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COMPANY: AeroComm, Inc.
FCC ID: PJ6-5075TX-F90
MODEL: 5075TX-F
WORK ORDER: 2001007 / QRTL00-1020 {REV-1}

APPENDIX G: BILL OF MATERIALS (PARTS LIST)

PARTS LIST

<p><i>AeroComm, Inc</i> 19516 Amaranth Drive Germantown, MD 20874 301-540-0700</p> 		MODEL / PRODUCT: NI-TECH	NEXT ASSY: 50757-02-11	ASSY TITLE: FIXED FREQ. TX	PART LIST / ASSY NO.: PL50757-03-13					
		PROGRAM MANAGER: JA	CHARGE #: C757	NOTES: 1. ALT. P/N A1P12, VOLTRONICS (.6-12pF) 2. BAND 1 : 477MS-1094A TOKO 860-910 MHz BAND 2 : 477MS-1036A TOKO 910-960 MHz 3. FOR FOUT OF 860-890 MHz USE 492S-1055A TOKO FOR FOUT OF 890-930 MHz USE 492S-1059A TOKO FOR FOUT OF 930-960 MHz USE 492S-1063A TOKO 4. C12 IS 39pF FOR 928.3875 MHZ (P/N: C17AH390J4TXL) C12 IS 75pF FOR 869.5 MHZ (P/N: C17AH750J4TXL) 5. REFER TO TEST PROCEDURE FOR VALUE RANGE						
		ISSUED BY: JJC	DATE: 9/18/2000							
		APPROVED BY:	DATE:							
		REV: D	DATE: 10/26/2000							
FILE: PL757-0313	ECN #: ACI-0180	EFFECTIVE DATE:								
ER #:	ACI-0199									
ITEM	REF DES	AeroComm P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR	
		50757-03-13		ASSEMBLY DRAWING	REF				AEROCOMM	
		50757-04-13		SCHEMATIC	REF				AEROCOMM	
1		50757-07-13		PCB FAB	1				AEROCOMM	
2	U5		78L05ABP	VOLTAGE REG. +5V	1				MOTOROLA	
3	U6		ZR78L05C	VOLTAGE REG. +5V	1				ZETEX	
4	U4		ERA-5	MMIC AMPLIFIER	1				MINI-CIRCUITS	
5	Q1-3		BFR92	NPN HI FREQ XSTR	3				MOTOROLA	
6	C1		C1206C474K5RAC	CAP., CERAMIC CHIP	1	.47uF			KEMET	
7	C2-3 C9 ,C16 , C26 , C36		C1206C104K5RAC	CAP., CER CHIP	8	.1uF			KEMET	
8	C33-34 C39-40 C45		C11CF101J8TXL	CAP., PORCELAIN CHIP	5	100pF			DIELECTRIC	
9	C35		C11AH4R7J5TXL	CAP., PORCELAIN CHIP	1	4.7pF			DIELECTRIC	
10	C6	SEE NOTE 5	C17AHXXJ4TXL	CAP., PORCELAIN CHIP	1	SAT			DIELECTRIC	
11	C10		C17AH470J4TXL	CAP., PORCELAIN CHIP	1	47pF			DIELECTRIC	
12	C11		C17AH181J4TXL	CAP., PORCELAIN CHIP	1	180pF			DIELECTRIC	
13	C14		C17AH750J4TXL	CAP., PORCELAIN CHIP	1	75pF			DIELECTRIC	
14	C13		C17AH6R0J4TXL	CAP., PORCELAIN CHIP	1	6.0pF			DIELECTRIC	
15	C15 ,C18		C17AH120J4TXL	CAP., PORCELAIN CHIP	2	12pF			DIELECTRIC	

PARTS LIST

AeroComm, Inc				ASSY TITLE:	PART LIST NO.: PL50757-03-13				
				FIXED FREQ. TX	REV: D				
ITEM	REF DES	AeroComm P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	SPL	MFR
16	C19		C17AH2R0B4TXL	CAP., PORCELAIN CHIP	1	2pF			DIELECTRIC
17	C20		C17AH150J4TXL	CAP., PORCELAIN CHIP	1	15pF			DIELECTRIC
18	C21		C17AH4R7J4TXL	CAP., PORCELAIN CHIP	1	4.7pF			DIELECTRIC
19	C24		C17AH5R6J4TXL	CAP., PORCELAIN CHIP	1	5.6pF			DIELECTRIC
20	C25 C29		C17AH101J4TXL	CAP., PORCELAIN CHIP	2	100pF			DIELECTRIC
21	C4	SEE NOTE 1	5851	CAPACITOR, VARIABLE	1	.5-5pF			JOHANSON
22	C31 C37 C42 C44		ECS-T1CY105R	CHIP CAP, TANT, 16V	4	1uF			PANASONIC
23	C41 C43		ECS-T1EY105R	CHIP CAP, TANT, 25V	2	1uF			PANASONIC
24	C7 C17 C23 C28 C32 C38		C1206C102J1GAC	CAP., CERAMIC CHIP	6	1000pF			KEMET
25	C27		C1206C101J1GAC	CAP., CERAMIC CHIP	1	100pF			KEMET
26	C5	SEE NOTE 5	C17CFXXB4TXL	CAP., CERAMIC DISC	1	SAT			DIELECTRIC
27	CR3		LM129A	ZENER REF DIODE	1				NATIONAL
28	CR2		1N4001	SMALL SIGNAL DIODE	1				
29	FL2	SEE NOTE 2		FILTER, 2 SEC. HEL.	1				TOKO
30	FL1	SEE NOTE 3		FILTER, 2 SEC. HEL.	1				TOKO
31	L5-7		PTL2012-FR10T	CHIP IND, 0805	3	.10uH			TOKO
32	L8		B09TJ	IND, MINI SPRING B	1	35nH			COILCRAFT
33	L3-4		E558CN-100048	MOLDED COIL	2	53nH			TOKO
34	L1-2		A638AN-0150Z	INDUCTOR, VAR SM	2	68nH			TOKO
35	C49	SEE NOTE 5	E330JR	CAP., CERAMIC DISK	1	SAT			UNKNOWN
36	JP1		PTC36SAAN	JUMPER BLOCK USING 3 PIN SIP HE	1				SULLINS
37	C8		T350A105K035AS	CAP., TANTALUM	1	1uF			KEMET
38	U1		MC33171D	LOW PWR SPLY AMPL.	1				MOTOROLA
39	Z1		SK-2	FREQUENCY DOUBLER	1				MINI-CIRCUITS


PARTS LIST

AeroComm, Inc				ASSY TITLE: FIXED FREQ. TX	PART LIST NO.: PL50757-03-13				
					REV: D				
ITEM	REF DES	AeroComm P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	SPL	MFR
40	CR1		MV209	VLTG VAR. CAP. DIODE	1				MOTOROLA
41	R1		3339P-10K	RESISTOR, VAR.	1	10K			BOURNS
42	R2 R4		ERJ-8GCYJ104M	RES, CHIP	2	100K			PANASONIC
43	R3		ERJ-8GCYJ474M	RES, CHIP	1	470K			PANASONIC
44	R5 R10 R18		ERJ-8GCYJ100M	RES, CHIP	3	10			PANASONIC
45	R6		ERJ-8GCYJ513M	RES, CHIP	1	51K			PANASONIC
46	R11		ERJ-8GCYJ911M	RES, CHIP	1	910			PANASONIC
47	R12		ERJ-8GCYJ621M	RES, CHIP	1	620			PANASONIC
48	R13 R15		ERJ-8GCYJ683M	RES, CHIP	2	68K			PANASONIC
49	R14		ERJ-8GCYJ471M	RES, CHIP	1	470			PANASONIC
50	R16		ERJ-8GCYJ360M	RES, CHIP	1	36			PANASONIC
51	R8		ERJ-8GCYJ153M	RES, CHIP	1	15K			PANASONIC
52	R9		ERJ-8GCYJ103M	RES, CHIP	1	10K			PANASONIC
53									
54	R20		ERJ-8GCYJ123M	RES, CHIP	1	12K			PANASONIC
55	R21		ERJ-8GCYJ102M	RES, CHIP	1	1K			PANASONIC
56	R22-23		ERJ-8GCYJ103M	RES, CHIP	2	10K			PANASONIC
57									
58	R7		SAT	THERMISTOR, NTC	1	2K			KEYSTONE
59	U2		ERA-1SM	MONOLITHIC AMPL.	1				MINI-CIRCUITS
60	U3		ERA-3	MMIC AMPLIFIER	1				MINI-CIRCUITS
61									
62									
63	Q5		FMMT3904	NPN TRANSISTOR	1				DIG-KEY
64	Q4		FMMT2907	PNP TRANSISTOR	1				DIG-KEY

PARTS LIST

AeroComm, Inc				ASSY TITLE: FIXED FREQ. TX	PART LIST NO.: PL50757-03-13				
ITEM	REF DES	AeroComm P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	SPL	MFR
65	Y1		HT82287	CRYSTAL	1	25.788542 MHz			HI-Q
66			STC02SYAN	SHORTING JUMPER	1				SULLINS
67	L9 L10		A02T5	IND, MINI SPRING A	2	5nH			COILCRAFT
68	C46,C48		C11AH3R9B4TXL	CAP., PORCELAIN CHIP	2	3.9pF			DIELECTRIC
69	C47		C11AH6R2B4TXL	CAP., PORCELAIN CHIP	1	6.2pF			DIELECTRIC
70	R17		ERJ-8GCYJ430M	RES, CHIP	1	43			PANASONIC
71	C12	SEE NOTE 4		CAP., PORCELAIN CHIP	1				DIELECTRIC
72	R24 R26		ERJ-8GCYJ331M	RES, CHIP	2	330			PANASONIC
73	R25		ERJ-8GCYJ180M	RES, CHIP	1	18			PANASONIC
74									
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PARTS LIST

AeroComm, Inc 19516 Amaranth Drive Germantown, MD 20874 301-540-0700 		MODEL / PRODUCT: 900MHz TX	NEXT ASSY: TOP	ASSY TITLE: FIXED FREQ 900MHz TX	PART LIST / ASSY NO.: PL50757-02-11				
		PROGRAM MANAGER: JA	CHARGE #: C814	NOTES:					
		ISSUED BY: RWC	DATE: 8/7/2000						
		APPROVED BY:	DATE:						
		REV: A	DATE: 8/7/2000						
		FILE: PL757-0211A ER #: ACI-0284	ECN #:						
ITEM	REF DES	AeroComm P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
		50757-02-11		ASSEMBLY DRAWING	REF				AEROCOMM
1		50757-03-13		PCB ASSY, TX	1				AEROCOMM
2									
3		50757-05-13		HOUSING	1				AEROCOMM
4		50757-05-14		COVER	1				AEROCOMM
5			131-3593-401	CONNECTOR, SMB	1				JOHNSON
6	FT1-FT3		2425-001-X5UO-102AA	CAP FEED THRU #8-32	3	1000pF			TUSONIX
7	FT4		2425-001-X5UO-101AA	CAP FEED THRU #8-32	1	100pF			TUSONIX
8			91771A065	SCREW, #1-64 x 3/16 FH	4				McMASTER
9			91771A076	SCREW, #2-56 x 3/16 FH	6				McMASTER
10			91772A076	SCREW, #2-56 x 3/16 PH	8				McMASTER
11			91475A003	WASHER, SPLIT LOCK #2	8				McMASTER
12			707-1608	GROUND LUG #8	1				CONCORDE
13			1671A	CABLE, COAX RG405	4"				BELDEN
14			56-590-65/3B-C	BEAD FERRITE	4				ELNA

