

DWG ISSUE	ISSUED	DATE	BY	APP
1	1	10-2-73	SWB	LFS
2B	APPIB	1-8-74	MID	JBS
			YAC	JBS

SHEET INDEX	
CONTENTS	SHEET NO.
SHEET INDEX SUPPORTING INFORMATION CIRCUIT NOTES EQUIPMENT NOTES INFORMATION NOTES HIGHEST COMPONENTS TABLE	1
FIG. 1 - 2 WIRE E & M CHANNEL UNIT	2
FIG. 101 - TRANSMIT GATE CIRCUIT FIG. 102 - CHANNEL UNIT LOGIC FIG. 103 - TRANSMIT ACTIVE FLT FIG. 104 - RECEIVE ACTIVE FLT FIG. 105 - DBD ATTENUATOR FIG. 106 - T&R ATTENUATOR	3

EQUIPMENT NOTES:

- 201. DESIRED OPTION SHALL BE COMPLETED BY TIGHTENING SCREW SUFFICIENTLY TO INSURE CONTACT BETWEEN TERMINALS AND UNDERSIDE OF SCREWHEAD. CAUTION IN TIGHTENING SCREW IS RECOMMENDED TO AVOID SHEARING OF SCREW. TO OPEN A CIRCUIT, SCREW SHALL BE LOOSENEED APPROXIMATELY FOUR COMPLETE TURNS. UNIT IS NORMALLY FURNISHED WITH OPTION SCREW Y UP AND OPTION SCREWS X, E AND ON DOWN.
- 202. DESIGNATIONS SHOWN IN BRACKETS [] SHALL APPEAR ON EQUIPMENT.
- 203. ALL CONTACTS SHOWN WITH ARROW \rightarrow ARE PART OF PRINTED WIRING BOARD FINGER CONTACTS.
- 204. DESIGNATIONS SHOWN THUS < > APPEAR ON COMPONENT APPARATUS.

INFORMATION NOTES:

- 301. UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS;
ALL CAPACITANCE VALUES ARE IN MICROFARADS;
ALL VALUES PRECEDED BY THE SYMBOL + (PLUS)
OR - (MINUS) ARE IN VOLTS.
- 302. OFFICE WIRING LIST RECORDS NEED NOT BE MAINTAINED FOR SCREW TYPE OPTIONS.
- 303. FIGS. 101 THRU 106 ARE FOR INFORMATION ONLY. SEE CONTROLLING SCHEMATIC FOR COMPLETE CIRCUIT DETAILS.

CIRCUIT NOTES:

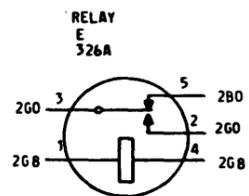
- 101. TIGHTENS SCREWS OF HBD (NET BUILD OUT) OPTIONS ACCORDING TO CIRCUIT REQUIREMENTS.

102. RECORD OF FIGURES, WIRING AND APPARATUS CHANGES

CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT			
				STD	A&M	MD	SPEC
2B	Y OR Z	Y		Z		Y	

- 103. UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE K5-20810, L1A.
- 104. C1A, C1B AND C1C ARE COMPONENTS OF A 734C TYPE CAP-PAK. C3 IS A 726A TYPE CAP-PAK WITH FIVE CAPACITORS. C4A, C4B, C4D, C4E AND C4F ARE COMPONENTS OF A 734B TYPE CAP-PAK.
- 105. THE RPAM, RPAMG, TPAM AND TPAMG LEADS SHALL BE KEPT SHORT AND RUN DIRECT TO THE GATES AND FILTERS.
- 106. IF AN EXTERNAL COMP NET IS REQUIRED, LOOSEN THE [C] OPTION SCREW.
- 107. FOR CONNECTING INFORMATION SEE APPLICATION SCHEMATIC FOR THE D3 BANK (SD-3C104-01).
- 108. THE 326A RELAY IS NOT ADJUSTABLE. REPLACE WHEN THERE IS A MALFUNCTION.
- 109. SET [DBD] TO BUILD OUT THE LOSS OF THE OFFICE CABLING FROM THE SWITCH TO 1.5dB. THE LOSS OF THE ATTENUATOR IS INDICATED BY THE SUM OF THE EXPOSED DIGITS.
- 110. SET [T&R] TO ADJUST TRANSMISSION LEVELS BY EXPOSING THE DESIGNATIONS SHOWN IN THE FOLLOWING TABLE, THE NOMINAL TRUNK LOSS IS 3.0dB.

FAR END OFFICE	NEAR END OFFICE		
	TP0	2T	TP2
	TP2	2T, 2R	2R
NO. 4 ESS (TP3)	1T, 2T, 2R	1T, 2R	



HIGHEST COMPONENT USED ON THIS DWG				
R18	RV5	CR2	Q5	C9
NOT USED				
RV2				

SUPPORTING INFORMATION	
CATEGORY	NO.
EQUIPMENT DRAWING	J98718BJ-()
X-SPEC	X-78656

2B

1N22

COMMON SYSTEMS
24 CHANNEL PCM BANK TYPE D3
2-WIRE E AND M
CHANNEL UNIT CIRCUIT

(2W E & M)

BELL TELEPHONE LABORATORIES
INCORPORATED

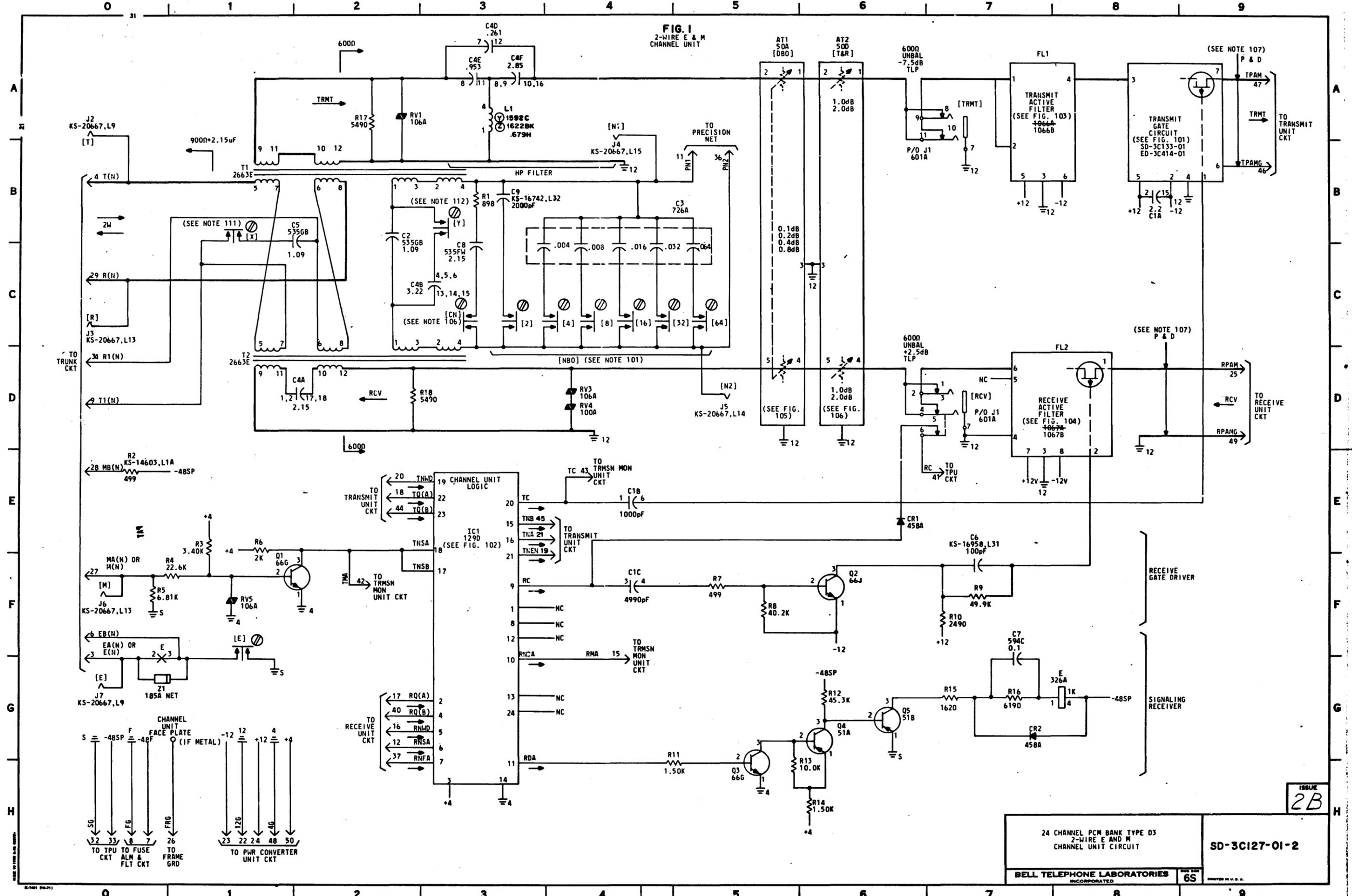
6S

AT&TCO STANDARD

SD-3C127-01-1
3 SHEETS

SD-3C127-01-1

FIG. 1
2-WIRE E & M
CHANNEL UNIT



SD-3C127-01-2

24 CHANNEL PCM BANK TYPE D3 2-WIRE E AND M CHANNEL UNIT CIRCUIT		ISSUE 2B
BELL TELEPHONE LABORATORIES INCORPORATED		
		6S

SD-3C127-01-2

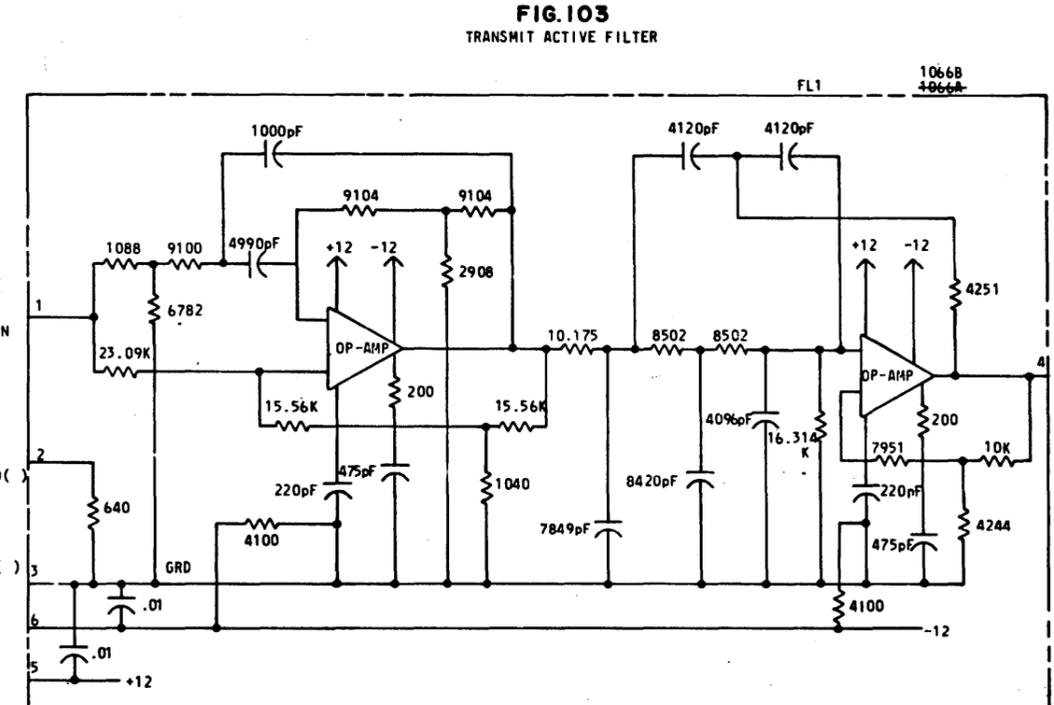
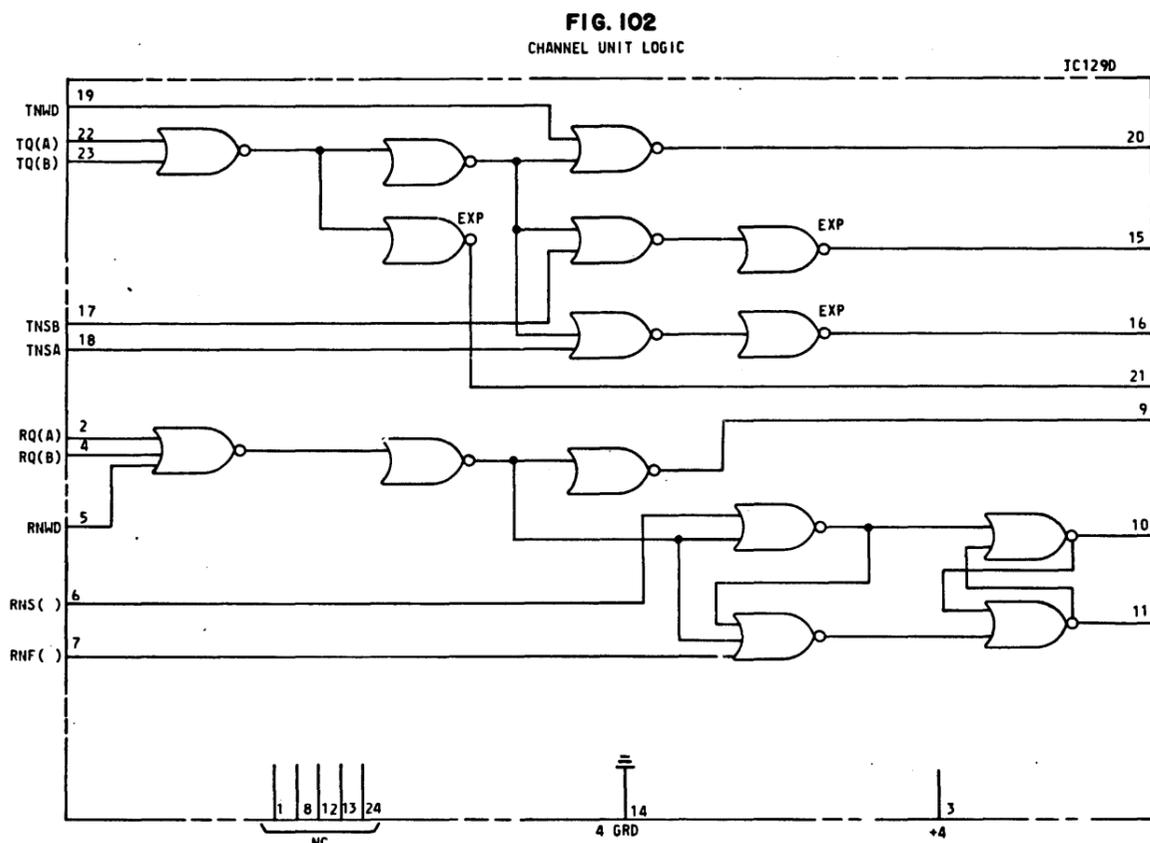
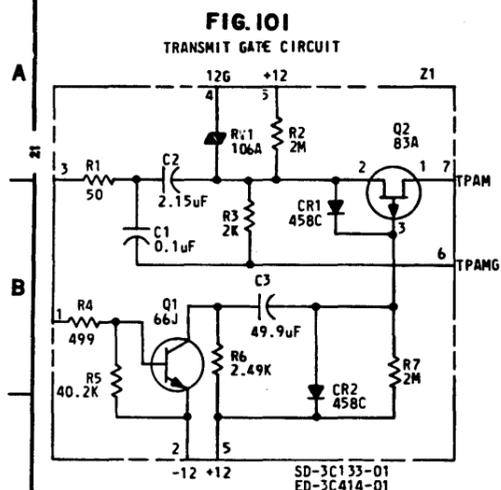
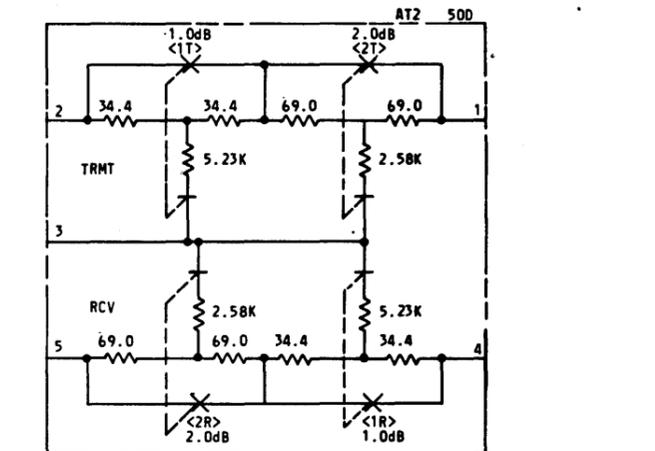
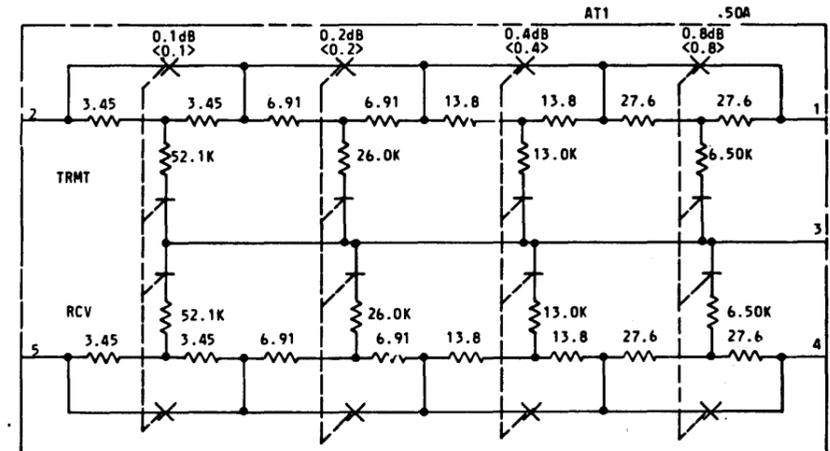
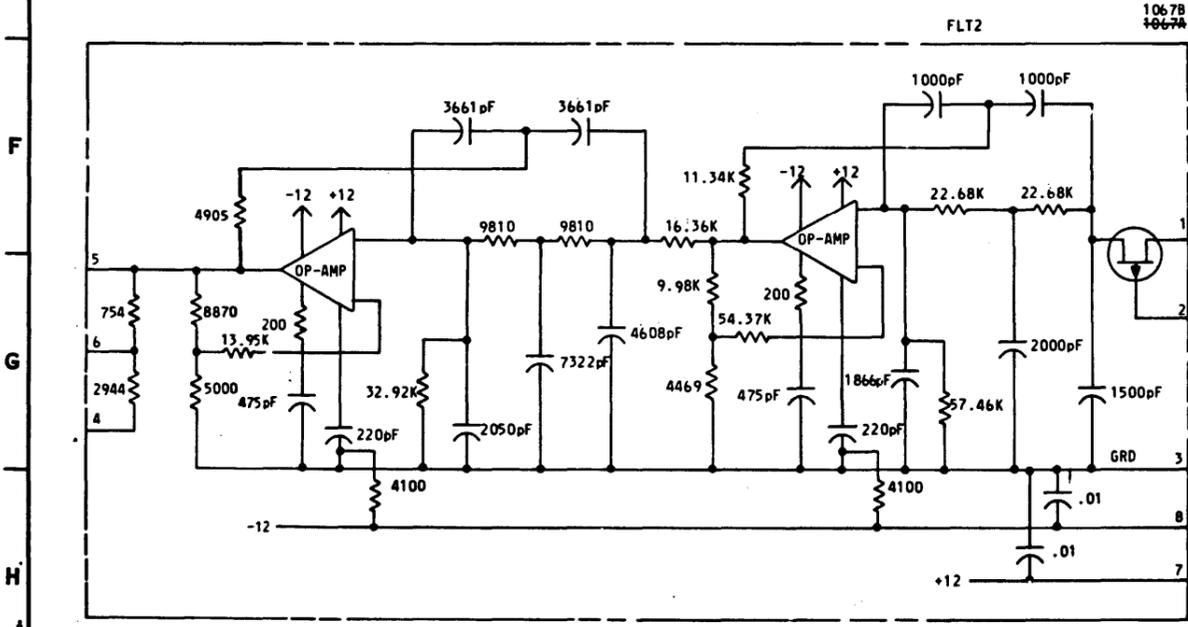


FIG. 104 RECEIVE ACTIVE FILTER

FIG. 105 DBO ATTENUATOR

FIG. 106 T & R ATTENUATOR



SD-3C127-01-3