SHEET INDEX

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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
	1-1/3	-48V TALK	CKT

102.

FEATURE OR OPTION		PROVIDE APP FIG.	PROVIDE APP OR WRG	PROVIDE QUANTITY
KS-19220,L1 AMPLIFIER		1	U	ONE PER CKT
KS-19220,L2 AMPLIFIER		1	V	ONE PER CKT
REMOTE VOLUME CONTROL	REQUIRED		Z	
	NOT REQUIRED		Y	
REDUCED GAIN	REQUIRED		W	
	NOT REQUIRED		X	

103.

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF

104.

RECORD OF APP FIGURES, WIRING & APPARATUS CHANGES							
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT STD	A&M	MD	

CIRCUIT NOTES: (CONT)

105. SHIELD OF INPUT LEADS SHALL BE TERMINATED AS SHOWN IN CONNECTING CIRCUIT.

SUPPORTING INFORMATION

CATEGORY	NO.

OPTION INDEX

APP OR WRG	LOCATION
Z	2E0,2F0
Y	2E0
X	2D9
W	2D9
V	2E1,2E2
U	2E1,2E2

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS,
CAPACITANCE VALUES ARE IN MICROFARADS,
VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS)
ARE IN VOLTS.

302. THE VOLTAGES SHOWN REPRESENT TYPICAL DC VALUES FOR A QUIESCENT CONDITION WITH AVERAGE TRANSISTORS AND NOMINAL SUPPLY VOLTAGE. THE VOLTAGES ARE MEASURED FROM POINTS SHOWN TO TERMINAL S USING A VOLTMETER HAVING A RESISTANCE OF 10 MEGOHMS (MINIMUM).

DWG ISSUE	EE OR CD ISSUE	DATE ISSUED	DRAWN	APPD
1	1	12-3-62	M.JC RYM	WWG WJB DLW
2D	1 APP 1D	5-18-64	CDC -	WWG WJB DLW
3D	1 APP 2B	6-12-64	CDC -	WWG WJB DLW
4D	1 APP 3D	4-11-66	CKR	EVK CEP RWW
5D	2D	5-28-73	GDS	JJJ AB GAG
6D	2D APP 1D	1-24-79	BAT	WF AB VJK

ISSUE 6D

SD-99724-01 2N06

COMMON SYSTEMS

KS-19220, L1 & L2 AMPLIFIER CIRCUIT

A&M ONLY

SD-99724-01-1

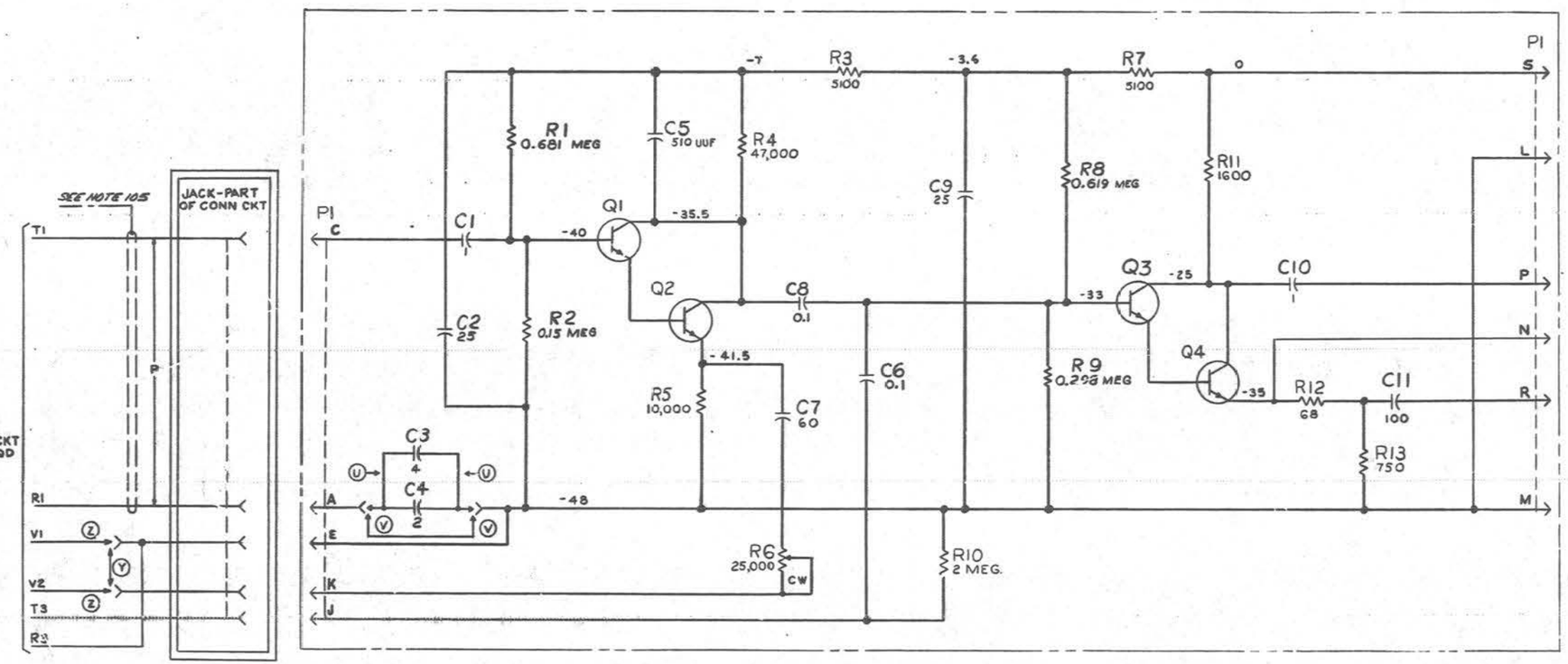
3 SHEETS

BELL TELEPHONE LABORATORIES INCORPORATED

SIZE 6S

SD-99724-01-1

FS 1
AMPLIFIER CIRCUIT



DRAWING ISSUE	
1	MH 10MY OLY
2D	CMC OLY
3D	CMC OLY
4D	CEA BMB

SD-99724-01-2

ISSUE 6D

COMMON SYSTEMS KS-19220, L1 & L2 AMPLIFIER CIRCUIT (2)		SD-99724-01-2
BELL TELEPHONE LABORATORIES INCORPORATED	SHEET SIDE 6S	PRINTED IN U.S.A.

APP FIG. 1

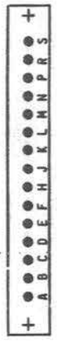
PRINTED WIRING BOARD ASSEMBLY

CAPACITOR

DESIG	LOC	CODE
C1	2C2	1UF, 542D
C2	2D2	25UF, KS-16390, L1
(U) C3	2E2	4UF, 542G
C4	2E2	2UF, 542F
C5	2C3	510UUF, KS-14056, L1
C6	2D4	0.1UF, 535AB
C7	2D4	60UF, KS-16390, L5
C8	2D4	0.1UF, 535AB
C9	2C4	25UF, KS-16390, L1
C10	2D6	1UF, 542D
C11	2D7	100UF, KS-16390, L6

CONNECTOR

KS-16345, L1



DESIG	P1	
CONN	PLUG	
OPTION		
	NO.	LOC
	S	2B7
	R	2D7
	P	2D7
	N	2D7
	M	2E7
	L	2F1
	K	2F1
	J	2F1
	H	-
	F	-
	E	2E1
	D	-
	C	2C1
	B	-
	A	2E1

POTENTIOMETER

DESIG	LOC	CODE
R6	2E3	25,000Ω TYPE 65, WITH A CCW "C" TAPER, 1/4 INCH BUSHING AND A SCREW-DRIVER SLOTTED SHAFT 3/8 INCH F.M.S. A FLAT AT END OF SHAFT 1/32 X 1/32 SHALL BE ON SIDE ADJACENT TO AND INDICATING WIPER CONTACT POSITION. IT SHALL BE LOCATED AT 90° TO SLOT IN SHAFT. CHICAGO TELEPHONE SUPPLY CO. OR APPROVED EQUIVALENT.

RESISTOR

DESIG	LOC	CODE
R1	2C2	.681 MEG, 221A
R2	2D2	.15 MEG,
R3	2B4	5100Ω,
R4	2C4	47,000Ω
R5	2E3	10,000Ω KS-19150, L1
R7	2B5	5100Ω,
R8	2C5	.619 MEG, 221A
R9	2D5	.298 MEG,
R10	2E4	2 MEG, KS-19150, L1
R11	2C6	1600Ω, KS-19151, L1
R12	2D6	68Ω, KS-19150, L1
R13	2E7	750Ω,

TRANSISTOR

DESIG	LOC	CODE
Q1	2C3	29A
Q2	2D3	
Q3	2D5	
Q4	2D6	

DRAWING ISSUE

1	PW BOARD LAY
2D	CHG - DLT
3D	CHG - DWG
4D	PWB ADDED

ISSUE 6D

COMMON SYSTEMS
KS-19220, L1 & L2 AMPLIFIER CIRCUIT

BELL TELEPHONE LABORATORIES INCORPORATED

SIZE 6S

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SD-99724-01-3