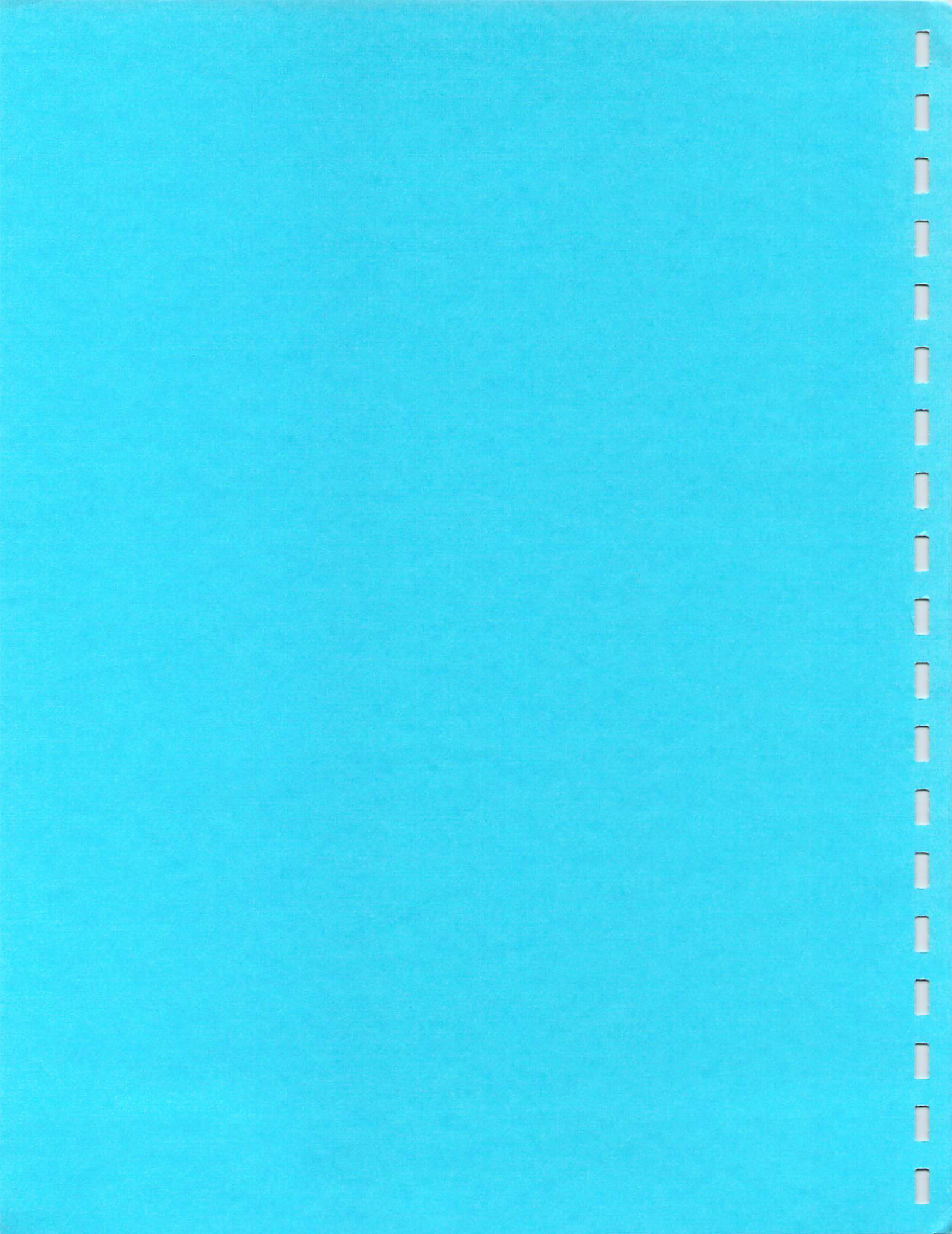


**PARTS  
CROSS REFERENCE  
MANUAL**

 **commodore**  
COMPUTERS



# **PARTS CROSS REFERENCE MANUAL**

**PN 314000-01**

## **Commodore Business Machines, Inc.**

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74LS SERIES TTL REPLACEMENTS

	TEXAS INST.	SIGNETICS	MOTOROLA	NATIONAL
74LS00	SN74LS00	74LS00	SN74LS00	DM74LS00
74LS01	SN74LS01	74LS01	SN74LS01	DM74LS01
74LS02	SN74LS02	74LS02	SN74LS02	DM74LS02
74LS03	SN74LS03	74LS03	SN74LS03	DM74LS03
74LS04	SN74LS04	74LS04	SN74LS04	DM74LS04
74LS05	SN74LS05	74LS05	SN74LS05	DM74LS05
74LS06	SN74LS06	74LS06	SN74LS06	DM74LS06
74LS08	SN74LS08	74LS08	SN74LS08	DM74LS08
74LS09	SN74LS09	74LS09	SN74LS09	DM74LS09
74LS10	SN74LS10	74LS10	SN74LS10	DM74LS10
74LS11	SN74LS11	74LS11	SN74LS11	DM74LS11
74LS12	SN74LS12	74LS12	SN74LS12	DM74LS12
74LS14	SN74LS14	74LS14	SN74LS14	DM74LS14
74LS20	SN74LS20	74LS20	SN74LS20	DM74LS20
74LS21	SN74LS21	74LS21	SN74LS21	DM74LS21
74LS27	SN74LS27	74LS27	SN74LS27	DM74LS27
74LS28	SN74LS28	74LS28	SN74LS28	DM74LS28
74LS30	SN74LS30	74LS30	SN74LS30	DM74LS30
74LS32	SN74LS32	74LS32	SN74LS32	DM74LS32
74LS33	SN74LS33	74LS33	SN74LS33	DM74LS33
74LS37	SN74LS37	74LS37	SN74LS37	DM74LS37
74LS38	SN74LS38	74LS38	SN74LS38	DM74LS38
74LS42	SN74LS42	74LS42	SN74LS42	DM74LS42
74LS73	SN74LS73	74LS73	SN74LS73	DM74LS73
74LS74	SN74LS74	74LS74	SN74LS74	DM74LS74
74LS76	SN74LS76	74LS76	SN74LS76	DM74LS76
74LS85	SN74LS85	74LS85	SN74LS85	DM74LS85
74LS86	SN74LS86	74LS86	SN74LS86	DM74LS86
74LS93	SN74LS93	74LS93	SN74LS93	DM74LS93
74LS107	SN74LS107	74LS107	SN74LS107	DM74LS107
74LS123	SN74LS123	74LS123	SN74LS123	DM74LS123
74LS124	SN74LS124	74LS124	SN74LS124	DM74LS124
74LS125	SN74LS125	74LS125	SN74LS125	DM74LS125
74LS132	SN74LS132	74LS132	SN74LS132	DM74LS132
74LS133	SN74LS133	74LS133	SN74LS133	DM74LS133
74LS138	SN74LS138	74LS138	SN74LS138	DM74LS138
74LS139	SN74LS139	74LS139	SN74LS139	DM74LS139
74LS145	SN74LS145	74LS145	SN74LS145	DM74LS145
74LS153	SN74LS153	74LS153	SN74LS153	DM74LS153
74LS154	SN74LS154	74LS154	SN74LS154	DM74LS154
74LS157	SN74LS157	74LS157	SN74LS157	DM74LS157

74LS SERIES TTL REPLACEMENTS

	TEXAS INST.	SIGNETICS	MOTOROLA	NATIONAL
74LS161	SN74LS161	74LS161	SN74LS161	DM74LS161
74LS163	SN74LS163	74LS163	SN74LS163	DM74LS163
74LS164	SN74LS164	74LS164	SN74LS164	DM74LS164
74LS165	SN74LS165	74LS165	SN74LS165	DM74LS165
74LS166	SN74LS166	74LS166	SN74LS166	DM74LS166
74LS174	SN74LS174	74LS174	SN74LS174	DM74LS174
74LS175	SN74LS175	74LS175	SN74LS175	DM74LS175
74LS190	SN74LS190	74LS190	SN74LS190	DM74LS190
74LS191	SN74LS191	74LS191	SN74LS191	DM74LS191
74LS193	SN74LS193	74LS193	SN74LS193	DM74LS193
74LS194	SN74LS194	74LS194	SN74LS194	DM74LS194
74LS195	SN74LS195	74SL195	SN74LS195	DM74LS195
74LS197	SN74LS197	74LS197	SN74LS197	DM74LS197
74LS240	SN74LS240	74LS240	SN74LS240	DM74LS240
74LS241	SN74LS241	74LS241	SN74LS241	DM74LS241
74LS244	SN74LS244	74LS244	SN74LS244	DM74LS244
74LS245	SN74LS245	74LS245	SN74LS245	DM74LS245
74LS257	SN74LS257	74LS257	SN74LS257	*****
74LS258	SN74LS258	74LS258	SN74LS258	DM74LS258
74LS266	SN74LS266	74LS266	SN74LS266	DM74LS266
74LS273	SN74LS273	74LS273	SN74LS273	DM74LS273
74LS283	SN74LS283	74LS283	SN74LS283	DM74LS283
74LS293	SN74LS293	74LS293	SN74LS293	DM74LS293
74LS299	SN74LS299	74LS299	SN74LS299	DM74LS299
74LS365	SN74LS365	74LS365	SN74LS365	DM74LS365
74LS367	SN74LS367	74LS367	SN74LS367	DM74LS367
74LS373	SN74LS373	74LS373	SN74LS373	DM74LS373
74LS374	SN74LS374	74LS374	SN74LS374	DM74LS374
74LS375	SN74LS375	74LS375	SN74LS375	DM74LS375
74LS390	SN74LS390	74LS390	SN74LS390	DM74LS390
74LS393	SN74LS393	74LS393	SN74LS393	DM74LS393
74LS445	SN74LS445	74LS445	SN74LS445	DM74LS445
74LS629	SN74LS629	74LS629	SN74LS629	DM74LS629

74S SERIES TTL REPLACEMENTS

	TEXAS INST.	SIGNETICS	MOTOROLA	NATIONAL
74S00	SN74S00	74S00	*****	DM74S00
74S02	SN74S02	74S02	*****	DM74S02
74S04	SN74S04	74S04	*****	DM74S04
74S05	SN74S05	74S05	*****	DM74S05
74S08	SN74S08	74S08	*****	DM74S08
74S10	SN74S10	74S10	*****	DM74S10
74S20	SN74S20	74S20	*****	DM74S20
74S32	SN74S32	74S32	*****	DM74S32
74S37	SN74S37	74S37	*****	DM74S37
74S51	SN74S51	74S51	*****	DM74S51
74S74	SN74S74	74S74	*****	DM74S74
74S86	SN74S86	74S86	*****	DM74S86
74S112	SN74S112	74S112	*****	DM74S112
74S113	SN74S113	74S113	*****	DM74S113
74S133	SN74S133	74S133	*****	DM74S133
74S138	SN74S138	74S138	*****	DM74S138
74S140	SN74S140	74S140	*****	DM74S140
74S153	SN74S153	74S153	*****	DM74S153
74S157	SN74S157	74S157	*****	DM74S157
74S161	SN74S161	74S161	*****	DM74S161
74S163	SN74S163	74S163	*****	DM74S163
74S195	SN74S195	74S195	*****	DM74S195
74S241	SN74S241	74S241	*****	DM74S241
74S244	SN74S244	74S244	*****	DM74S244
74S283	SN74S283	74S283	*****	DM74S283
74S299	SN74S299	74S299	*****	DM74S299
74S374	SN74S374	74S374	*****	DM74S374

74 SERIES TTL REPLACEMENTS

	TEXAS INST.	SIGNETICS	MOTOROLA	NATIONAL
7400	SN7400	7400	MC7400	DM7400
7401	SN7401	7401	MC7401	DM7401
7402	SN7402	7402	MC7402	DM7402
7404	SN7404	7404	MC7404	DM7404
7405	SN7405	7405	MC7405	DM7405
7406	SN7406	7406	MC7406	DM7406
7407	SN7407	7407	MC7407	DM7407
7408	SN7408	7408	MC7408	DM7408
7410	SN7410	7410	MC7410	DM7410
7414	SN7414	7414	MC7414	DM7414
7416	SN7416	7416	MC7416	DM7416
7417	SN7417	7417	MC7417	DM7417
7420	SN7420	7420	MC7420	DM7420
7423	SN7423	7423	MC7423	DM7423
7425	SN7425	7425	MC7425	DM7425
7428	SN7428	7428	MC7428	DM7428
7432	SN7432	7432	MC7432	DM7432
7438	SN7438	7438	MC7438	DM7438
7445	SN7445	7445	MC7445	DM7445
7474	SN7474	7474	MC7474	DM7474
7485	SN7485	7485	MC7485	DM7485
7486	SN7486	7486	MC7486	DM7486
74100	SN74100	74100	MC74100	DM74100
74107	SN74107	74107	MC74107	DM74107
74123	SN74123	74123	MC74123	DM74123
74125	SN74125	74125	MC74125	DM74125
74145	SN74145	74145	MC74145	DM74145
74147	SN74147	74147	MC74147	DM74147
74153	SN74153	74153	MC74153	DM74153
74154	SN74154	74154	MC74154	DM74154
74156	SN74156	74156	MC74156	DM74156
74157	SN74157	74157	MC74157	DM74157
74159	SN74159	74159	MC74159	DM74159
74164	SN74164	74164	MC74164	DM74164
74166	SN74166	74166	MC74166	DM74166
74177	SN74177	74177	MC74177	DM74177
74190	SN74190	74190	MC74190	DM74190
74191	SN74191	74191	MC74191	DM74191
74193	SN74193	74193	MC74193	DM74193
74267	SN74267	74267	MC74267	DM74267

MISCELLANEOUS I.C. REPLACEMENTS

	TEXAS INST.	SIGNETICS	MOTOROLA	NATIONAL
258	LM258P	*****	*****	LM258N
311	LM311P	*****	*****	LM311N
322	*****	*****	*****	LM322
323	*****	*****	LM323	LM323
353	*****	*****	LF353	LF353
358	LM358	LM358	LM358	LM358A
555	NE555	NE555	MC1455	LM555C
556	NE556	NE556	*****	LM556
	*****	NE556-1	*****	*****
565	*****	NE565	LM565	LM565
	*****	*****	NE565	*****
592	NE592	NE592	NE592	*****
	TL592	*****	*****	*****
741	UA741C	UA741C	*****	LM741C
7805	*****	*****	MC7805CT	LM7805
7812	UA7812C	*****	MC7812CT	LM7812

798 ----- ONLY APPROVED CROSS REFERENCE IS THE FAIRCHILD 798 -----

1488	MC1488	MC1488	MC1488	DS1488
1489	*****	MC1489	MC1489	DS1489
2901	LM2901	LM2901	LM2901	LM2901
3446	MC3446	*****	MC3446	*****
4016	*****	*****	MC14016B	*****
4066	*****	*****	MC14066BCP	CD4066BM
8273	*****	N8273	*****	*****
8274	*****	N8274	*****	*****
8833	*****	*****	*****	DS8833
9602	*****	N9602	MC9602	DM8602N
75160	SN75160A	*****	*****	DS75160A
75161	SN75161A	*****	*****	DS75161A
75453	SN75453B	*****	*****	DS75453
81LS95	*****	*****	*****	DM81LS95
N8T95B	*****	N8T95B	*****	*****
N8T97B	*****	N8T97B	*****	*****



STATIC AND DYNAMIC RAM IC'S

4K STATIC RAM  
COMMODORE PART NUMBER 901453

ACCESS TIME	INTEL	NATIONAL	MOTOROLA	SYNERTEK	MOS
300 nS	*2114-3 *2114-L3	*MM2114-3 *MM2114-3L	*MCM2114-30 *MCM21L14-30	*SYP2114-3 *SYP2114L-3	***** *****
350 nS	***** ***** ***** *****	***** ***** ***** *****	***** ***** ***** *****	***** ***** ***** *****	MCS2114-35 MPS2114-35 MCS2114L-35 MPS2114L-35
400 nS	***** ***** ***** *****	***** ***** ***** *****	***** ***** ***** *****	***** ***** ***** *****	MCS2114-40 MPS2114-40 MCS2114L-40 MPS2114L-40
450 nS	***** *****	MM2114 MM2114L	MCM2114-45 MCM21L14-45	SYP2114 SYP2114L	***** *****

NOTE: ALL 2114 RAM'S PRECEDED BY \* MAY BE SUBSTITUTED FOR ANY LISTED

8K/16K DYNAMIC RAM  
COMMODORE PART NUMBER 901470

	T.I	INTEL	NATIONAL	MOSTEK	ITT	HITACHI
4116-2	TMS4116-30	2117	MM5290J-3	*****	*****	*****
4116-3	*****	*****	MM5290N-3	MK4116-3	4116-3	*****

64K DYNAMIC RAM  
COMMODORE PART NUMBER 901505

ACCESS TIME	HITACHI	MOSTEK	NEC	MITSUBISHI	TOSHIBA
200 nS	HM4864-3	MK4564N-20	UPD4164-2	M5K4164NS-20	TMM4164AP-20

2048 X 8 BIT STATIC RAM  
COMMODORE PART NUMBERS 251637, 325502

ACCESS TIME	HITACHI	MITSUBISHI	TOSHIBA
90 nS	*****	*****	TMM2016AP-90
100 nS	*****	*****	TMM2016AP-10
120 nS	HM6116P-2	*****	TMM2016AP-12
150 nS	HM6116P-3	*****	TMM2016AP-15
200 nS	HM6116P-4	M58725P-01	TMM2016P-20
250 nS	*****	*****	TC5516AP

