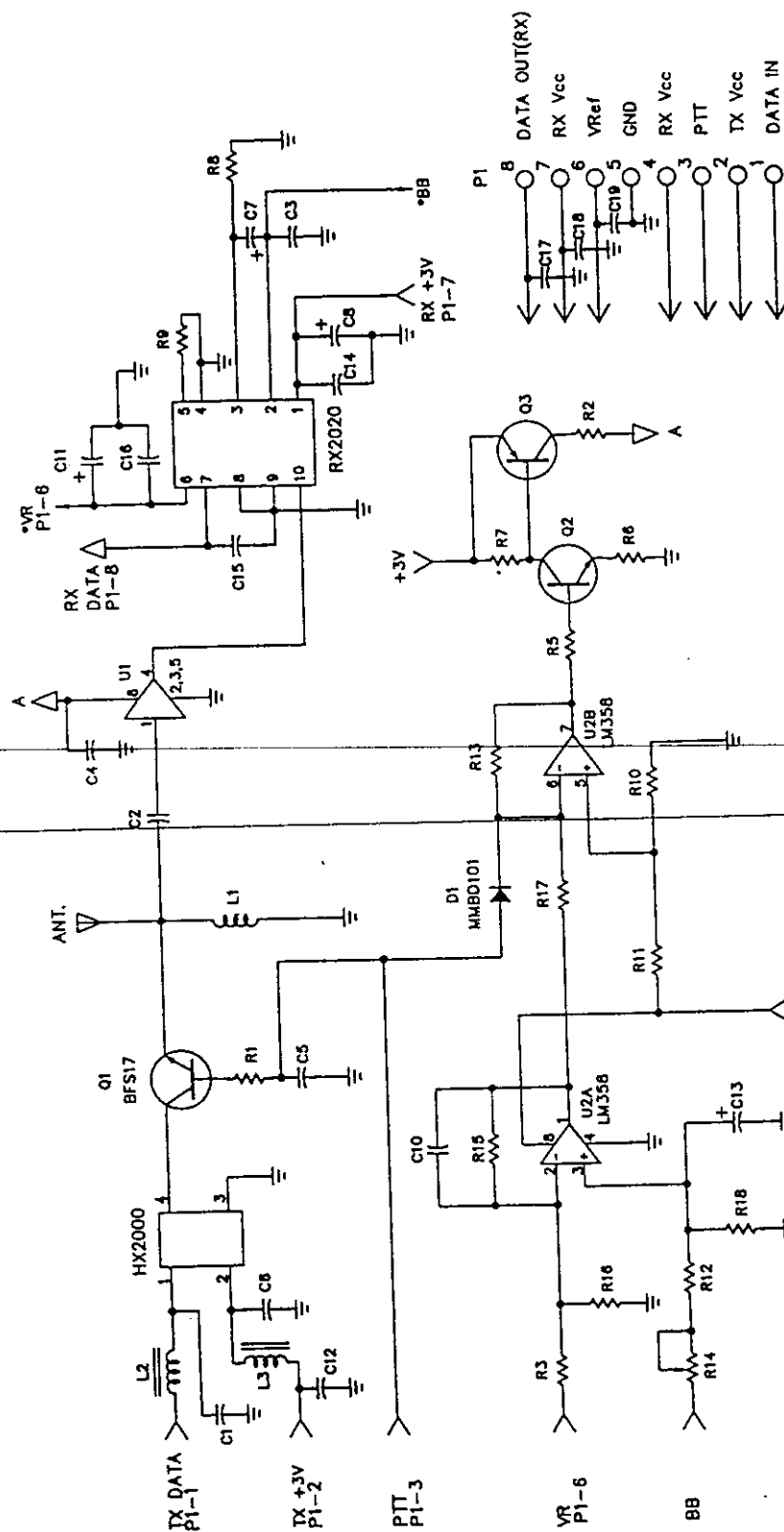


ECN	REV	DESCRIPTION	DATE	APPROVED
	X1			



MATERIAL/FINISH:		<u>UNLESS OTHERWISE SPECIFIED</u> DIMENSIONS ARE IN INCHES(MM) DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1982 DRAWING PREPARED IN ACCORDANCE WITH MIL-STD-100 LINEAR GENERAL TOLERANCING AS FOLLOWS: .XX = ±.01 .XXX = ±.005 .XXXX = ±.0010 ANGULAR = ±0°30'		DRAWN L. MRHA		DATE 10/10/97	RFMonolithics, Inc. DALLAS, TEXAS 75244 USA			
		63/		CHECKED/APPROVED		DATE	TITLE SCHEMATIC, DR1007 916.5 MHz, 11.5 kb/s			
						SIZE B	FSCM NO. 2U874	DWG. NO. 442-1007-003	REV X1	SHEET 1/1

BOM, DR1007, 916.5 MHz, 11.5 kb/s
(c) 1997 RF Monolithics, Inc., Updated 12/17/97

Ref Des	Qty	RFM P/N	Description
PCB1	1	400-1368-001 X3	Printed Circuit Board
HX1	1	HX2000	Hybrid Transmitter
RX1	1	RX2020	ASH Receiver
	0	400-1337-001	Test Proc, DR
	0	442-1007-002	Assy Diag, DR1007
	0	442-1007-003	Sch, DR1007, 916.5 Mhz
	0	442-1007-004	Test Spec, DR1007
Q1	1	500-0298-001	Transistor, SMT, BFS17
Q2	1	500-0183-001	XSTR, SOT, MMBT2222L
Q3	1	500-0653-001	XSTR, PNP, MMBT2907L
D1	1	500-0142-001	Schottky Diode, SMT, MMBD101
U1	1		MMIC, UPC2746TB, NEC
U2	1	500-0643-001	Dual OP Amp, SMT, LM358D
L1	1	500-0010-101	Inductor, SMT, 100 nh, Coilcraft 1008CS-101
L2, L3	2	500-0693-001	Ferrite Bead, SMT (Fair-Rite 2743021447)
P1	1	500-0644-001	Header, 8 Pins, Molex 22-03-2081
C8	1	500-0244-106	Capacitor, SMT, 10uf, Kemet T491B106K006AS
C9			Not Used on DR1007
C11, C13	2	500-0243-105	Capacitor, SMT, 1uf, Kemet T491A105K016AS
C7, C10	2	500-0623-104	Capacitor, SMT, 0.1 uf (0805)
C2, C4, C5	3	500-0003-101	Capacitor, SMT, 100pf (0805)
C1, C6, C12	3	500-0003-330	Capacitor, SMT, 33pf, 5%, (0805)
C3, C14, C15, C16, C17, C18, C19	7	500-0003-270	Capacitor, SMT, 27pf, 5%, (0805)
R1, R7	2	500-0022-222	Res, Chip, 2.2 K, .2W, 5% (0805)
R2	1	500-0022-100	Res, Chip, 10, .2W, 5% (0805)
R4			Not Used on DR1007
R5	1	500-0022-103	Res, Chip, 10 K, .2W, 5% (0805)
R6	1	500-0022-511	Res, Chip, 510, .2W, 5% (0805)
R8	1	500-0022-106	Res, Chip, 10M, .2W, 5% (0805)
R15	1	500-0022-685	Res, Chip, 6.8M, .2W, 5% (0805)
R14	1	500-0645-001	Potentiometer, SMT, Spectrol Type 4M504
R16, R18	2	500-0022-105	Res, Chip, 1.0M, .2W, STD (0805)
R13, R17	2	500-0022-104	Res, Chip, 100K, .2W, STD (0805)
R11	1	500-0022-223	Res, Chip, 22K, .2W, STD (0805)
R10	1	500-0022-822	Res, Chip, 8.2K, .2W, STD (0805)
R3, R12	2	500-0022-204	Res, Chip, 200K, .2W, STD (0805)
R9	1	500-0668-001	0.0 Ohm Jumper (0805)

