



Pan-Com International
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 Sheet 1

PANAXIS FMX FMB TX

PARTS LIST

Qty.	Description	Value	Part#	ID Code
1	1/4 Resistor	3.9K	R1	OR/WH/RD
1	" "	16K / 11K	R2*	BR/BL/OR / BR/BR/OR
1	" "	5.1K	R3	GR/BR/RD
1	" "	4.7K	R16	YL/VI/RD
1	" "	180K	R4*	BR/GY/YL
1	" "	2.2K	R5	RD/RD/RD
6	" "	1K	R6, 9, 17, 23, 36, Rx*	BR/BK/RD
2	" "	47K	R7, 24	YL/VI/OR
1	" "	2.7K	R8	RD/VI/RD
7	" "	10	R10, 12, 15, 18, 20, 21, 28A	BR/BK/BK
4	" "	100	R4*, 13, 14, 22	BR/BK/BR
2	" "	22	R11, 19	RD/RD/BK
2	" "	22K	R25, L4*	RD/RD/OR
6	" "	10K	R27, 28, 31, 32, 33, 34	BR/BK/OR
2	" "	470	R26, 29	YL/VI/BR
1	" "	1M	R30	BR/BK/GR
1	1W Resistor not included	22/1W	R35	RD/RD/BK
1	Capacitor	.0047uF	C1	For dc decoupling if required
5	Electrolytic	10uF	C2	472
8	Capacitor	.1uF	C3, 17, 20, 24, 27	10uF/25V
5	" "	.001uF	C4, 6, 12, 13, 21, 26, 28,29	104
2	" "	100pF	C5, 10, 11, 14, 19	102
2	" "	47pF	C7, 8	101
2	" "	47pF	C9, 23	470
2	" "	47pF	C15, 16	470 or just 47 if disc type cap
1	Trimmer	5-30pF	C22	Yellow top
1	Capacitor	10pF	C22A	100
1	Electrolytic	2200uF	C25	2200uF/25V
14	Diode	1N4148	D1-12, 17, 18	Glass diode
2	Indicator	LED	D13, 14	Red LED
1	Rectifier	BRIDGE	D20	Round w/4 leads
1	Varactor	MV104G	D21	Half round, black, 3 leads
2	Transistor	2N5109	Q1, 2	Round metal can w/3 leads
2	Transistor	2N3904	Q3, 4	Half round, black, 3 leads
1	Regulator	78L06	Q5	Half round, black, tall, 3 leads
1	PLL	MC145170P1	U1	16 pin IC
1	MicroP	16C52	U2	18 pin IC
5	RF Choke	10uH	L1, 2, 3, 9, 10	BR/BK/BK on green body
0	RF Choke	22K resistor	L4	RD/RD/OR (included with R25, 28)
2	RF Choke	.47uH	L6,7	YL/VI/SILVER on green body
1	Var Inductor	120nH Can	L5	Square metal can, green inside
1	Var Inductor	100nH Can	L8	Square metal can, yellow inside
1	Audio Trans	42TL021	T1	Blue transformer, 6 leads
3	BCD Switch	94HAB10	S1, 2, 3	Square with numbers
1	Crystal	4.0Mhz xtal	X1	Flat metal can w/2 leads
4	2-pin head	2-pin header	J2, 3, 4, 6 (9)	2-pin, black base
1	3-pin head	3-pin header	J1	3-pin, black base
	not included	Ext audio jack	J5	Included in ENC3 kit
1	Type F jack	J7		Threaded, 3 tab mounting
1	DC jack	J8		Black, hole and pin, 3 tabs
1	18 pin socket	LPD16		Observe dimple at one end
1	16 pin socket	LPD18		Observe dimple at one end
2	Header Short	2-pin		Black square, slides on headers
1	Header Plug	2-pin		Black square w/insert pins
2	TO5 mounts			Round plastic w/3 holes
1	TO5 heat sink			Black ring pushes onto Q2
1	Circuit Board	FMX-PC	PCB	Circuit Board
4	Screws	4-40		Mounting hardware
4	Nuts	4-40 thin		Mounting hardware
4	Spacers	1/4" Alum.		Mounting hardware

*See text

