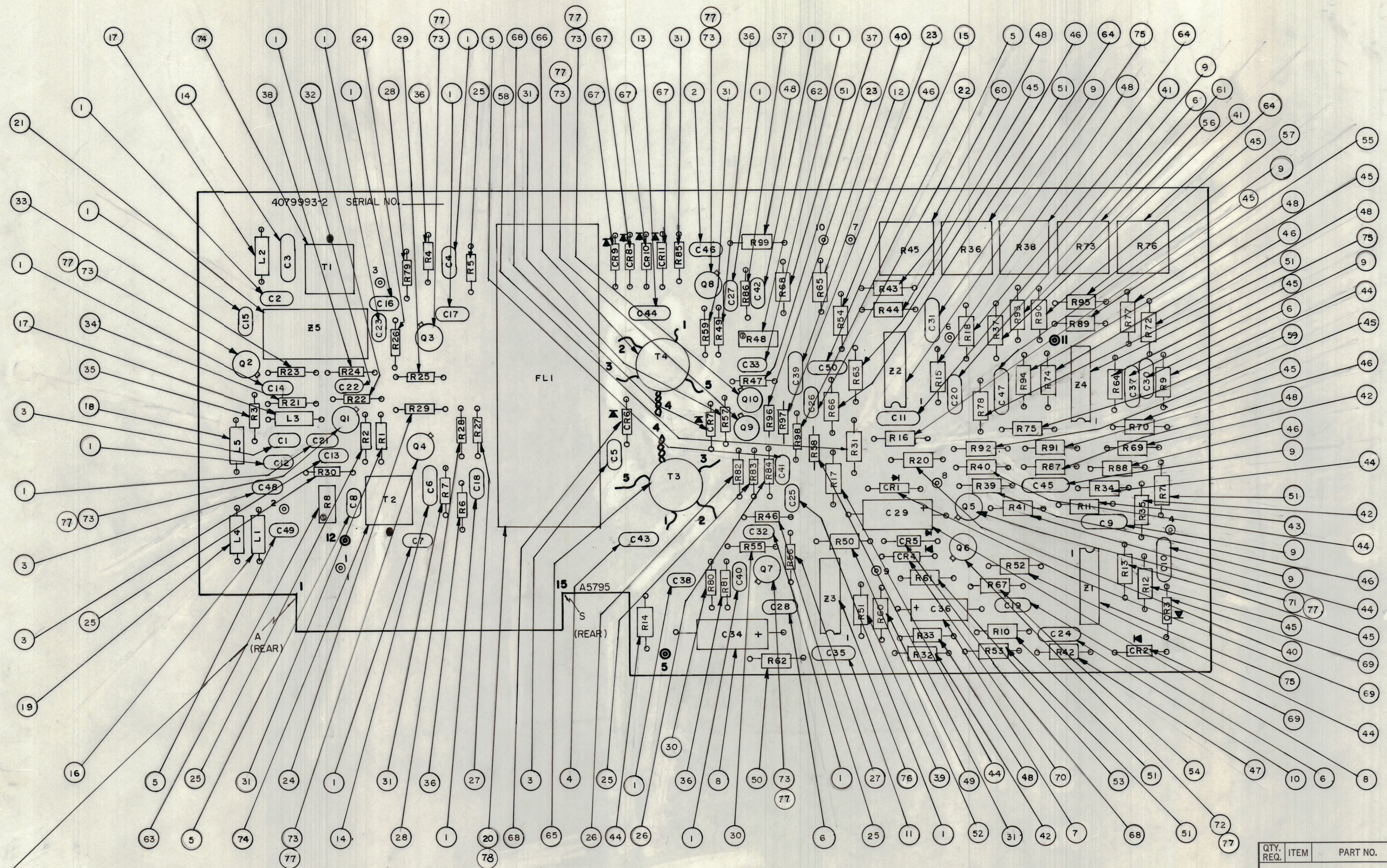


REVISIONS					DATE	APPROVED
E.M.N.O.	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	
					ORIGINAL RELEASE FOR PRODUCTION	11-9-82



STAMP A AND S ON REAR OF ASSEMBLY APPROX. POSITIONED (WHITE)

QTY / UNIT	MODEL USED ON	ASSY NO.
	APPLICATION	
	CODE	

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES ON
 DECIMALS X ± .05
 XX ± .01
 XXX ± .005

FRACTIONS 1/64
 ANGLES ± 0° -30'

MATERIAL
 FINISH

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
FREQUENCY SHIFT GENERATOR PRINTED WIRING BOARD PARTS LOCATION AND LISTING REFERENCE NO. 4079993-2				
FINAL APPROVAL <i>S. De Marco</i>		DATE 11-9-82		
MECH. DES. <i>R. Urzo</i>		DATE 11-9-82		
ELECT. DES. <i>SAL DEMARCO</i>		DATE 11-9-82		
CHECKED <i>[Signature]</i>		DATE 10-5-82		
DRAWN G.D.L.		DATE 3-11-82		
SIZE	CODE	IDENT.	ISSUE	
D	82679	A5795	1	
SCALE			SHEET 1 OF 2	

E.M.N.O				REVISIONS					
DRAFT	CHKD	ZONE	LTR	DESCRIPTION				DATE	APPROVED
				ORIGINAL RELEASE FOR PRODUCTION				11-9-82	

QTY. REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
19	1	CC131-32 (.01)	CAP. FXD, CER	C2, C4, C7, C12, C14, C15, C16, C17, C18, C21, C22, C23, C25, C27, C32, C33, C38, C40, C42
1	2	CC131-24 (.001)		C46
4	3	CC131-49 (.1)		C1, C5, C13, C48
1	4	CC131-50 (.2)		C43
4	5	CC131-51 (.02)		C8, C26, C41, C49
4	6	CC131-52 (.33)	CAP. FXD, CER	C19, C20, C28, C30
1	7	CE105-1-25	CAP. FXD, ELECT	C36
2	8	CE105-25-25	CAP. FXD, ELEC.	C29, C34
7	9	CM111F510J5S	CAP. FIX MICA	C9, C10, C11, C31, C37, C45, C47
1	10	CM111F100J5S		C24
1	11	CM111F101J5S		C35
1	12	CM111C050D5S		C39
1	13	CM111F331G5S		C44
2	14	CM111F361G5S	CAP. FIX MICA	C3, C6
1	15	CM112F621J1S	CAP. FIX MICA	C50
1	16	CL275-560	COIL RF FIX	L1
2	17	CL275-101		L2, L3
1	18	CL275-102		L5
1	19	CL275-221	COIL RF FIX	L4
1	20	FX268	FILTER	FL1
1	21	NW163	NW BAL, MIXER	Z5
1	22	RC07GF122J	RES FXD COMP	R98
2	23	RC07GF431J	RES FXD COMP	R96, R97
2	24	RC07GF101J	RES FXD COMP	R26, R29
5	25	RC07GF102J	RES FXD COMP	R2, R5, R30, R46, R83
2	26	RC07GF103J	RES FXD COMP	R82, R84

QTY REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
2	27	RC07GF152J	RES, FXD, COMP	R27, R56
2	28	RC07GF153J		R28, R79
1	29	RC07GF182J		R25
2	30	RC07GF222J		R55, R80
6	31	RC07GF223J		R1, R7, R57, R58, R59, R85
1	32	RC07GF330J		R22
1	33	RC07GF331J		R23
1	34	RC07GF332J		R21
1	35	RC07GF333J		R3
4	36	RC07GF471J		R4, R6, R49, R81
2	37	RC07GF472J		R47, R86
1	38	RC07GF561J		R24
1	39	RCR20G6R8JS		R51, R87
2	40	RN55C7501F		R20, R65
2	41	RN55C2802F		R18, R37
3	42	RN55C5111F		R32, R35, R69
1	43	RN55C2003F		R11
7	44	RN55C1000F		R9, R14, R17, R34, R40, R41, R52
9	45	RN55C1003F		R12, R13, R16, R44, R64, R70, R90, R92, R94
6	46	RN55C1001F		R39, R54, R63, R74, R88, R91
1	47	RN55C5113F		R42
7	48	RN55C5112F		R15, R33, R43, R72, R77, R87, R99
1	49	RN55C1132F		R60
1	50	RN55C7151F		R62
6	51	RN55C1002F		R10, R53, R66, R68, R71, R78
1	52	RN55C4421F		R50
1	53	RN55C8250F	RES, FXD, COMP	R61

QTY REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
1	54	RN55C1621F	RES FXD COMP	R67
1	55	RN55C5901F		R89
1	56	RN55C6800F		R93
1	57	RN55C4990F		R95
1	58	RN55C2001F	RES FXD COMP	R31
1	59	RN55C3011F	RES FXD COMP	R75, R38, R76
1	60	RV140-9	RES VAR COMP(2K)	R45
1	61	RV140-10	(5K)	R73
1	62	RV140-6	(25K)	R48
1	63	RV140-1	RES VAR COMP(100)	R8
3	64	RV140-8	RES VAR COMP(10K)	R36, R38, R76
1	65	TZ216	XFMR, 1F	T3
1	66	TZ218	XFMR, TOROID	T4
4	67	IN34A	SCOND DEV. DIO	CR8, CR9, CR10, CR11
3	68	IN914	DIODE, SCOND DEV	CR5, CR6, CR7
3	69	IN829	ZENER DIODE (6.25V)	CR1, CR2, CR3
1	70	IN823A	ZENER DIODE (6.25V)	CR4
1	71	2N222A	TRANSISTOR NPN	Q5
1	72	2N3251A	TRANSISTOR PNP	Q6
8	73	2N3646	TRANSISTOR	Q1, Q2, Q3, Q4, Q7, Q8, Q9, Q10
2	74	TT285-16	XFMR RF ADJ	T1, T2, T3
3	75	MC3503L (MOT)	QUAD OP-AMP	Z1, Z2, Z4
1	76	UA723DM (FAIRCHILD)	VOLTAGE REG	Z3
10	77	PX1284	PAD TRANS MTG	
1	78	PX1286-1	INSULATOR FILTER	

QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
CODE		
MATERIAL		
FINISH		

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		TOLERANCES ON DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		FRACTIONS ± 1/64 ANGLES ± 0° - 30'	
FINAL APPROVAL <i>S. Demarco</i>	DATE 11-9-82	LIST OF MATERIAL			
MECH. DES. <i>S. Demarco</i>	DATE 11-9-82	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
ELECT. DES. <i>S. Demarco</i>	DATE 11-9-82	FREQUENCY SHIFT GENERATOR PARTS LOCATION & LISTING REFERENCE NO. 4079993-2			
CHECKED <i>GDL</i>	DATE 10-5-82	SIZE CODE IDENT NO. DWG NO.			
DRAWN <i>GDL</i>	DATE 9-10-82	D 82679 A 5795			
MATERIAL		FINISH		ISSUE	
SCALE		SHEET 2 OF 2			