

ALPHANUMERIC INDEX — CROSS-REFERENCE (Continued)

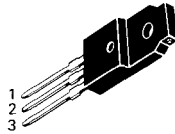
Industry Part Number	Motorola Direct Replacement	Motorola Similar Replacement	Page Number	Industry Part Number	Motorola Direct Replacement	Motorola Similar Replacement	Page Number
BUX82	BUX84 BUX85	2N6545	3-221	D41D7		2N4919	3-75
BUX83		2N6545	3-221	D41D8		2N4919	3-75
BUX84			3-513	D41E1		2N4918	3-75
BUX85			3-513	D41E5		2N4919	3-75
BUX86		MJE13003	3-938	D41E7		2N4920	3-75
BUX87		MJE13003	3-938	D41K1		MJE700	3-888
BUX80	BU326A BU326A BU326A	2N6547	3-225	D41K2		MJE700	3-888
BUX97			3-363	D41K3		MJE700	3-888
BUX97A			3-363	D41K4		MJE700	3-888
BUX97B			3-363	D42C1		MJE180	3-862
BUX98	BUX98A MJ410 MJ411	BUS98	3-386	D42C2		MJE180	3-862
BUX98A		BUS98A	3-386	D42C3		MJE180	3-862
BUX98A		—	—	D42C4		MJE171	3-862
BUY29			3-522	D42C5		MJE171	3-862
BUY30			3-522	D42C6		MJE171	3-862
BUY49P		MJE340	3-876	D42C7		MJE171	3-862
BUY69A	BUX47A		3-499	D42C8		MJE171	3-862
BUY69B	BUX47		3-499	D42C9		MJE171	3-862
BUY69C	2N6306		3-181	D43C1		MJE180	3-862
BUY70A	BU326A		3-363	D43C2		MJE180	3-862
BUY70B	BU326A BU326A		3-363	D43C3		MJE180	3-862
BUY70C			3-363	D43C4		MJE171	3-862
D40C1		MJE800	3-888	D43C5		MJE171	3-862
D40C2		MJE800	3-888	D43C6		MJE171	3-862
D40C4		MJE800	3-888	D43C7		MJE171	3-862
D40C5		MJE800	3-888	D43C8		MJE171	3-862
D40D1		MJE180	3-862	D43C9		MJE171	3-862
D40D10		MJE182	3-862	D44C1		MJE171	3-862
D40D11		MJE182	3-862	D44C10		D44E3	3-516
D40D13		MJE182	3-862	D44C11		D44E3	3-516
D40D14		MJE182	3-862	D44C12		D44E3	3-516
D40D2		MJE180	3-862	D44C3	D44E1	TIP126	3-1098
D40D3		MJE180	3-862	D44C4		D44E3	3-516
D40D4		MJE181	3-862	D44C5		D44E3	3-516
D40D5		MJE181	3-862	D44C6		D44E3	3-516
D40D7		MJE181	3-862	D44C7		D44E3	3-516
D40D8		MJE181	3-862	D44C8		D44E3	3-516
D40E1		MJE180	3-862	D44C9		D44E3	3-516
D40E5		MJE181	3-862	D44D1		2N6386	3-199
D40E7		MJE182	3-862	D44D2		2N6386	3-199
D40K1		MJE800	3-888	D44D3		2N6043	3-139
D40K2		MJE800	3-888	D44D4		2N6043	3-139
D40K3		MJE800	3-888	D44D5		2N6044	3-139
D40K4		MJE800	3-888	D44D6		2N6044	3-139
D40N1		MJE340	3-876	D44E1		2N6044	3-516
D40N2		MJE340	3-876	D44E2	D44E3 D44E3 D44H5 D44H10 D44H11		3-516
D40N3		MJE340	3-876	D44E3			3-516
D40N4		MJE340	3-876	D44H1			3-518
D40P1		MJE341	3-876	D44H10			3-518
D40P3		MJE344	3-878	D44H11			3-518
D40P5		MJE340	3-876	D44H2		D44H5	3-518
D41C2		D44H1	3-518	D44H4	D44H5 D44H5 D44H7 D44H8		3-518
D41D1		2N4918	3-75	D44H5			3-518
D41D10		2N4920	3-75	D44H7			3-518
D41D11		2N4920	3-75	D44H8			3-518
D41D13		2N4920	3-75	D44R1		TIP47	3-1087
D41D14		2N4920	3-75	D44R2		TIP47	3-1087
D41D2		2N4918	3-75	D44R3		TIP48	3-1087
D41D4		2N4919	3-75	D44R4		TIP48	3-1087
D41D5		2N4919	3-75	D44R5		TIP47	3-1087

*Consult Motorola if a direct replacement is necessary.

TABLE 5 — PLASTIC TO-220 (continued)

I _C Cont Amps Max	V _{CEO} (sus) Volts Min	Device Type		h _{FE} Min/Max	@ I _C Amp	Resistive Switching			f _T MHz Min	P _D (Case) Watts @ 25°C
		NPN	PNP			t _s μs Max	t _f μs Max	@ I _C Amp		
10	60	D44H7	D45H7	20 min	4					50
		D44H8	D45H8	40 min	4					50
				40 min	4					50
		MJE2801T		25/100	3					75
		MJE3055T	MJE2955T	20/70	4					75
		2N6387##	2N6667##	1k/20k	5				20#	65
		SE9300##	SE9400##	1k min	4				1#	70
	80	BDX33B##	BDX34B##	750 min	3				3	70
		BD809	BD810	15 min	4				1.5	90
		D44E3##		1000 min	5	2 typ	0.5 typ	10		50
			D45H12	40 min	4					50
		2N6388##	2N6668##	1k/20k	5				20#	65
		D44H10	D45H10	20 min	4	0.5 typ	0.14 typ	5	50 typ	50
12	100	D44H11	D45H11	40 min	4	0.5 typ	0.14 typ	5	50 typ	50
		SE9301##	SE9401##	1k min	4				1#	70
		BDX33C##	BDX34C##	750 min	3				3	70
		SE9302##	SE9402##	1k min	4				1#	70
	300	MJE13008		6/30	8	3	0.7	8	4	100
	400	MJE13009		6/30	8	3	0.7	8	4	100
15	30	D44VH1	D45VH1	20 min	4	0.7	0.09	8	50 typ	83
	40	2N6486	2N6489	20/150	5	0.6 typ	0.3 typ	5	5	75
	45	BDW39	BDW44	1 k min	5	1 typ	1.5 typ	5	4	85
		D44VH4	D45VH4	20 min	4	0.5	0.09	8	50 typ	83
	60	2N6487	2N6490	20/150	5	0.6 typ	0.3 typ	5	5	75
		BDW40	BDW45	1 k min	5	1 typ	1.5 typ	5	4	85
		D44VH7		20 min	4	0.5	0.09	8	50 typ	85
	80	2N6488	2N6491	20/150	5	0.6 typ	0.3 typ	5	5	75
		BDW41	BDW46	1 k min	5	1 typ	1.5 typ	5	4	85
		D44VH10	D45VH10	20 min	4	0.5	0.09	8	50 typ	83
100	BDW42	BDW47		1 k min	5	1 typ	1.5 typ	5	4	85
	120	BDW43	BDW48	1 k min	5	1 typ	1.5 typ	5	4	85

|h_{FE}| @ 1 MHz, ## Darlington

TABLE 6 — PLASTIC Full Pak (TO-220 Type)

CASE 221C-02

I _C Cont Amps Max	V _{CEO} (sus) Volts Min	Device Type		h _{FE} Min/Max	@ I _C Amp	Resistive Switching			f _T MHz Min	P _D (Case) Watts @ 25°C
		NPN	PNP			t _s μs Max	t _f μs Max	@ I _C Amp		
1	250	MJF47		30/150	0.3	2 typ	0.17 typ	0.3	10	28
5	100	MJF122##	MJF127##	2000 min	3	1.5 typ	1.5 typ	3	4#	28
8	80		MJF6107	30/90	2	0.5 typ	0.13 typ	2	4	35
	100	MJF102##	MJF107##	3000 min	3	1.5 typ	1.5 typ	3	4#	35
	150	MJF15030	MJF15031	40 min	3	1 typ	0.15 typ	3	30	35
10	60	MJF3055	MJF2955	20/100	4				2	40

|h_{FE}| @ 1 MHz, ## Darlington