TTL(電晶體—電晶體邏輯)，本部份以德州儀器(Texas Instruments)TTL 74 (商用) 54 系列(軍用)，詳盡介紹，74/54系列之真值表、時序、電路特性及使用指導，並附上對換表，將各不同廠商之產品互換詳細列表。

第二部份以數位ECL(射極耦合邏輯)為主，ECL為數位族中速度最快的IC，其普遍應用於高頻儀表電路，本部份中將詳盡為您介紹ECL何以能工作於高速度及其工作電壓之範圍，電路內容及電氣參數，一般應用於高級儀表方面，如計數器、除頻器等。

第三部份以RCA廠商所提供之金—氧—半場效電晶體(MOS)及互補對稱金—氧—半場電晶體(COS)為主，COS/MOS邏輯廣泛被儀表界及工業界所使用，主要其特點為電源電壓範圍廣，一般A系列可達3V到12V，B系列範圍更大可達3V至18V，且消耗功率非常低，為繼TTL後所發展的邏輯IC族。

第四部份，為本書包括最廣的部份，亦最為特殊的部份，共分七小部份(1)Clocks (2)Control Device (3)Tone EN/DE Coder (4)CB Radio Circuits (5)A/D D/A Converter (6)Timer, Counter, Function Generator (7)Phase Lock Loop 包含了National, Motorola Intersil 等公司之產品。

Clock以NS 5300系列為主，為單晶片數字鐘之IC集成，Control

Device 包含煙霧檢知控制、自動馬達速度控制、遙控電路、電話自動撥號控制等。Tone EN/DE Coder 包括多種型式的編碼與解碼電路。CB Radio Circuits 把對講機 IC 電路廣角度的介紹，尤其是頻率合成器 (frequency synthesizer) 在 CB 裡之應用。A/D D/A Converter 介紹了數字式儀表所使用之轉換 IC 以 Intersil Motorola 及 National 等公司生產之 A/D, D/A Converter 為主，如 ICL 7106, ICL 7107, MC14433, LD110, LD111 等等。Timer Counter Function Generator 此部份以 Intersil 產品為主，在 Timer 電路裏提供精確時間計時 IC，Counter 以計數器之單晶片 IC 為主，運用極少被動元件與之配合組成高頻計數器或有關計數方面之儀表，讀者可詳細了解其結構、原理及使用規則，Function Generator 介紹函數信號產生器 ICL8038，此種 IC 於月前市面上使用非常廣泛。Phase Lock Loop 部份分析鎖相環路 IC 之特性，此種 IC 對提供我們 F/V (頻率—電壓) 轉換之技術資料。

第五部份以 RCA 雙極綫性系統 3000 系列為主，此部份介紹市面上廣用之綫性 IC，包括運算放大器 (OP) 電壓調整器，工業控制 IC 至 AM、FM、MPX、TV 有關之 IC 電路對電子從業人員應用設計提供最佳參考。

此書除了供電子工程從業人員參考外，亦適用於大專電子、電機系學生及社會電子補習教育單位之使用，若配合教育部規定之課程進度必能使學生獲得更確切的電子專門知識，啟發其創造發明之能力。

本書編校力求完善，然疏漏之處在所難免，深盼先進專家學者，惠賜指教，謹此感謝莊晉教授、周杰之教授之鼓勵及鼎力協助，得以順利再版，特此致表謝忱。

編者 李建興 謹識

中華民國七十年六月十五日

IC DATA BOOK

總目錄

- 第一部分** DIGITAL (TTL). 紅
74/54 SERIES.
- 第二部分** DIGITAL (ECL) 黃
10000 SERIES.
- 第三部分** COS/MOS. 綠
4000 SERIES.
- 第四部分** SPECIAL FUNCTION. 藍
1. CLOCKS.
2. CONTROL DEVICE.
3. TONE DE/EN CODER.
4. CB RADIO CIRCUITS.
5. A/D D/A CONVERTER.
6. TIMER COUNTER.
FUNCTION GENERATOR
(ICL 8038)
7. PHASE LOCKED LOOP.
- 第五部分** LINEAR. 紫
3000 SERIES.

集成电路资料手册

总 目 录

(上册)

- 第一部分 74/54系列数字晶体管—晶体管逻辑电路 ***** 红
- 第二部分 10000系列数字射极耦合逻辑电路 ***** 黄
- 第三部分 4000系列金属—氧化物—半导体集成电路 ***** 绿
(MOS) / 互补型MOS

(下册)

- 第四部分 特殊功能电路 ***** 蓝
1. 数字时钟
 2. 控制器件
 3. 音调编码器 / 译码器
 4. 民用波段无线电线路
 5. 模 / 数、数 / 模变换器
 6. 定时器、计数器、功能发生器 (ICL 8038型)
 7. 相位锁定环路
- 第五部分 3000系列线性电路 ***** 紫

1. INDEXES

ALPHAHUMERIC.

ALPHANUMERIC INDEX

TYPE NUMBERS		ELECTRICAL PAGE [†]	PIN ASSIGNMENTS PAGE	TYPE NUMBERS		ELECTRICAL PAGE [†]	PIN ASSIGNMENTS PAGE [†]
SN5400	SN7400	6-2	5-6	SN54LS14	SN74LS14	6-14	5-9
SN54H00	SN74H00	6-2	5-6	SN54H15	SN74H15	6-12	5-10
SN54L00	SN74L00	6-2	5-6	SN54LS15	SN74LS15	6-12	5-10
SN54LS00	SN74LS00	6-2	5-6	SN54S15	SN74S15	6-12	5-10
SN54S00	SN74S00	6-2	5-6	SN5416	SN7416	6-24	5-10
SN5401	SN7401	6-4	5-6	SN5417	SN7417	6-24	5-10
SN54H01	SN74H01	6-4	5-6	SN5420	SN7420	6-2	5-10
SN54L01	SN74L01	6-4	5-6	SN54H20	SN74H20	6-2	5-10
SN54LS01	SN74LS01	6-4	5-6	SN54L20	SN74L20	6-2	5-10
SN5402	SN7402	6-6	5-6	SN54LS20	SN74LS20	6-2	5-10
SN54L02	SN74L02	6-8	5-6	SN54S20	SN74S20	6-2	5-10
SN54LS02	SN74LS02	6-8	5-6	SN54H21	SN74H21	6-10	5-11
SN54S02	SN74S02	6-8	5-6	SN54LS21	SN74LS21	6-10	5-11
SN5403	SN7403	6-4	5-7	SN5422	SN7422	6-4	5-11
SN54L03	SN74L03	6-4	5-7	SN54H22	SN74H22	6-4	5-11
SN54LS03	SN74LS03	6-4	5-7	SN54LS22	SN74LS22	6-4	5-11
SN54S03	SN74S03	6-4	5-7	SN54S22	SN74S22	6-4	5-11
SN5404	SN7404	6-2	5-7	SN5423	SN7423	6-39	5-11
SN54H04	SN74H04	6-2	5-7	SN5425	SN7425	6-8	5-11
SN54L04	SN74L04	6-2	5-7	SN5426	SN7426	6-24	5-12
SN54LS04	SN74LS04	6-2	5-7	SN54LS26	SN74LS26	6-26	5-12
SN54S04	SN74S04	6-2	5-7	SN5427	SN7427	6-8	5-12
SN5405	SN7405	6-4	5-7	SN54LS27	SN74LS27	6-8	5-12
SN54H05	SN74H05	6-4	5-7	SN5428	SN7428	6-20	5-12
SN54LS05	SN74LS05	6-4	5-7	SN54LS28	SN74LS28	6-20	5-12
SN54S05	SN74S05	6-4	5-7	SN5430	SN7430	6-2	5-12
SN5406	SN7406	6-24	5-7	SN54H30	SN74H30	6-2	5-12
SN5407	SN7407	6-24	5-8	SN54L30	SN74L30	6-2	5-12
SN5408	SN7408	6-10	5-8	SN54LS30	SN74LS30	6-2	5-12
SN54LS08	SN74LS08	6-10	5-8	SN54S30	SN74S30	6-2	5-12
SN54S08	SN74S08	6-10	5-8	SN5432	SN7432	6-28	5-13
SN5409	SN7409	6-12	5-8	SN54LS32	SN74LS32	6-28	5-13
SN54LS09	SN74LS09	6-12	5-8	SN54S32	SN74S32	6-28	5-13
SN54S09	SN74S09	6-12	5-8	SN5433	SN7433	6-24	5-13
SN5410	SN7410	6-2	5-8	SN54LS33	SN74LS33	6-26	5-13
SN54H10	SN74H10	6-2	5-8	SN5437	SN7437	6-20	5-13
SN54L10	SN74L10	6-2	5-8	SN54LS37	SN74LS37	6-20	5-13
SN54LS10	SN74LS10	6-2	5-8	SN54S37	SN74S37	6-20	5-13
SN54S10	SN74S10	6-2	5-8	SN5438	SN7438	6-24	5-13
SN54H11	SN74H11	6-10	5-9	SN54LS38	SN74LS38	6-26	5-13
SN54LS11	SN74LS11	6-10	5-9	SN54S38	SN74S38	6-26	5-13
SN54S11	SN74S11	6-10	5-9	SN5440	SN7440	6-20	5-14
SN5412	SN7412	6-4	5-9	SN54H40	SN74H40	6-20	5-14
SN54LS12	SN74LS12	6-4	5-9	SN54LS40	SN74LS40	6-20	5-14
SN5413	SN7413	6-14	5-9	SN54S40	SN74S40	6-20	5-14
SN54LS13	SN74LS13	6-14	5-9	SN5442A	SN7442A	7-15	7-15
SN5414	SN7414	6-14	5-9	SN54L42	SN74L42	7-15	7-15

[†]See Bipolar Microcomputer Components Data Book LCC4270.

ALPHANUMERIC INDEX

TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†	TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†
SN54LS42	SN74LS42	7-16	7-15	SN54L73	SN74L73	6-54	5-22
SN5443A	SN7443A	7-15	7-15	SN54LS73A	SN74LS73A	6-56	5-22
SN54L43	SN74L43	7-15	7-15	SN5474	SN7474	6-48	5-22
SN5444A	SN7444A	7-15	7-15	SN54H74	SN74H74	6-50	5-22
SN54L44	SN74L44	7-15	7-15	SN54L74	SN74L74	6-54	5-22
SN5445	SN7445	7-20	7-20	SN54LS74A	SN74LS74A	6-56	5-22
SN5446A	SN7446A	7-22	7-22	SN54S74	SN74S74	6-68	5-22
SN54L46	SN74L46	7-22	7-22	SN5475	SN7475	7-35	7-36
SN5447A	SN7447A	7-22	7-22	SN54L75	SN74L75	7-35	7-36
SN54L47	SN74L47	7-22	7-22	SN54LS75	SN74LS75	7-35	7-36
SN54LS47	SN74LS47	7-22	7-22	SN5476	SN7476	6-46	5-23
SN5448	SN7448	7-22	7-22	SN54H76	SN74H76	6-50	5-23
SN54LS48	SN74LS48	7-22	7-22	SN54LS76A	SN74LS76A	6-56	5-23
SN5449		7-22	7-22	SN5477		7-35	7-36
SN54LS49	SN74LS49	7-22	7-22	SN54L77		7-35	7-36
SN5450	SN7450	6-39	5-16	SN54LS77		7-35	7-36
SN54H50	SN74H50	6-39	5-16	SN54H78	SN74H78	6-50	5-24
SN5451	SN7451	6-30	5-16	SN54L78	SN74L78	6-54	5-24
SN54H51	SN74H51	6-30	5-16	SN54LS78A	SN74LS78A	6-56	5-24
SN54L51	SN74L51	6-30	5-16	SN5480	SN7480	7-41	7-41
SN54LS51	SN74LS51	6-30	5-16	SN5481A	SN7481A	7-44	7-44
SN54S51	SN74S51	6-30	5-16	SN5482	SN7482	7-49	7-49
SN54H52	SN74H52	6-39	5-17	SN5483A	SN7483A	7-53	7-53
SN5453	SN7453	6-39	5-17	SN54LS83A	SN74LS83A	7-53	7-53
SN54H53	SN74H53	6-39	5-17	SN5484A	SN7484A	7-44	7-44
SN5454	SN7454	6-30	5-18	SN5485	SN7485	7-57	7-57
SN54H54	SN74H54	6-30	5-18	SN54L85	SN74L85	7-57	7-57
SN54L54	SN74L54	6-30	5-18	SN54LS85	SN74LS85	7-57	7-57
SN54LS54	SN74LS54	6-30	5-18	SN54S85	SN74S85	7-57	7-57
SN54H55	SN74H55	6-39	5-19	SN5486	SN7486	7-65	7-65
SN54L55	SN74L55	6-30	5-19	SN54L86	SN74L86	7-65	7-65
SN54LS55	SN74LS55	6-30	5-19	SN54LS86	SN74LS86	7-65	7-65
SN5480	SN7480	6-43	5-19	SN54S86	SN74S86	7-65	7-65
SN54H80	SN74H80	6-44	5-19	SN54H87	SN74H87	7-70	7-70
SN54H81	SN74H81	6-45	5-19	SN5488A	SN7488A	†	5-27
SN54H82	SN74H82	6-44	5-20		SN7489	†	5-27
SN54LS83	SN74LS83	6-62	5-20	SN5490A	SN7490A	7-72	7-72
SN54S84	SN74S84	6-30	5-20	SN54L90	SN74L90	7-72	7-72
SN54S85	SN74S85	6-32	5-20	SN54LS90	SN74LS90	7-72	7-72
SN5470	SN7470	6-46	5-21	SN5491A	SN7491A	7-81	7-81
SN54H71	SN74H71	6-50	5-21	SN54L91	SN74L91	7-81	7-81
SN54L71	SN74L71	6-54	5-21	SN54LS91	SN74LS91	7-81	7-81
SN5472	SN7472	6-46	5-22	SN5492A	SN7492A	7-72	7-72
SN54H72	SN74H72	6-50	5-22	SN54LS92	SN74LS92	7-72	7-72
SN54L72	SN74L72	6-54	5-22	SN5493A	SN7493A	7-72	7-72
SN5473	SN7473	6-46	5-22	SN54L93	SN74L93	7-72	7-72
SN54H73	SN74H73	6-50	5-22	SN54LS93	SN74LS93	7-72	7-72

† See Bipolar Microcomputer Components Data Book, LCC4270.

TEXAS INSTRUMENTS
INCORPORATED
POST OFFICE BOX 9012 • DALLAS, TEXAS 75212

ALPHANUMERIC INDEX

TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†	TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†
SN5404	SN7404	7-86	7-86	SN54S132	SN74S132	6-14	5-32
SN5405A	SN7405A	7-89	7-89	SN54S133	SN74S133	6-2	5-38
SN54L95	SN74L95	7-89	7-89	SN54S134	SN74S134	6-33	5-38
SN54LS95B	SN74LS95B	7-89	7-89	SN54S135	SN74S135	7-129	7-129
SN5406	SN7406	7-95	7-95	SN54136	SN74136	7-131	7-131
SN54L96	SN74L96	7-95	7-95	SN54LS136	SN74LS136	7-131	7-131
SN54LS96	SN74LS96	7-95	7-95	SN54LS138	SN74LS138	7-134	7-134
SN5407	SN7407	7-102	7-102	SN54S138	SN74S138	7-134	7-134
SN54L98	SN74L98	7-107	7-107	SN54LS139	SN74LS139	7-134	7-134
SN54L99	SN74L99	7-109	7-109	SN54S139	SN74S139	7-134	7-134
SN54100	SN74100	7-113	7-113	SN54S140	SN74S140	6-22	5-39
SN54H101	SN74H101	6-52	5-31		SN74141	7-138	7-138
SN54H102	SN74H102	6-52	5-31		SN74142	7-140	7-140
SN54H103	SN74H103	6-52	5-31	SN54143	SN74143	7-143	7-143
SN54H106	SN74H106	6-52	5-32	SN54144	SN74144	7-143	7-143
SN54107	SN74107	6-46	5-32	SN54145	SN74145	7-148	7-148
SN54LS107A	SN74LS107A	6-56	5-32	SN54LS145	SN74LS145	7-148	7-148
SN54H108	SN74H108	6-52	5-32	SN54147	SN74147	7-151	7-151
SN54109	SN74109	6-46	5-33	SN54LS147	SN74LS147	7-151	7-151
SN54LS109A	SN74LS109A	6-56	5-33	SN54148	SN74148	7-151	7-151
SN54110	SN74110	6-46	5-33	SN54LS148	SN74LS148	7-151	7-151
SN54111	SN74111	6-46	5-33	SN54150	SN74150	7-157	7-157
SN54LS112A	SN74LS112A	6-56	5-34	SN54151A	SN74151A	7-157	7-157
SN54S112	SN74S112	6-58	5-34	SN54LS151	SN74LS151	7-157	7-157
SN54LS113A	SN74LS113A	6-56	5-34	SN54S151	SN74S151	7-157	7-157
SN54S113	SN74S113	6-58	5-34	SN54152A		7-157	7-157
SN54LS114A	SN74LS114A	6-56	5-34	SN54LS152		7-157	7-157
SN54S114	SN74S114	6-58	5-34	SN54153	SN74153	7-165	7-165
SN54116	SN74116	7-115	7-115	SN54L153	SN74L153	7-165	7-165
SN54120	SN74120	7-118	7-118	SN54LS153	SN74LS153	7-165	7-165
SN54121	SN74121	6-64	5-35	SN54S153	SN74S153	7-165	7-165
SN54L121	SN74L121	6-64	5-35	SN54154	SN74154	7-171	7-171
SN54122	SN74122	6-76	5-35	SN54L154	SN74L154	7-171	7-171
SN54L122	SN74L122	6-76	5-35	SN54155	SN74155	7-175	7-175
SN54LS122	SN74LS122	6-76	5-35	SN54LS155	SN74LS155	7-175	7-175
SN54123	SN74123	6-76	5-35	SN54156	SN74156	7-175	7-175
SN54L123	SN74L123	6-76	5-35	SN54LS156	SN74LS156	7-175	7-175
SN54LS123	SN74LS123	6-76	5-35	SN54157	SN74157	7-181	7-181
SN54LS124	SN74LS124	7-123	7-123	SN54L157	SN74L157	7-181	7-181
SN54S124	SN74S124	7-123	7-123	SN54LS157	SN74LS157	7-181	7-181
SN54125	SN74125	6-33	5-37	SN54S157	SN74S157	7-181	7-181
SN54LS125A	SN74LS125A	6-33	5-37	SN54LS158	SN74LS158	7-181	7-181
SN54126	SN74126	6-33	5-37	SN54S158	SN74S158	7-181	7-181
SN54LS126A	SN74LS126A	6-33	5-37	SN54159	SN74159	7-188	7-188
SN54128	SN74128	6-22	5-37	SN54160	SN74160	7-190	7-190
SN54132	SN74132	6-14	5-37	SN54LS160A	SN74LS160A	7-190	7-190
SN54LS132	SN74LS132	6-14	5-37	SN54161	SN74161	7-190	7-190

†See Bipolar Microcomputer Components Data Book, LCC4270.

TEXAS INSTRUMENTS
INCORPORATED

POST OFFICE BOX 5012 • DALLAS, TEXAS 75222

ALPHANUMERIC INDEX

TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†	TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†
SN54LS161A	SN74LS161A	7-190	7-190	SN54S188	SN74S188	†	5-48
SN54162	SN74162	7-190	7-190	SN54S189	SN74S189	†	5-48
SN54LS162A	SN74LS162A	7-190	7-190	SN54190	SN74190	7-296	7-296
SN54S162	SN74S162	7-190	7-190	SN54LS190	SN74LS190	7-296	7-296
SN54163	SN74163	7-190	7-190	SN54191	SN74191	7-296	7-296
SN54LS163A	SN74LS163A	7-190	7-190	SN54LS191	SN74LS191	7-296	7-296
SN54S163	SN74S163	7-190	7-190	SN54192	SN74192	7-306	7-306
SN54164	SN74164	7-206	7-206	SN54L192	SN74L192	7-306	7-306
SN54L164	SN74L164	7-206	7-206	SN54LS192	SN74LS192	7-306	7-306
SN54LS164	SN74LS164	7-206	7-206	SN54193	SN74193	7-306	7-306
SN54165	SN74165	7-212	7-212	SN54L193	SN74L193	7-306	7-306
SN54LS165	SN74LS165	7-212	7-212	SN54LS193	SN74LS193	7-306	7-306
SN54166	SN74166	7-217	7-217	SN54194	SN74194	7-316	7-316
SN54LS166	SN74LS166	7-217	7-217	SN54LS194A	SN74LS194A	7-316	7-316
SN54167	SN74167	7-222	7-222	SN54S194	SN74S194	7-316	7-316
SN54LS168A	SN74LS168A	7-226	7-226	SN54195	SN74195	7-324	7-324
SN54S168	SN74S168	7-226	7-226	SN54LS195A	SN74LS195A	7-324	7-324
SN54LS169A	SN74LS169A	7-226	7-226	SN54S195	SN74S195	7-324	7-324
SN54S169	SN74S169	7-226	7-226	SN54196	SN74196	7-331	7-331
SN54170	SN74170	7-237	7-237	SN54LS196	SN74LS196	7-331	7-331
SN54LS170	SN74LS170	7-237	7-237	SN54S196	SN74S196	7-331	7-331
	SN74172	7-245	7-245	SN54197	SN74197	7-331	7-331
SN54173	SN74173	7-249	7-249	SN54LS197	SN74LS197	331	7-331
SN54LS173	SN74LS173	7-249	7-249	SN54S197	SN74S197	7-331	7-331
SN54174	SN74174	7-253	7-253	SN54198	SN74198	7-338	7-338
SN54LS174	SN74LS174	7-253	7-253	SN54199	SN74199	7-338	7-338
SN54S174	SN74S174	7-253	7-253	SN54LS200A	SN74LS200A	†	5-62
SN54175	SN74175	7-253	7-253	SN54S200A	SN74S200A	†	5-62
SN54LS175	SN74LS175	7-253	7-253	SN54S201	SN74S201	†	5-62
SN54S175	SN74S175	7-253	7-253	SN54LS202	SN74LS202	†	5-62
SN54176	SN74176	7-259	7-259	SN54LS207	SN74LS207	†	5-62
SN54177	SN74177	7-259	7-259	SN54S207	SN74S207	†	5-63
SN54178	SN74178	7-265	7-265	SN54LS208	SN74LS208	†	5-63
SN54179	SN74179	7-265	7-265	SN54S208	SN74S208	†	5-63
SN54180	SN74180	7-269	7-269	SN54LS214	SN74LS214	†	5-63
SN54181	SN74181	7-271	7-271	SN54S214	SN74S214	†	5-63
SN54LS181	SN74LS181	7-271	7-271	SN54LS215	SN74LS215	†	5-63
SN54S181	SN74S181	7-271	7-271	SN54221	SN74221	6-68	5-64
SN54182	SN74182	7-282	7-282	SN54LS221	SN74LS221	6-68	5-64
SN54S182	SN74S182	7-282	7-282		SN74S225	†	5-64
SN54LS183	SN74LS183	7-282	7-282	SN54S226	SN74S226	7-345	7-345
SN54H183	SN74H183	7-287	7-287	SN54LS240	SN74LS240	6-83	5-64
SN54184	SN74184	7-290	7-290	SN54S240	SN74S240	6-83	5-64
SN54185A	SN74185A	7-290	7-290	SN54LS241	SN74LS241	6-83	5-65
SN54186	SN74186	†	5-49	SN54S241	SN74S241	6-83	5-65
SN54187	SN74187	†	5-49	SN54LS242	SN74LS242	6-87	5-65
SN54188A	SN74188A	†	5-49	SN54LS243	SN74LS243	6-87	5-65

† See Bipolar Microcomputer Components Data Book, LCC4270.

TEXAS INSTRUMENTS
INCORPORATED

POST OFFICE BOX 9012 • DALLAS, TEXAS 75222

ALPHANUMERIC INDEX

TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†	TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†
SN54LS244	SN74LS244	6-83	5-85	SN54LS293	SN74LS293	7-423	7-423
SN54LS245	SN74LS245	7-349	7-349	SN54LS293	SN74LS293	7-423	7-423
SN54LS246	SN74LS246	7-361	7-361	SN54LS296B	SN74LS296B	7-429	7-429
SN54LS247	SN74LS247	7-361	7-361	SN54LS296	SN74LS296	7-432	7-432
SN54LS247	SN74LS247	7-361	7-361	SN54LS298	SN74LS298	7-432	7-432
SN54LS248	SN74LS248	7-361	7-361	SN54LS299	SN74LS299	7-437	7-437
SN54LS248	SN74LS248	7-361	7-361	SN54LS299	SN74LS299	7-437	7-437
SN54LS249	SN74LS249	7-361	7-361	SN54LS300A	SN74LS300A	†	5-84
SN54LS249	SN74LS249	7-361	7-361	SN54LS300A	SN74LS300A	†	5-84
SN54LS251	SN74LS251	7-362	7-362	SN54LS301	SN74LS301	†	5-84
SN54LS251	SN74LS251	7-362	7-362	SN54LS302	SN74LS302	†	5-84
SN54LS251	SN74LS251	7-362	7-362	SN54LS314	SN74LS314	†	5-84
SN54LS253	SN74LS253	7-369	7-369	SN54LS314	SN74LS314	†	5-85
SN54LS257A	SN74LS257A	7-372	7-372	SN54LS315	SN74LS315	†	5-85
SN54LS257	SN74LS257	7-372	7-372	SN54LS323	SN74LS323	7-443	7-443
SN54LS258A	SN74LS258A	7-372	7-372	SN54LS324	SN74LS324	7-445	7-445
SN54LS258	SN74LS258	7-372	7-372	SN54LS325	SN74LS325	7-445	7-445
SN54LS259	SN74LS259	7-376	7-376	SN54LS326	SN74LS326	7-445	7-445
SN54LS259	SN74LS259	7-376	7-376	SN54LS327	SN74LS327	7-445	7-445
SN54LS260	SN74LS260	6-8	5-58	SN54LS348	SN74LS348	7-448	7-448
SN54LS261	SN74LS261	7-380	7-380		SN74LS351	7-451	7-451
SN54LS265	SN74LS265	6-89	5-58	SN54LS352	SN74LS352	7-454	7-454
SN54LS266	SN74LS266	7-386	7-386	SN54LS353	SN74LS353	7-457	7-457
SN54LS270	SN74LS270	†	5-59	SN54LS353	SN74LS353	7-460	7-460
SN54LS271	SN74LS271	†	5-59	SN54LS363	SN74LS363	7-467	7-467
SN54LS273	SN74LS273	7-388	7-388	SN54LS364	SN74LS364	7-467	7-467
SN54LS273	SN74LS273	7-388	7-388	SN54LS365A	SN74LS365A	6-36	5-88
SN54LS274	SN74LS274	7-388	7-391	SN54LS365A	SN74LS365A	6-36	5-88
SN54LS275	SN74LS275	7-391	7-391	SN54LS366A	SN74LS366A	6-36	5-88
SN54LS275	SN74LS275	7-391	7-391	SN54LS366A	SN74LS366A	6-36	5-88
SN54LS276	SN74LS276	7-401	7-401	SN54LS367A	SN74LS367A	6-36	5-89
SN54LS278	SN74LS278	7-403	7-403	SN54LS367A	SN74LS367A	6-36	5-89
SN54LS279	SN74LS279	6-60	5-60	SN54LS368A	SN74LS368A	6-36	5-89
SN54LS279	SN74LS279	6-60	5-60	SN54LS368A	SN74LS368A	6-36	5-89
SN54LS280	SN74LS280	7-406	7-406	SN54LS370	SN74LS370	†	5-89
SN54LS280	SN74LS280	7-406	7-406	SN54LS371	SN74LS371	†	5-89
SN54LS281	SN74LS281	7-410	7-410	SN54LS373	SN74LS373	7-471	7-471
SN54LS283	SN74LS283	7-415	7-415	SN54LS373	SN74LS373	7-471	7-471
SN54LS283	SN74LS283	7-415	7-415	SN54LS374	SN74LS374	7-471	7-471
SN54LS284	SN74LS284	7-420	7-420	SN54LS374	SN74LS374	7-471	7-471
SN54LS285	SN74LS285	7-420	7-420	SN54LS375	SN74LS375	7-478	7-478
SN54LS287	SN74LS287	†	5-62	SN54LS376	SN74LS376	7-479	7-479
SN54LS288	SN74LS288	†	5-62	SN54LS377	SN74LS377	7-481	7-481
SN54LS289	SN74LS289	†	5-62	SN54LS378	SN74LS378	7-481	7-481
SN54LS290	SN74LS290	7-423	7-423	SN54LS379	SN74LS379	7-481	7-481
SN54LS290	SN74LS290	7-423	7-423	SN54LS381	SN74LS381	7-484	7-484
				SN54LS386	SN74LS386	7-487	7-487

†See Bipolar Microcomputer Components Data Book, LCC4270.

ALPHANUMERIC INDEX

TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE†	TYPE NUMBERS		ELECTRICAL PAGE†	PIN ASSIGNMENTS PAGE
SN54S387	SN74S387	†	5-72	SN54S472	SN74S472	†	5-76
SN54390	SN74390	7-489	7-489	SN54S473	SN74S473	†	5-76
SN54LS390	SN74LS390	7-489	7-489	SN54S474	SN74S474	†	5-76
SN54393	SN74393	7-489	7-489	SN54S475	SN74S475	†	5-76
SN54LS393	SN74LS393	7-489	7-489	SN54S481	SN74S481	†	5-76
SN54LS395A	SN74LS395A	7-496	7-496	SN54S482	SN74S482	†	5-77
SN54LS398	SN74LS398	7-499	7-499	SN54490	SN74490	7-520	7-520
SN54LS399	SN74LS399	7-499	7-499	SN54LS490	SN74LS490	7-520	7-520
SN54S412	SN74S412	7-502	7-502	SN54LS670	SN74LS670	7-528	7-528
	SN74LS424	7-507	7-507	TIM8224		7-507	7-507
SN54426	SN74426	6-33	5-74	TIM8228		7-514	7-514
SN54428	SN74428	6-33	5-75	TIM8238		7-514	7-514
	SN74S428	7-514	7-514	TIM9904		480	7-480
	SN74S438	7-514	7-514	TIM9905		7-362	7-362
SN54S470	SN74S470	†	5-75	TIM9906		7-376	7-376
SN54S471	SN74S471	†	5-75	TIM9907		7-151	7-151
				TIM9908		7-448	7-448

† See Bipolar Microcomputer Components Data Book, LCC4270.

2. INDEXES

FUNCTIONAL/SELECTION GUIDE.

TABLE CONTENTS.