

Industry Cross Reference Guide

INDUSTRY TTL CROSS REFERENCE GUIDE

The following charts indicate the recommended Fairchild replacement for the most popular TTL devices in use today. Two categories of replacement are given.

1. Pin for Pin Replacement

Function and pin configuration are identical, however some small differences in the electrical or mechanical specification or method of test may exist.

2. Functional Equivalent

Device performing similar function, but with different pin outs, or organization.

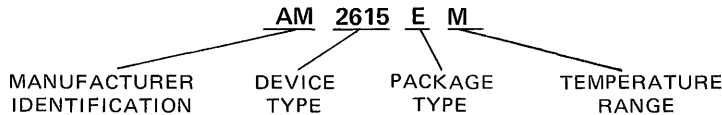
Exact interchangeability in every application is not guaranteed. Before specifying a substitute, the user should compare the most recent data and device parameters from both sources of supply.

Cross reference information is provided for the following manufacturers.

- Advanced Micro Devices
- ITT
- Philips
- Computer Microtechnology
- Motorola
- Signetics
- Intel
- National
- Texas Instruments

AMD – ADVANCED MICRO DEVICES

DEVICE ORDER NUMBER FORMAT



PACKAGE CROSS REFERENCE

PACKAGE	AMD	FAIRCHILD
Dual In-Line Ceramic	U7B, E, F, G, U6N, U6B, U6A	D
Dual In-Line Plastic	U6E, U6M, A, B, C	P
Flatpak	U4L, U4M, U3I, M, N, P	F

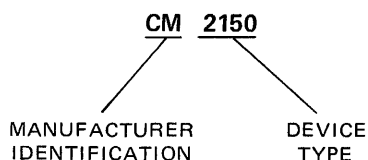
TEMPERATURE RANGE CROSS REFERENCE

TEMPERATURE RANGE	AMD	FAIRCHILD
COMMERCIAL 0°C to +70°C/75°C	C, 59X	C
MILITARY -55°C to +125°C	M, 51X	M

AMD	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	AMD	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	AMD	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT
2501		9366	9306	9306		9324	9324	
2505		9344	9308	9308		93L24	93L24	
2506		9341	93L08	93L08		9328	9328	
2600		9600	9309	9309		93L28	93L28	
2602		9602	93L09	93L09		9338	9338	
26L02		96L02	9310	9310		93L38		9338
2614		9614	93L10	93L10		9340	9340	
2615		9615	9311	9311		93L40	93L40	
2700		93410	93L11	93L11		9341	9341	
3101	93403		9312	9312		93L41		9341
31L01		93403	93L12	93L12		9342	9342	
54181	9341		9314	9314		9600	9600	
54182	9342		93L14	93L14		9601	9601	
9300	9300		9316	9316		9602	9602	
93L00	93L00		93L16	93L16		96L02	96L02	
9301	9301		9318	9318		9614	9614	
93L01	93L01		93L18	93L18		9620	9620	
9304	9304		9322	9322		9621	9621	
			93L22	93L22				

CMI – COMPUTER MICROTECHNOLOGY INC.

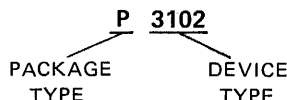
DEVICE ORDER NUMBER FORMAT



CMI	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT
2100	93403	
2150	93410	
2800		93406
2850	93406	

INTEL

DEVICE ORDER NUMBER FORMAT



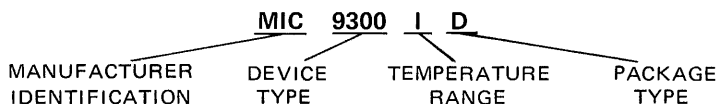
PACKAGE CROSS REFERENCE

PACKAGE	INTEL	FAIRCHILD
Dual In-Line Ceramic	C	D
Dual In-Line Plastic	P	P

INTEL	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	INTEL	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	INTEL	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT
3101	93403		3106		93410	3202	93401	
3101A		93403	3106A		93410	3205		9301
3102	93400		3107		93410	3404		9314
3104	93402		3107A		93410	3301	93406	

ITT SEMICONDUCTORS

DEVICE ORDER NUMBER FORMAT



PACKAGE CROSS REFERENCE

PACKAGE	ITT	FAIRCHILD
Dual In-Line Ceramic	D	D
Dual In-Line Plastic	—	P
Flatpak	B	F

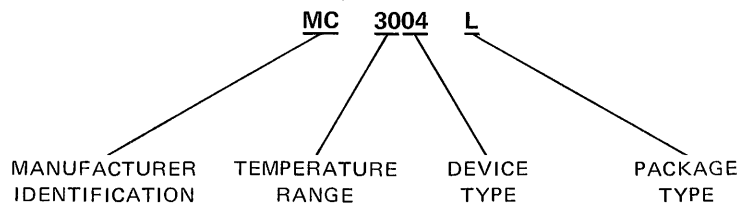
TEMPERATURE RANGE CROSS REFERENCE

TEMPERATURE RANGE	ITT	FAIRCHILD
COMMERCIAL 0°C to +70°C/75°C	5	C
MILITARY -55°C to +125°C	1	M

ITT	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	ITT	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	ITT	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT
5033	93407	93433	9008	9008		9033	93433	93407
9000	9000		9009	9009		9300	9300	
9001	9001		9014	9014		9301	9301	
9002	9002		9015	9015		9304	9304	
9003	9003		9016	9016		9309	9309	
9004	9004		9017	9017		9312	9312	
9005	9005		9022	9022		9316	9316	
9006	9006		9024	9024		9601	9601	
9007	9007							

MOTOROLA

DEVICE ORDER NUMBER FORMAT



PACKAGE CROSS REFERENCE

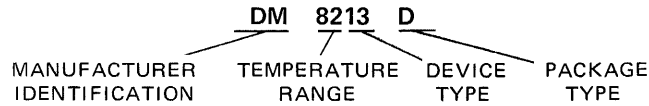
PACKAGE	MOTOROLA	FAIRCHILD
Dual In-Line Ceramic	L	D
Dual In-Line Plastic	P	P
Flatpak	F	F

TEMPERATURE RANGE CROSS REFERENCE

TEMPERATURE RANGE	MOTOROLA	FAIRCHILD
COMMERCIAL 0°C to +70°C/75°C	30,40,72,74,83	C
MILITARY -55°C to +125°C	31,43,82,54,93	M

MOTOROLA	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	MOTOROLA	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	MOTOROLA	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT
5400	See T.I. Cross Reference		3025		9H40, 74H40	4018		9316
54H00			3026		9H40, 74H40	4021		9324
7400			3030	9H60, 74H60	4022		9324	
74H00			3031	9H52, 74H52	4023		9305	
3000	9H00, 74H00		3032	9H53, 74H53		4026		9304
3001	9H08, 74H08		3033	9H54, 74H54		4027		9304
3002		9N02, 7402, 9015	3034	9H55, 74H55		4028		9341
3003		9N32, 7432	3054	9H71, 74H71		4032		9342
3004	9H01, 74H01		3055	9H72, 74H72		4035		9314
3005	9H10, 74H10		3060		9H74, 74H74	4037		9314
3006	9H11, 74H11		3061	9S114	9H78, 74H78	4039		9307
3007		9N12, 7412	3062	9S113	9H103, 74H103	4064	93403	
3008	9H04, 74H04		3063	9H73, 74H73		7242	9386	
3009	9H05, 74H05		4000		9309	8242	9386	
3010	9H20, 74H20		4001		93434	8300	9300	
3011	9H21, 74H21		4002(MCM)	93434		8301	9301	
3012	9H22, 74H22		4004	93407	93433	8304	9304	
3015		9H30, 74H30	4005	93407	93433	8308	9308	
3016	9H30, 74H30		4006		9321	8309	9309	
3018	9H62, 74H62		4007		9321	8310	9310	
3019	9H61, 74H61		4008		9348	8311	9311	
3020	9H50, 74H50		4010		9348	8312	9312	
3021		9N86, 7486	4012		9300, 93H72	8316	9316	
3022		9014	4015		93174	8328	9328	
3023	9H51, 74H51		4016		9310	8601	9601	
3024	9H40, 74H40							

**NATIONAL
DEVICE ORDER NUMBER FORMAT**



PACKAGE CROSS REFERENCE

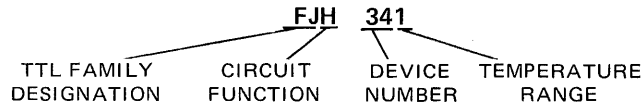
PACKAGE	NATIONAL	FAIRCHILD
Dual In-Line Ceramic Dual In-Line Plastic Flatpak	D N F	D P F

TEMPERATURE RANGE CROSS REFERENCE

TEMPERATURE RANGE	NATIONAL	FAIRCHILD
COMMERCIAL 0°C to +70°C/75°C MILITARY -50°C to +125°C	8,74 7,54	C M

NATIONAL	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	NATIONAL	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	NATIONAL	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	
5400	See T.I. Cross Reference		8290	93196		8533	9393		
54H00			8291	93197		8550	9375		
7400			8300	9300		8551			9314
74H00			8309	9309		8560	9360		
8200			9324	8310		9310	8563		9366
8210		9312	8311	9311	8570	93164			
8211		9312	8312	9312	8580	9395			
8213	9311		8316	9316	8582		93410		
8220		9348	8322	9322	8588	93434			
8223		9321	8520		9305	8590	93165		
8280	93176		8530	9390		8601	9601		
8281	93177		8532	9392		8602	9602		
8283	9383								

**PHILIPS
DEVICE ORDER NUMBER FORMAT**



PACKAGE CROSS REFERENCE

PACKAGE	PHILIPS	FAIRCHILD
Dual In-Line Ceramic Dual In-Line Plastic Flatpak	- A, B -	D P F

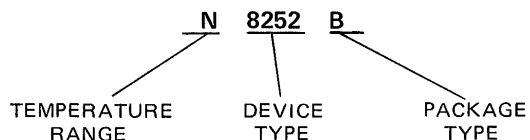
TEMPERATURE RANGE CROSS REFERENCE

TEMPERATURE RANGE	PHILIPS	FAIRCHILD
COMMERCIAL 0°C to +70°C/75°C MILITARY -55°C to +125°C	1 2	C M

PHILIPS	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	PHILIPS	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	PHILIPS	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT		
FJH101	9N30, 7430		FJH261	9352, 7442		FJJ131	9N74, 7474			
FJH111	9N20, 7420		FJH291	9N03, 7403		FJJ141	9390, 7490		9350	
FJH121	9N10, 7410		FJH301	9N26, 7426		FJJ151	9391, 7491			
FJH131	9N00, 7400		FJH311			9N01, 7401	FJJ181		9375, 7475	
FJH141	9N40, 7440		FJH321			9N05, 7405	FJJ191		9N76, 7476	
FJH151	9N50, 7450		FJH331			9348	FJJ211		9393, 7493	9356
FJH161	9N51, 7451		FJH341	9311			FJJ251		9392, 7492	
FJH171	9N53, 7453		FJH351	9312			FJJ261		9N107, 74107	
FJH181	9N54, 7454		FJH391	9322			FJJ321		9300	
FJH191	9380, 7480		FJH401	9309			FJJ401		93191	
FJH201	9382, 7482		FJH431			9311	FJJ411		9366	
FJH211	9383, 7483		FJH441	93151		9312	FJK101		9603, 74121	
FJH221	9N02, 7402		FJH451	9341			FJL101		9315, 7441	
FJH231	9N01, 7401		FJH491			9321	FJY101		9N60, 7460	
FJH241	9N04, 7404		FJJ101	9N70, 7470			FJQ101			9338
FJH251	9N05, 7405		FJJ111	9N72, 7472			FJQ111		93403	
			FJJ121	9N73, 7473			FJR101		93434	

SIGNETICS

DEVICE ORDER NUMBER FORMAT



PACKAGE CROSS REFERENCE

PACKAGE	SIGNETICS	FAIRCHILD
Dual In-Line Ceramic	E, F, Y	D
Dual In-Line Plastic	A, B, N	P
Flatpak	J, Q, P, R	F

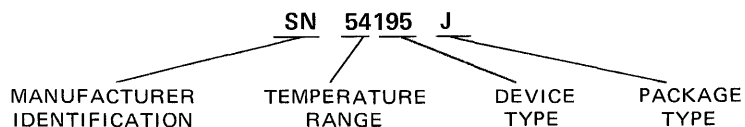
TEMPERATURE RANGE CROSS REFERENCE

TEMPERATURE RANGE	SIGNETICS	FAIRCHILD
COMMERCIAL 0°C to +70°C/75°C	N	C
MILITARY -55°C to +125°C	S	M

SIGNETICS	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	SIGNETICS	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	SIGNETICS	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	
5400	See T.I. Cross Reference		8252	9301		8808		9N30, 7430	
54H00			8260			9341		8815	9N25, 7425
54S00			8261			9342		8816	9N20, 7420
7400			8262			9348		8821	9N76, 7476
74H00			82S62	93S62				8822	9N73, 7473
74S00			8263			9309		8824	9N76, 7476
8206	93410	82S63	9309	8825	9N70, 7470				
8207	93410	8264	9309	8827	9N73, 7473				
8220	93402	82S64	9309	8828	9N74, 7474				
8223	93434	8266	9322	8829	9N72, 7472				
8224	93434	8267	9322	8840	9N50, 7450				
8225	93403	8268	9380	8848	9N53, 7453				
8226		8269	9324	8855	9N40, 7440				
8229		8270	93H72	8870	9N10, 7410				
8230	9312	8271	93179	93H72	8880	9N00, 7400			
82S30	93S12	8275		9314	8881	9N01, 7401			
8231	9313	8276		9391	8885	9N02, 7402			
82S31		8277	9328		8H16	9H20, 74H20			
8232		8280	93176	9310	8H20	9H106			
82S32		8281	93177	9316	8H21	9H108			
8233		8284		93191	8H22	9H108			
82S33		8285		93190	8H70	9H10			
8234		8288		9392	8H90	9H00			
82S34		8290	93196	9310	8T01	9315			
8235		82S90		93S10	8T04	9307			
82S35		8291	93197	9316	8T05	9307			
8241		9N86, 7486	82S91	93S16	8T06	9307			
82S41		9N86, 7486	8292	93L10	8T15	9616			
8242	9386		8293	93L16	8T16	9617			
82S42		9386	8806	9N60, 7460	8T22	9601			

TEXAS INSTRUMENTS

DEVICE ORDER NUMBER FORMAT



PACKAGE CROSS REFERENCE

PACKAGE	T.I.	FAIRCHILD
Dual In-Line Ceramic	J	D
Dual In-Line Plastic	N	P
Flatpak	T, W	F

TEMPERATURE RANGE CROSS REFERENCE

TEMPERATURE RANGE	T.I.	FAIRCHILD
COMMERCIAL 0°C to +75°C/75°C	74, 75	C
MILITARY -55°C to +125°C	54, 55	M

T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT
5400	5400, 9N00	9002	54S20	54S20, 9S20		54H51	54H51, 9H51	
54H00	54H00, 9H00		54H21	54H21, 9H21		54H52	54H52, 9H52	
54L00		9L00	54H22	54H22, 9H22		5453	5453, 9N53	9008
54S00	54S00, 9S00		54S22	54S22, 9S22		54H53	54H53, 9H53	
5401	5401, 9N01	9012	5423	5423, 9N23		5454	5454, 9N54	9008
54H01	54H01, 9H01		5425	5425, 9N25		54H54	54H54, 9H54	
5402	5402, 9N02	9015	5426	5426, 9N26		54H55	54H55, 9H55	
5403	5403, 9N03	9012	5427	5427, 9N27		5460	5460, 9N60	9006
54S03	54S03, 9S03		5430	5430, 9N30	9007	54H60	54H60, 9H60	
5404	5404, 9N04	9016	54H30	54H30, 9H30		54H61	54H61, 9H61	
54H04	54H04, 9H04		5432	5432, 9N32		54H62	54H62, 9H62	
54L04		9L04	5437	5437, 9N37		54S64	54S64, 9S64	
54S04	54S04, 9S04	9S04A	5438	5438, 9N38		54S65	54S65, 9S65	
5405	5405, 9N05	9017	5439	5439, 9N39		5470	5470, 9N70	9001
54H05	54H05, 9H05		5440	5440, 9N40	9009	54H71	54H71, 9H71	
54S05	54S05, 9S05	9S05A	54H40	54H40, 9H40		5472	5472, 9N72	9000
5406	5406, 9N06		54S40	54S40, 9S40		54H72	54H72, 9H72	
5407	5407, 9N07		5441	9315		5473	5473, 9N73	9020
5408	5408, 9N08		5442	5442, 9352	9301	54H73	54H73, 9H73	
54H08	54H08, 9H08		54L42		93L01	5474	5474, 9N74	9024
5409	5409, 9N09		5443	5443, 9353	9311	54H74	54H74, 9H74	9024
5410	5410, 9N10	9003	5444	5444, 9354	9311	54L74		9L24
54H10	54H10, 9H10		5445	5445, 9345		54S74	54S74, 9S74	
5411	5411, 9N11		5446A	5446, 9357A	9317C	5475	5475, 9375	9314
54H11	54H11, 9H11		5447A	5447, 9357B	9317B	5476	5476, 9N76	9022
5412	5412, 9N12		5448	5448, 9358	9307	54H76	54H76, 9H76	
5413	5413, 9N13		5449	5449, 9359	9307	5477	5477, 9377	9314
5416	5416, 9N16		5450	5450, 9N50	9005	54H78	54H78, 9H78	
5417	5417, 9N17		54H50	54H50, 9H50		5480	5480, 9380	9304
5420	5420, 9N20	9004	5451	5451, 9N51	9005	5481	93407	
54H20	54H20, 9H20							

T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT
5482	5482, 9382	9304	54162		9310	7408	7408, 9N08	
5483	5483, 9383	9340	54163		9316	74H08	74H08, 9H08	
5484		93433	54164	54164, 93164		7409	7409, 9N09	
5485		9324	54165	54165, 93165		7410	7410, 9N10	9003
54L85		93L24	54166	54166, 93166		74H10	74H10, 9H10	
5486	5486, 9N86	9014	54170		9338	7411	7411, 9N11	
54L86		9L86	54172		9338	74H11	74H11, 9H11	
54H87	54H87, 93H87		54176	54176, 93176		7412	7412, 9N12	
5488A	93434		54177	54177, 93177		7413	7413, 9N13	
5489	93403		54178	54178, 93178		7416	7416, 9N16	
5490	5490, 9390	9350	54179	54179, 93179		7417	7417, 9N17	
54L90		93L10	54180	54180, 93180	9348	7420	7420, 9N20	9004
5491	5491, 9391		54180	54180, 93180	9348	74H20	74H20, 9H20	
5492	5492, 9392	9305	54181	54181, 9341		74S20	74S20, 9S20	
5493	5493, 9393	9356	54S181	54S181, 93S41		74H21	74H21, 9H21	
54L93		93L16	54182	54182, 9342		74H22	74H22, 9H22	
5494	5494, 9394	9300	54S182	54S182, 93S42		74S22	74S22, 9S22	
5495A	5495, 9395	9300	54H183	54H183, 93H183	9304	7423	7423, 9N23	
54L95		93L00	54184	93434		7425	7425, 9N25	
5496	5496, 9396		54185	93434		7426	7426, 9N26	
54L99		93L00	54187	93406		7427	7427, 9N27	
54100		9308	54190	54190, 93190		7430	7430, 9N30	9007
54H101	54H101, 9H101		54191	54191, 93191		74H30	74H30, 9H30	
54H102	54H102, 9H102		54192	54192, 9360		7432	7432, 9N32	
54H103	54H103, 9H103		54193	54193, 9366		7437	7437, 9N37	
54104	9000		54194		93H72			
54105	9001		54195	9300		7438	7438, 9N38	
54H106	54H106, 9H106		54S195	93S00		7439	7439, 9N39	
54107	54107, 9N107		54196	54196, 93196	9310	7440	7440, 9N40	9009
54H108	54H108, 9H108		54197	54197, 93197	9316	74H40	74H40, 9H40	
54110		9001	54198	54198, 93198		74S40	74S40, 9S40	
54S112	54S112, 9S112		54200		93410	7441A	9315	
54S113	54S113, 9S113		54201		93410	7442	7442, 9352	9301
54S114	54S114, 9S114		7400	7400, 9N00	9002	74L42		93L01
54121	54121, 9603		74H00	74H00, 9H00		7443	7443, 9353	9311
54122		9601	74L00		9L00	7444	7444, 9354	9311
54123		9602	74S00	74S00, 9S00		7445	7445, 9345	
54S140	54S140, 9S140		7401	7401, 9N01	9012	7446A	7446, 9357A	9317C
54145	54145, 93145		74H01	74H01, 9H01		7447A	7447, 9357B	9317B
54150	54150, 93150		7402	7402, 9N02	9015	7448	7448, 9358	9307
54151	54151, 93151	9312	7403	7403, 9N03	9012	7449	7449, 9359	9307
54S151		93S12	74S03	74S03, 9S03		7450	7450, 9N50	9005
54152	54152, 93152	9312	7404	7404, 9N04	9016	74H50	74H50, 9H50	
54153	54153, 93153	9309	74H04	74H04, 9H04		7451	7451, 9N51	9005
54L153		93L09	74L04		9L04	74H51	74H51, 9H51	
54154	9311		74S04	74S04, 9S04	9S04A	74H52	74H52, 9H52	
54155		9321	7405	7405, 9N05	9017	7453	7453, 9N53	9008
54157	9322		74H05	74H05, 9H05		74H53	74H53, 9H53	
54160	9310		74S05	74S05, 9S05	9S05A	7454	7454, 9N54	9008
54161	9316		7406	7406, 9N06		74H54	74H54, 9H54	
			7407	7407, 9N07		74H55	74H55, 9H55	

T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT	T.I.	FAIRCHILD PIN FOR PIN REPLACEMENT	FAIRCHILD FUNCTIONAL EQUIVALENT
7460	7460, 9N60	9006	74105	9001		74194		93H72
74H60	74H60, 9H60		74H106	74H106, 9H106		74195	9300	
74H61	74H61, 9H61		74107	74107, 9N107	9020	74S195	93S00	
74H62	74H62, 9H62		74H108	74H108, 9H108		74196	74196, 93196	9310
74S64	74S64, 9S64		74S109	74S109, 9S109		74197	74197, 93197	9316
74S65	74S65, 9S65		74110		9001	74198	74198, 93198	
7470	7470, 9N70	9001	74S112	74S112, 9S112		74200		93410
74H71	74H71, 9H71		74S113	74S113, 9S113		74201		93410
7472	7472, 9N72	9000	74S114	74S114, 9S114				
74H72	74H72, 9N72		74121	74121, 9603				
7473	7473, 9N73	9020	74122		9601			
74H73	74H73, 9H73		74123		9602			
7474	7474, 9N74		74S140	74S140, 9S140				
74H74	74H74, 9H74	9024	74141	74141, 93141				
74L74		9L24	74145	74145, 93145				
74S74	74S74, 9S74		74150	74150, 93150				
7475	7475, 9375	9314	74151	74151, 93151	9312			
7476	7476, 9N76	9022	74S151		93S12			
74H76	74H76, 9H76		74152	74152, 93152	9312			
7477	7477, 9377	9314	74153	74153, 93153	9309			
74H78	74H78, 9H78		74L153		93L09			
7480	7480, 9380	9304	74154	9311				
7481	93407		74155		9321			
7482	7482, 9382	9304	74157	9322				
7483	7483, 9383	9340	74160	9310				
7484		93433	74161	9316				
7485		9324	74162		9310			
74L85		93L24	74163		9316			
7486	7486, 9N86	9014	74164	74164, 93164				
74L86		9L86	74165	74165, 93165				
74H87	74H87, 93H87		74166	74166, 93166				
7488A	93434		74170		9338			
7489	93403		74172		9338			
7490	7490, 9390	9350	74176	74176, 93176				
74L90		93L10	74177	74177, 93177				
7491	7491, 9391		74178	74178, 93178				
7492	7492, 9392		74179	74179, 93179				
7493	7493, 9392	9356	74180	74180, 93180	9348			
74L93		93L16	74181	74181, 9341				
7494	7494, 9394	9300	74S181	74S181, 93S41				
7495A	7495, 9395	9300	74182	74182, 9342				
74L95		93L00	74S182	74S182, 93S42				
7496	7496, 9396		74H183	74H183, 93H183	9304			
74L99		93L00	74184	93434 (Option)				
74100		9308	74185	93434 (Option)				
74H10	74H101, 9H101		74187	93406				
74H10	74H102, 9H102		74190	74190, 93190				
74H10	74H103, 9H103		74191	74191, 93191				
74104	9000		74192	74192, 9360				
			74193	74193, 9366				