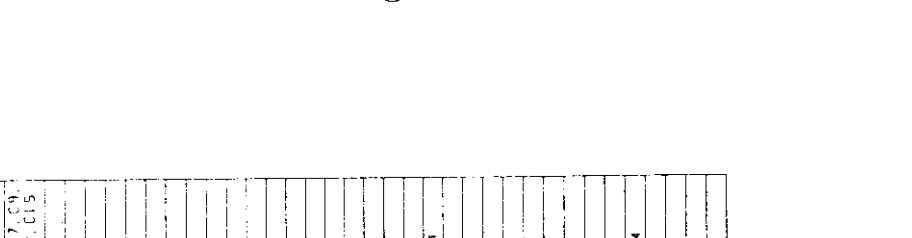
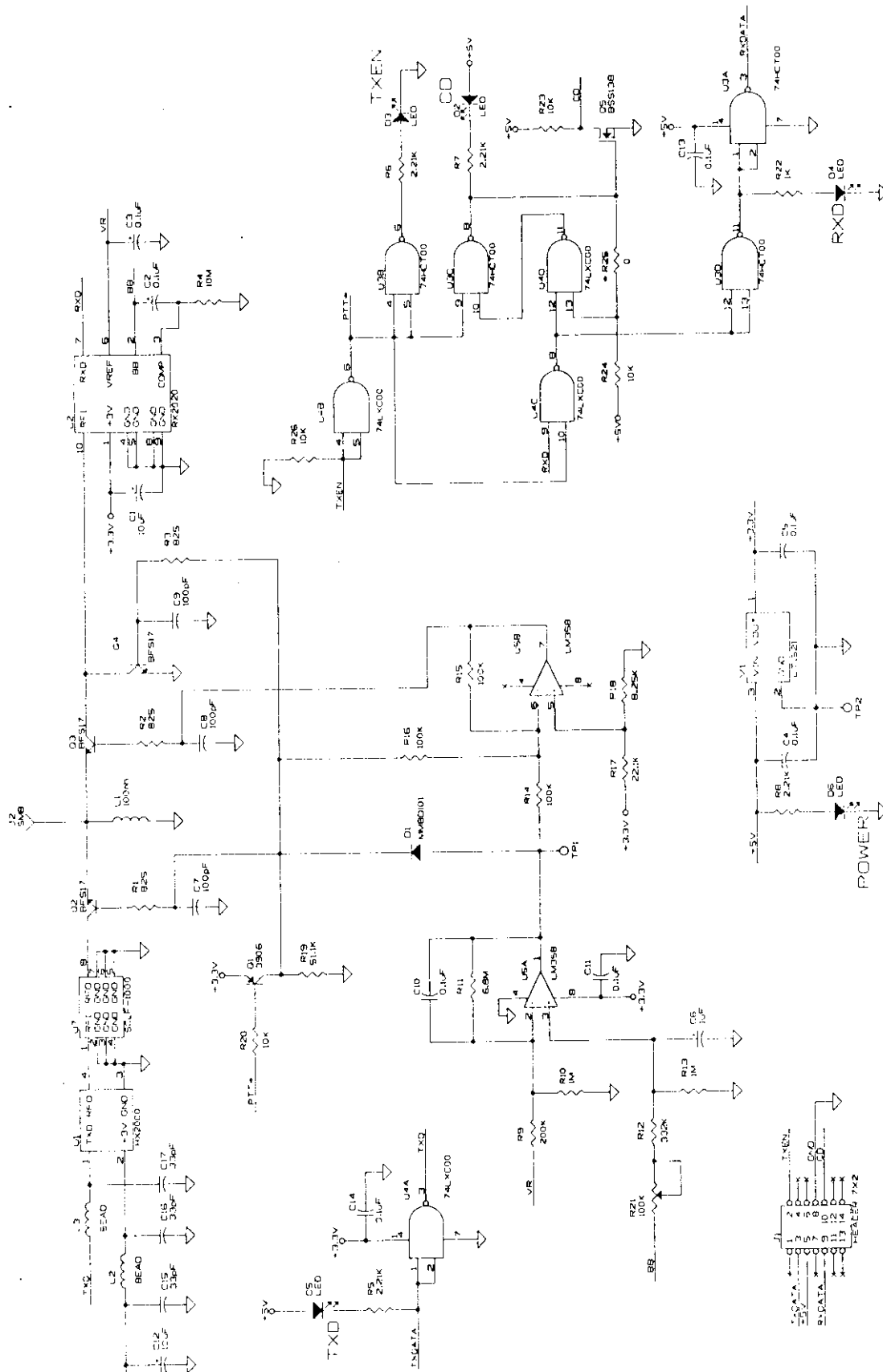


NOTES:

1. BOARD MUST CONFORM TO SMITH-WATER SPEC. #230500702, DO NOT CONFORMAL COAT.
2. MOUNT THE FOLLOWING ON SOLID R-SIDE OF BOARD: CN1, CN2, J1-J3, L01-L04.
3. FOR JUMPER PLUGS, ITEM #2, INSTALL ONE ON J4. INSTALL J1-J3 IN NEUTRAL POSITIONS (ONLY ONE POST CONNECTED).
4. PLACE SERIAL NUMBER LABEL IN AREA SHOWN.
5. REFERENCE SCHEMATIC #236022701.
6. FINAL TEST PER TD-2409.
7. USE FILE #236020750 FOR SOLDER PASTE STENCIL.
8. BURN-IN PER SPEC. #230500704.
9. CUT RED WIRE (ITEM #6) AND BLACK WIRE (ITEM #5) TO 250" AND STRIP BOTH ENDS OF EACH WIRE TO 1/25". SOLDER THE RED WIRE FROM CN3+ TO THE POSITIVE TERMINAL OF ITEM #3 AND SOLDER THE BLACK WIRE FROM CN3- TO THE NEGATIVE TERMINAL OF ITEM #3.

1. BOARD MUST CONFORM TO SWITCH/ETER SPEC. #230500702, DO NOT CONFORMAL COAT.
2. MOUNT THE FOLLOWING ON SOLID R SITE OF BOARD: CNI, CNI2, J1-J3, L01-L04.
3. FOR JUAER PLUGS, ITEM #2, INSTALL ONE ON J4, INST ALL J1-J3 IN NEUTRAL POSITIONS (ONLY ONE POST CONNECTED).
4. PLACE SERIAL NUMBER LABEL IN AREA SHOWN.
5. REFERENCE SCHEMATIC #2365227701.
6. FINAL TEST PER TO-2409.
7. USE FILE #236522750 FOR SOLDER PASTE STENCIL.
8. BURN-IN PER SPEC #230500704.
9. CUT RED WIRE (ITEM #6) AND BLACK WIRE (ITEM #5) TO 250" AND STRIP BOTH ENDS OF EACH WIRE TO 125". SOLDER THE RED WIRE FROM CNI2+ TO THE POSITIVE TERMINAL OF ITEM #3 AND SOLDER THE BLACK WIRE FROM CNI2- TO THE NEGATIVE TERMINAL OF ITEM #3.



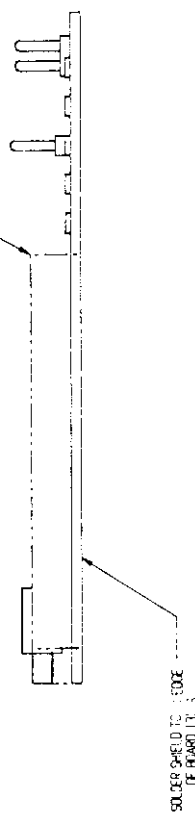


FMC 236025-7-01	
SCHEMATIC, DATA RADIO BOARD	
DATE	TOP-GO RF MODEM OPTION
REV	1
SIZE	10.00
SCALE	1:1
NO	236025-7-01
REV	1
ECN NO.	199900560
REV	1

THE FOLLOWING TOLERANCES APPLY TO THIS PART/DRAWING DES IN CODE	
1	PL DECIMALS
2	PL DECIMALS, FRACTIONS
3	PL DECIMALS
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100	PL DECIMALS

NOTES:

1. ZERO OHM JUMPER FOR LAT-ED CO. WITH JUMPER REMOVED CO FOLLOWS RXD.
2. LAST USED REFERENCE: C17, D6, J2, L3, D5, R26, U7, V1.



PART NUMBER	QTY	DESCRIPTION	ITEM/SYMBOL
23602420	1	BOARD P.C. BASE DATA RADIO	1
646019401	8	CAPACITOR CER. 1UF 50V 10% XPR. 1206 S/M	C11, C13, C14
646019405	3	CAPACITOR CER. 1UF 50V 5% NPO. 1206 S/M	C7, C8
646019420	3	CAPACITOR CER. 330F 50V 5% 1206 S/M	C15, C17
646021462	2	CAPACITOR TAN. 1UF 35V 10% CASE 0 S/M	C1, C12
646021470	1	CAPACITOR TAN. 0.015 35V 20% CASE 0 S/M	C6
6464724183	1	CONNECTOR HEAD. 4 POS. 17 X1 VERT. 1 LLS	J1
6464724184	1	CONNECTOR JACK. 350 3T ANGLE. PEG SOLDERABLE	J2
646571444	1	DIODE SCHOTTKY. MDO101. HOT CARRIER. 500 123 01	D1
6465967407	1	FILTER LOW PASS. 10MHz 51M YN161 CASE	U7
6465837437	2	INDUCTOR BEAD. 45 OHM 0.25MHz. TYPE 43 MAT.	L2, L3
646587438	1	INDUCTOR COIL. 100MHZ 0.25MHz. S/M	L1
646601410	1	INT. CIRCUIT BOARD. 100SBD. DUAL OFF INP/UT. 50-8	J5
646605413	1	INT. CIRCUIT BOARD. FUNCTION. DUAL HAND. SOLIC-14	U3
6466284450	1	INT. CIRCUIT BOARD. 74S-C400. 2-INP/UT. HAND. SOLIC-14	U4
6465894465	1	INT. CIRCUIT BOARD. 1LS21C01-3.3. 50T-223 S/M	V1
6467094437	5	LED INDO SUPER RED. 1/4. 1206 S/M	D2, D6
646922440	1	MODULE RECEIVER. 916.5 MHz RF S/M	U1
646922442	1	MODULE TRANSMITTER. 916.5 MHz RF S/M	U2
6466614473	1	POINT-TO-POINT FILM. 120K. 5 TPN. 1/4 WU S/M	R21
646623440	1	RESISTOR FILM. 10 K. 12M 1% 1206 S/M	R22
646623444	4	RESISTOR FILM. 1 K. 12M 1% 1206 S/M	R20, R23, R4, R5, R16
646623446	2	RESISTOR FILM. 100 K. 12M 1% 1206 S/M	R12
646623447	1	RESISTOR FILM. 322 K. 12M 1% 1206 S/M	R17
646623448	2	RESISTOR FILM. 10 K. 12M 1% 1206 S/M	R10, R13
646623449	4	RESISTOR FILM. 21 K. 12M 1% 1206 S/M	R5, R8
646623464	1	RESISTOR FILM. 8.25 K. 12M 1% 1206 S/M	R18
646623468	1	RESISTOR FILM. 6.8 K. 12M 5% 1206 S/M	R11
646623469	2	RESISTOR FILM. 250 K. 12M 1% 1206 S/M	R9
646623481	1	RESISTOR FILM. 22 K. 12M 1% 1206 S/M	R17
646623482	1	RESISTOR FILM. 51 K. 12M 1% 1206 S/M	R19
646623483	3	RESISTOR FILM. 825 OHM. 12M 1% 1206 S/M	R1, R3
6466284402	1	RESISTOR SPL. 10 M. 12M 5% 1206 S/M	R4
2066257001	AR	SCHEMATIC P.C. BOARD. DATA RADIO	2
554359001	AR	SHIELD DATA RADIO BOARD	2
2305500782	AR	SPEC. MFG/OES. P.C. BOARD	2
6465834219	2	TERMINAL TEST. 50-DCR TYPE. TUBRET. HEAD. 116 H	TPI, TP2
6465974405	1	TRANSISTOR 5550 3906 PNP VCEO=40V. 50T-23	Q1
6465982404	3	TRANSISTOR 6C9. B85738. N-CH ENVO. 50T-23 S/M	Q5
6465982417	3	TRANSISTOR 5550 3906 PNP VCEO=40V. 50T-23 S/M	Q2, Q4
236374705	AP	FILE PWR. SFCN111 DATA RADIO BOARD	R25

1. BOARD MUST CONFORM TO SMITH SPEC. #230506702.
2. PLACE SERIAL NO. LABEL ON SOLDER SIDE OF BOARD.
3. FINAL TEST PER SPEC. 10-2480.
4. REFERENCE SCHEMATIC #236025701.

[illegible]