

		DRTXM2 TRANSMITTER BILL OF MATERIAL
IDENT	QTY	PART NUMBER DESCRIPTION
H1	8	Right Angle LED Mount
	0	0.01uf 50V Ceramic Disc Capacitor
C1-5,7,10-11 ,15,17-18,20, 22-28,34,38, 43-46,49-53,1A,2A	31	0.1 UF/50V Decoupling Capacitors
C13,14,39-42	6	1000 pF 50V Ceramic Disc Cap
C31	1	100 pF 50V Ceramic Capacitor
C35	1	470 pF 50V Ceramic disc Cap radial
C38	1	1UF 100V Metalized film Cap
C33	1	3300PF Polyester Film Cap
C32	1	0.022 UF 50V Polyester Film Cap
C30	1	0.056 UF Film Capacitor
C54	1	0.22 UF 100V Polyester Film Cap
C6,9	2	1000 UF/35V Electrolytic Capacitor
C8	1	1000 UF/50V Non-Polarized Electrolytic Capacitor
C55	1	100 UF/25V Electrolytic Capacitor
C56	1	220 UF/16V Low Electrolytic ESR Capacitor
C59,60	2	.01uf monolithic 50V cap
C57	1	27 pF 500V Silver Mica Capacitor
C37	1	470 pF 500V Silver Mica
C3A,4A,12,16, 19, 29	6	10 UF 25V Tantalum Capacitor
C21	1	1UF 35V Tantalum Cap
C58	1	2-12pF NPO Trimcap
P3A	1	Single Row Female Header
P3B	1	Rt. Angle Single-Row Male Header
J1	1	SO-259 Bulkhead connector (83-1R)
U12	1	MOLEX 2156 Connector
	0	1N60 Diode
D1,17	2	1N4001 Diode
D3,5,8,12,14	5	1N4148 Diode
Z1-6	6	1N4749A 24V Zener Diode
D15,16	2	610 Diode
RFC5C	1	Ferrite Bead (FB-64-101)
RFC1A,B,C	11	Ferrite Bead (FB-75B-101)
F1-4	4	RXE110 Resetable Fuse
	0	RUE300 Resetable Fuse
F5	1	RUE400 Resetable Fuse
H2	2	Circular Finned Heatsink
U14	1	TL074-CN
U8	1	TL071CP
U2	1	SN74HCT04N
U50	1	SN74HCT109N

U4	1	SN74HCT161
U15	1	MC3340P
U3,5,11	3	LM339N
U13,16	2	LM3914N
U9	1	LT1013-CN8
U7	1	TDA1516CQ (or TDA1516BQ)
U10	1	LM7805 (LM340T5-7805)
J1	1	Right Angle RCA Jack
P2	1	6-4 Modular RJ-11 Jack (Top Entry)
H3	2	Plastic Handles
LED1-20	20	Red T1 LED
D11	1	Yellow T 1 3/4 LED
D10,13	2	Red T 1 3/4 LED
D2,4,6,7,9	5	Green T 1 3/4 LED
Q1-4	4	MTP7N20E MOSFET [TO-220 Package]
U1,6	2	ICL-7667 MOSFET Driver
H4	11	4-40 Nuts
H5	2	M2.5 X 45P Nut
H6	4	4-40 Nuts w/Nylon insert
H7	1	DRTXM2 Front Panel
PC2	1	DRTXM2DTR PCB Board (LED Board)
PC1	1	DRTXM2MAIN PCB Board (Main Board)
H8	1	ID Plate (Blank)
H9	1	ID Plate (HIS Logo)
P1	1	96-Pin Right Angle Male
R46	1	5k Sideturn Trimpot
R55,58	2	20k Topturn Trimpot
R35	1	100k Sideturn Trimpot
R37,R38,R40	3	100k 5% Resistor
R52,18,19,39	9	10k 5% Resistor
R7,49	2	1k 5% Resistor
R53,56	8	1M 5% Resistor
R22	1	2.2M 5% Resistor
R50	1	22 ~ 5% Resistor 1/4Watt
R6,R64,R65	3	22k 5% Resistor
R41	1	5.1k 5% Resistor
R59	1	51 ~ 5% Resistor
R32	1	680 ~ 5% Resistor
R60	1	1.50k 1% Resistor
R54,R57,R89	4	10.0k 1% Resistor
R12,17,25,61,62	5	1.00k 1% Resistor
R33	1	2.26k 1% Resistor
R63	1	2.32k 1% Resistor
R3	1	24.9k 1% Resistor
R43-45	3	3.40k 1% Resistor
R42,51	2	30.9~ 1% Resistor (was 33.2())
R4	1	49.9k 1% Resistor
R5	1	5.11k 1% Resistor
R30	1	750.0~1% Resistor

R1,2	2	10 Ohm 5% 1/2 W Resistor
R47	1	10k 6-pin SIP
S1P2	1	2.2k 10-pin SIP
H10	4	Retainer Sleeves
H11	5	4-40 1/2" Pan Head Screw
H12	1	6-32 1/4" Pan Head Screw
H13	2	M2.5 X 16 Screw
H14	4	Captive Screws
H15	1	4 Pin socket for the oscillator
H16	4	4-40 Nylon 3/8" Spacers (round, 1/4" diameter)
S5	1	4T3P Slide Switch
S3,4	2	1-Pos DIP Switch
S1,2	2	8-Position DIP switch
S5	1	Panel Power Switch
T4	1	Toroid (FT-50A-77)
T3	1	600:600 Transformer
H17	5	4-40 Lock Washers (split)
H18	1	4-40 Solder Lug Washer
W1	2	18 AWG Red-Black Zipcord Wire
W2	1	18 AWG Insulated Wire
W3	1	20 AWG Buswire
W4	1	24 AWG Copper Enamel Bell Wire
		RETURN AS SUB-ASSEMBLY P/N 804-DRTXM2
		TRANSFORMER COMPONENTS
		P/N 704-DRTXM2 TRANSFORMER KIT
		ORIGINAL DATE 990310
IDENT	QTY	PART NUMBER DESCRIPTION
T1B	1	Plastic Bobbin
T1F	1	Ungapped Pot Core Ferrite 3D3 2250 material
S6	1	Electroswitch 12-position shaft PC-pin rotary
H1	1	3/8" Electrical tape 3M #1318
T2	1	Audio Transformer
W1	1	20 awg Copper Enamel Bell Wire
H19	8	MOSFET Insulating pads
H20	1	#10 Nylon Nut
H21	4	6-32 Nylon Hex Nut
H22	4	6-32 Nuts w/Nylon insert
H23	8	M2.9x9.5 [or M3.0x8] Oval Head self-tapping screw
H24	8	M2.5x4.5 (use M2.5 x 5)
H25	4	6-32 1/2" Pan Head Screw
H26	1	#10 Nylon screw
H27	4	6-32 x 1" Nylon Screw (Flat Head)
H28	1	4" nylon cable tie
H29	1	4-40 Solder Lug Washer
W5	4	24awg inductor silver tinned insul.wire natural

W6	1	20awg inductor silver tinned insul.wire black
		FILTER COMPONENTS (depends on freq.)
		P/N 704-DRTXM2 FILTER KIT
		ORIGINAL DATE 990310
IDENT	QTY	PART NUMBER DESCRIPTION
H30	3	Plastic Bobbin
H31	3	Metal Clamp
H32	1	Schroff Enclosure Kit
LF1-3F	3	Pot Core Ferrite 3D3 100 Material
LF1-3A	3	Gray Screw Core
H33	1	3/8" Electrical tape 3M #1318
W7	1	20 awg Copper Enamel Bell Wire
CFX1		1200PF 500vdc Silver Mica Cap
CFX2		1300PF 500vdc Silver Mica Cap
CFX3		1600PF 500vdc Silver Mica Cap
CFX4		2400PF 500vdc Silver Mica Cap
CFX5		2700PF 500vdc Silver Mica Cap
CFX6		3000PF 500vdc Silver Mica Cap
CFX7		3300PF 500vdc Silver Mica Cap
CFX8		3900PF 500vdc Silver Mica Cap
CFX9		4300PF 500vdc Silver Mica Cap
CFX10		5600PF 500vdc Silver Mica Cap
CFX11		6800PF 500vdc Silver Mica Cap
CFX12		7500PF 500vdc Silver Mica Cap
U30X1	1	12.720 Oscillator
U30X2		12.880 Oscillator
U30X3		13.040 Oscillator
U30X4		13.520 Oscillator
U30X5		19.680 Oscillator
U30X6		20.160 Oscillator
W8	1	20awg inductor silver tinned insul.wire natural
		PARTS FOR ENGINEERING CHANGE ORDERS

[illegible]