

GLENSOUND ELECTRONICS LTD

GSGC19B, 22B & 21B CAT 5 HANDBOOK CONTENTS

DATE 07/07/00

WP06-243

ISSUE No. 5

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|| TWO INDEPENDENT
PROGRAMMES CAN BE
MADE AT THE SAME TIME ||

MAINS
230V AC

LOUDSPEAKERS
LEFT
RIGHT

MONITORING
FEEDS TO
LOUDSPEAKERS
CAN BE LINKED
AND INTERLOCKED
TO MORE SUBRACKS

SOURCES
AUX 1
AUX 2
PROD

MAIN I/O
PROD 1 OUT
PROD 2 OUT
PROD 1 TB TO STUDIO
PROD 2 TB TO STUDIO
CF1 IN
CF2 IN
PROD 1 TB RETURN
PROD 2 TB RETURN

TALKBACK
TB 3 I/P
TB 3 O/P

IEC

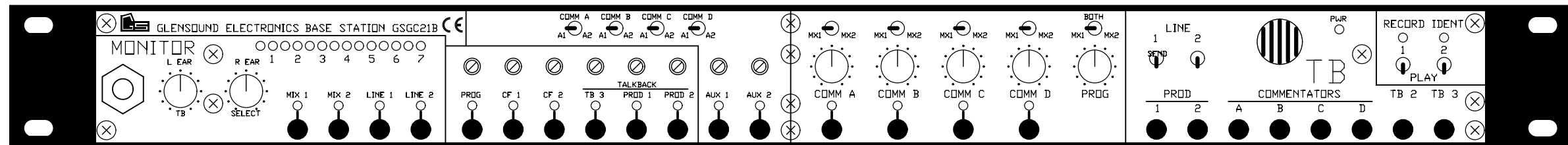
D9

D15

D9

D15

D9



RJ45

RJ45

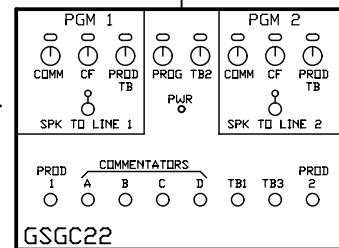
RJ45

RJ45

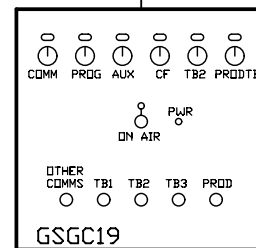
RJ45

← THESE CABLES ARE CAT 5
THEY CAN BE UP TO
200M LONG

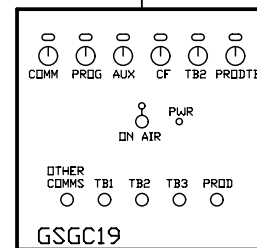
OPTIONAL
PRODUCERS BOX →



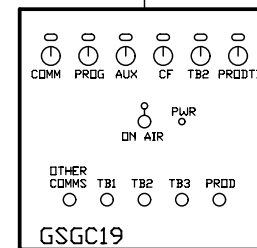
PROD



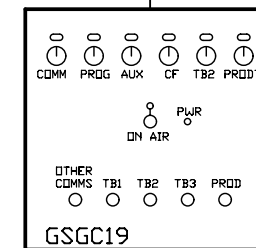
COMM A



COMM B

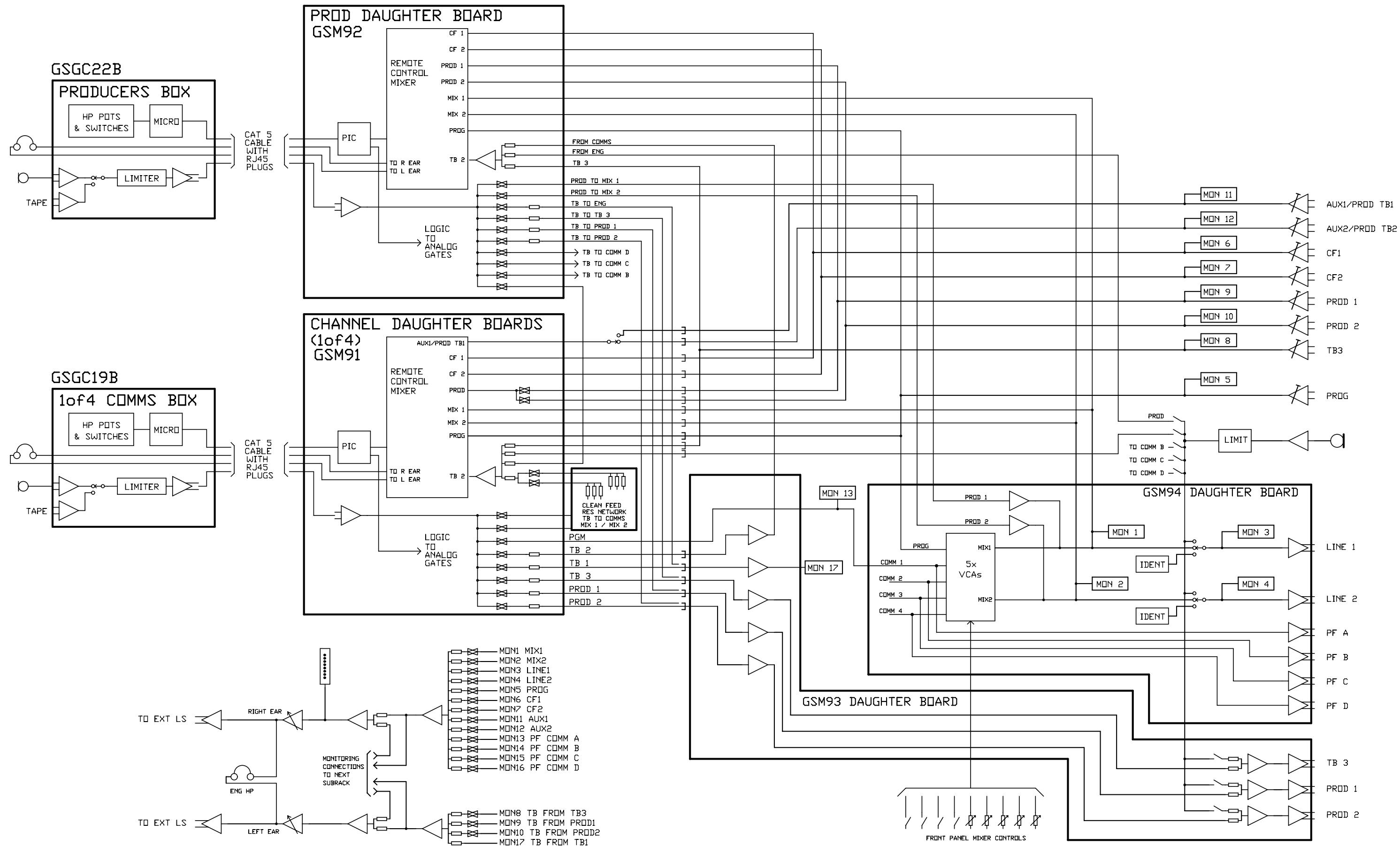


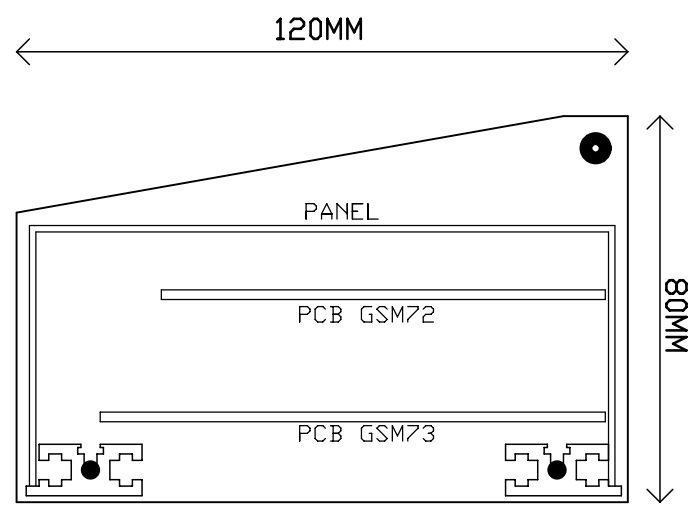
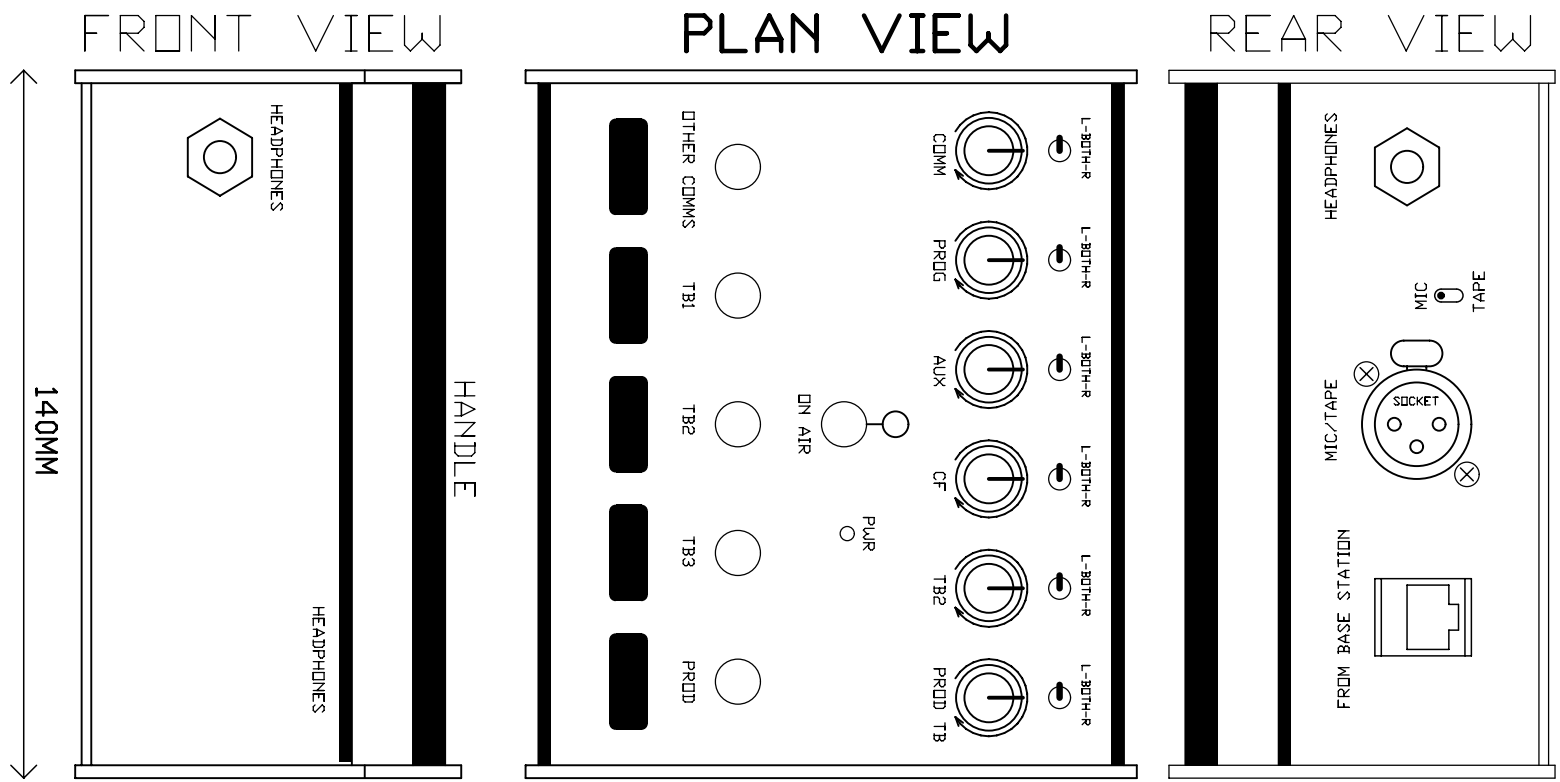
COMM C



COMM D

← 1 TO 4
COMMENTATORS UNITS
CAN BE USED





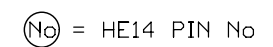
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2	26/01/00
3	16/02/00

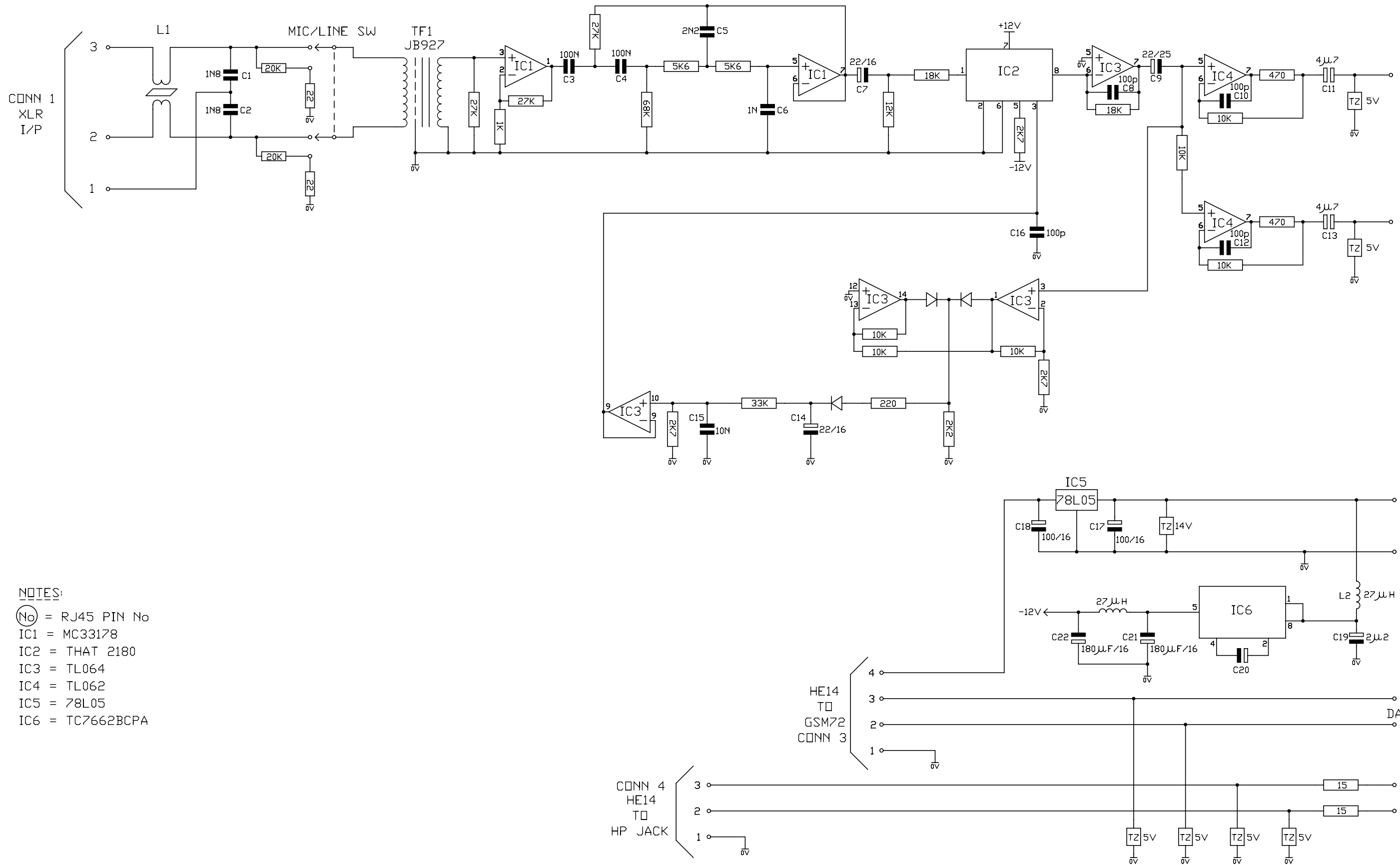
CAT 5
 COMMENTATORS
 SYSTEM
 COMMENTATORS
 BOX
 TYPE GSGC19

DRAWING NUMBER

A3-13644

DRAWN BY
 ORIGINALLY DRAWN USING AUTOTRAX



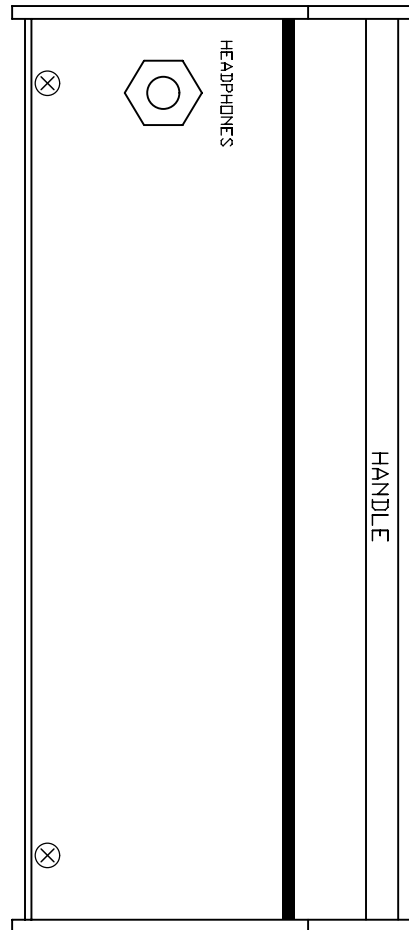


RJ45
FROM
BASE
STATION

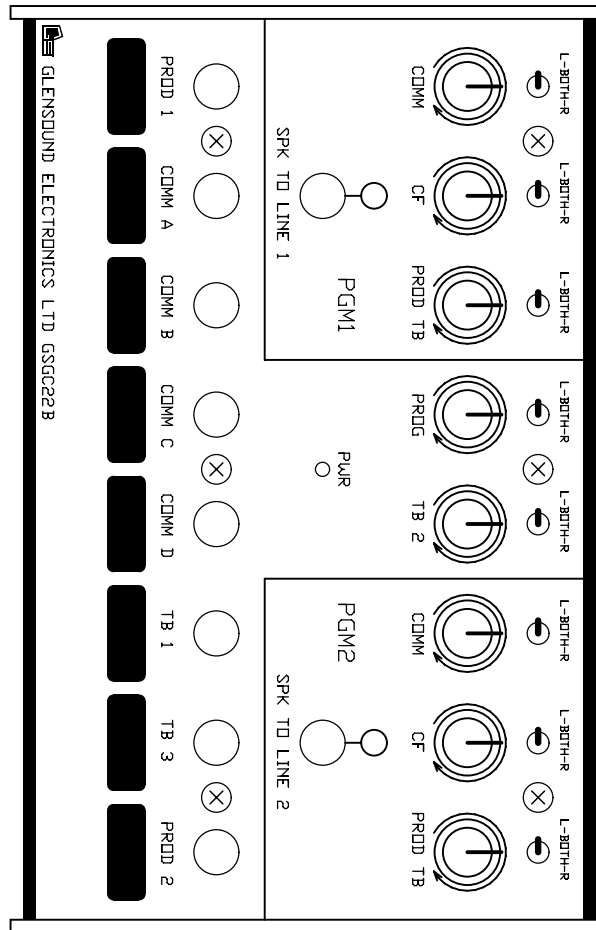
- NOTES:
- (No) = RJ45 PIN No
 - IC1 = MC33178
 - IC2 = THAT 2180
 - IC3 = TL064
 - IC4 = TL062
 - IC5 = 78L05
 - IC6 = TC7662BCPA

ISSUE	DATE	DRAWING NUMBER	
1	22/02/00	A2-13732	
2	07/07/00		
		DRAWN BY	AMD
		ORIGINALLY DRAWN USING EASYTRAX	

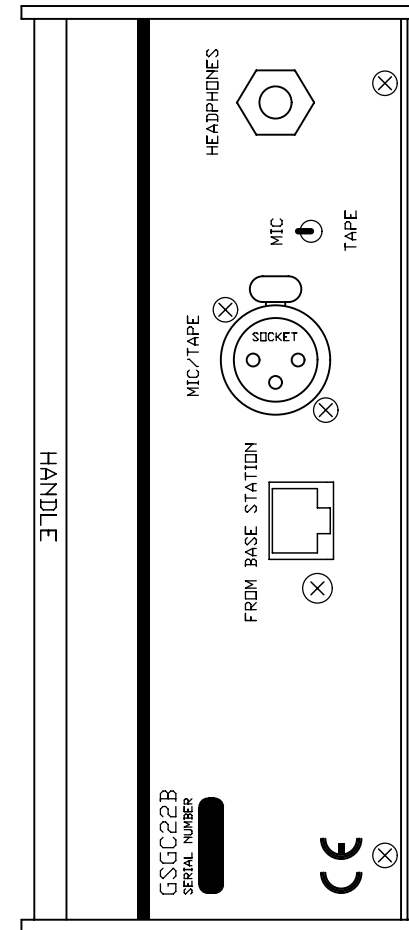
FRONT VIEW



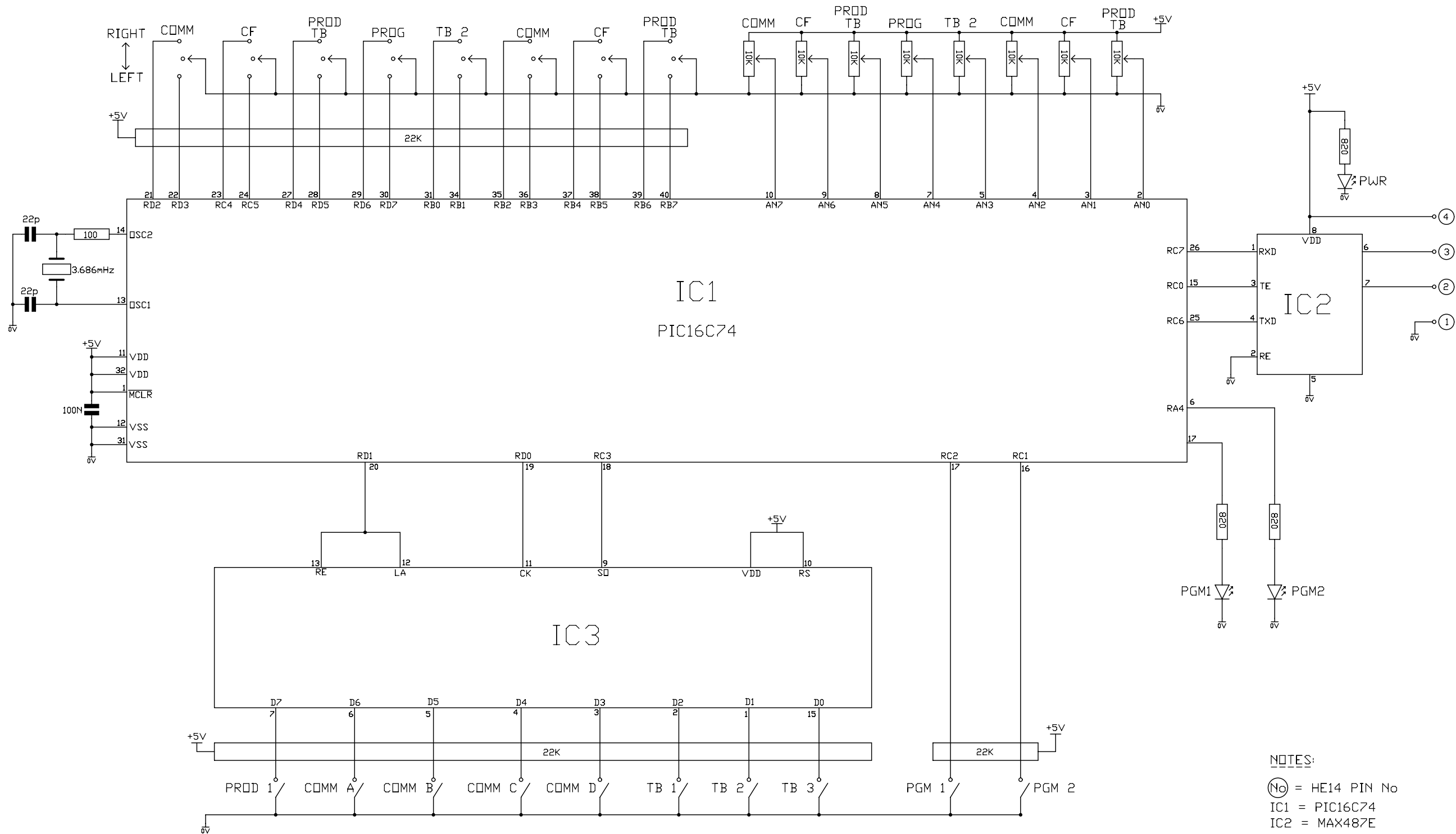
PLAN VIEW



REAR VIEW



CROSS SECTION IS SAME AS GSGC19B



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ELECTRONICS LTD

GSM99
PRODS BOX H/P & LOGIC
CIRCUIT DIAGRAM

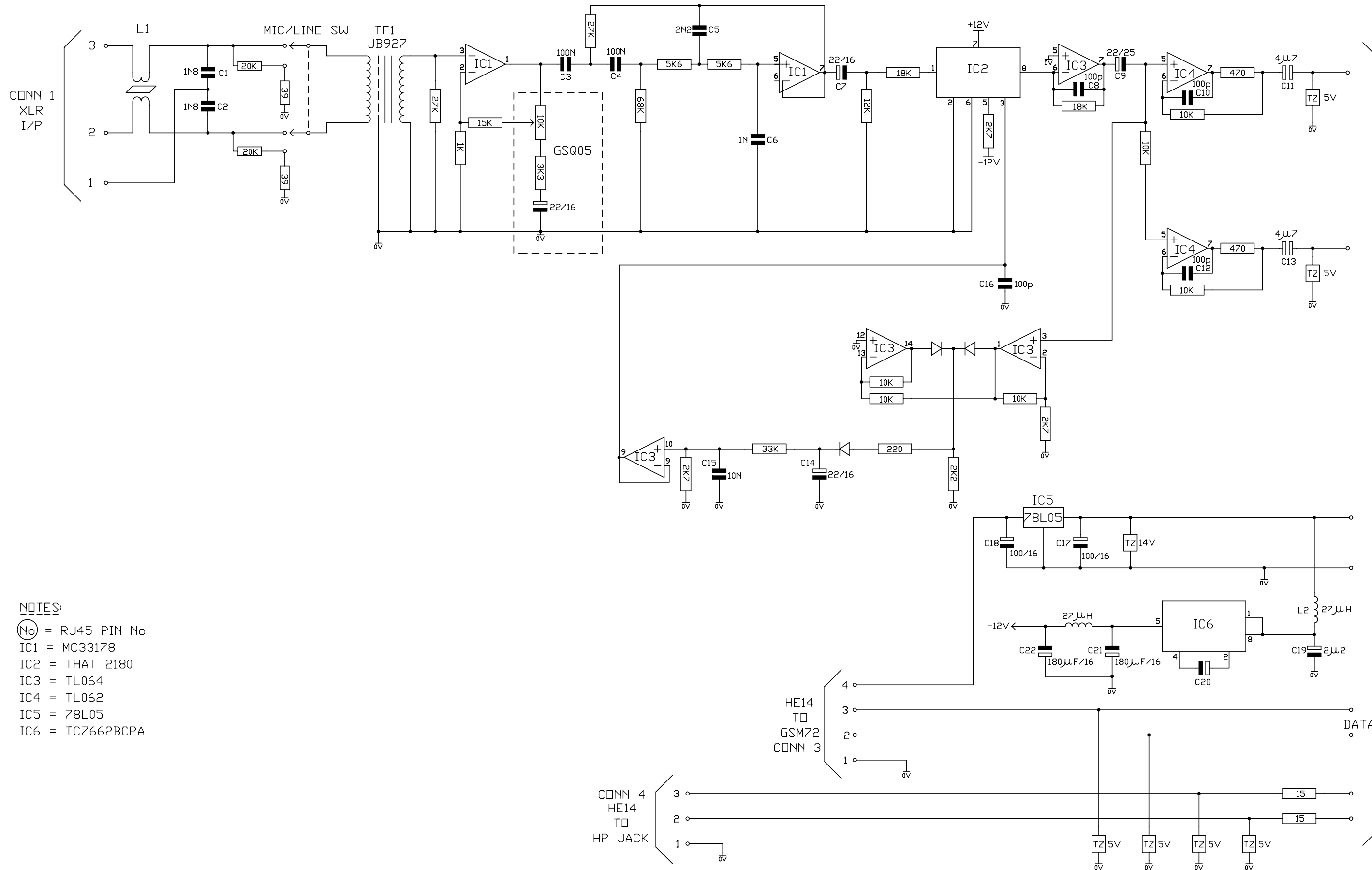
ISSUE
1

DATE
21/02/00

DRAWING NUMBER
A2-13734

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ORIGINALLY DRAWN USING EASYTRAX

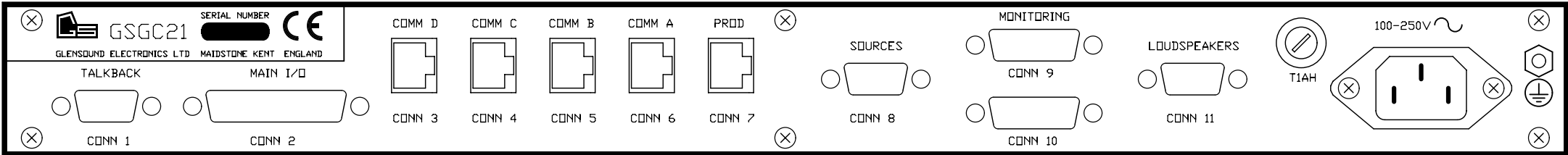


- NOTES:
- Ⓝ = RJ45 PIN No
 - IC1 = MC33178
 - IC2 = THAT 2180
 - IC3 = TL064
 - IC4 = TL062
 - IC5 = 78L05
 - IC6 = TC7662BCPA

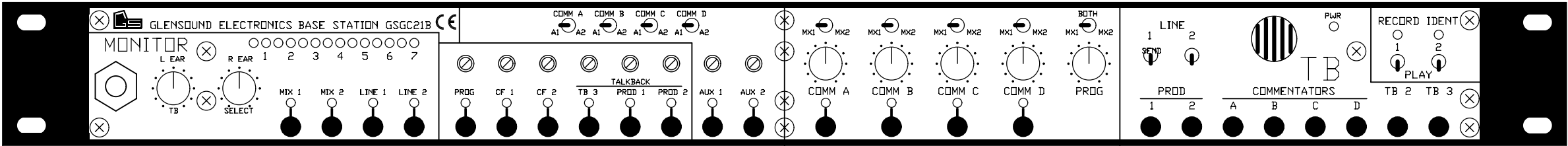
RJ45
FROM
BASE
STATION

ISSUE	DATE	DRAWING NUMBER	
1	22/02/00	A2-13733	
2	10/07/00		
		DRAWN BY	AMD
		ORIGINALLY DRAWN USING EASYTRAX	

REAR VIEW

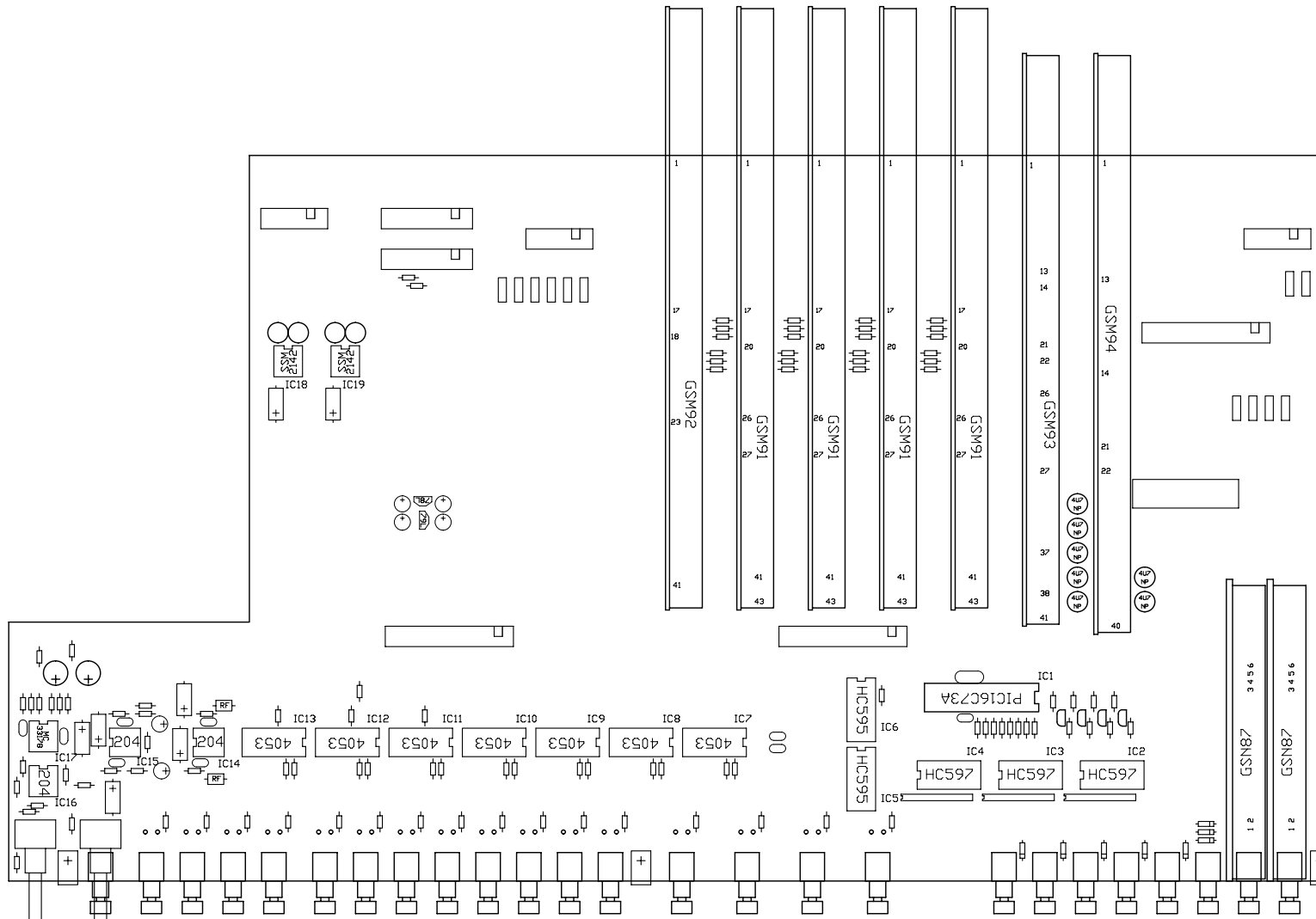


FRONT VIEW



19 INCH BY 1U SUBRACK
DEPTH EXCLUDING CONTROLS AND CONNECTORS = 286MM

ISSUE	DATE
1	22/02/00

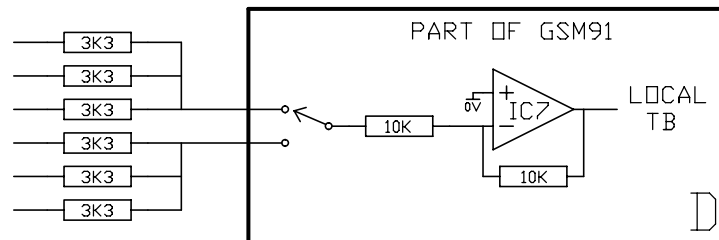
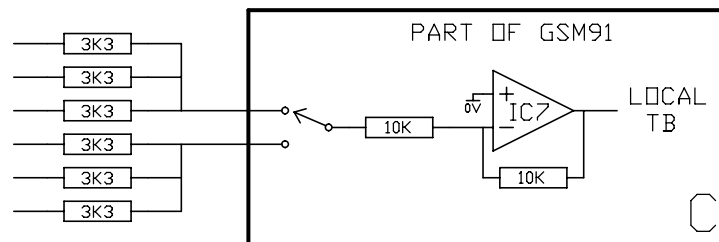
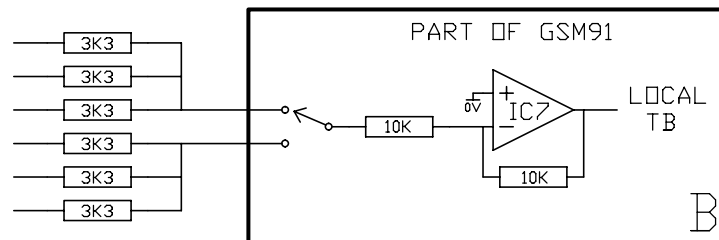
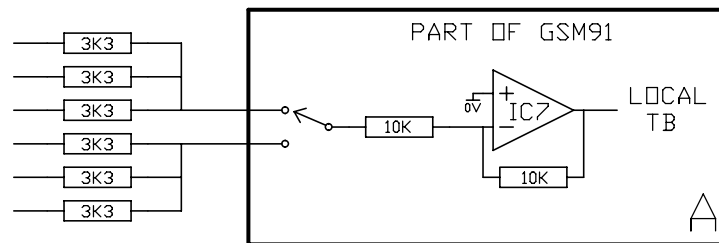
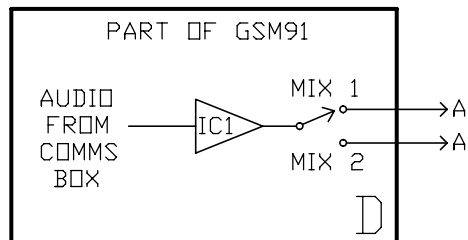
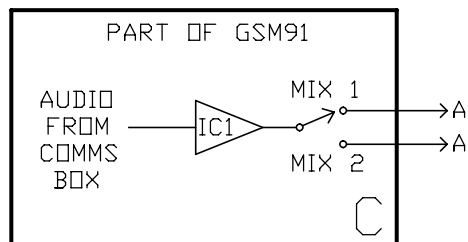
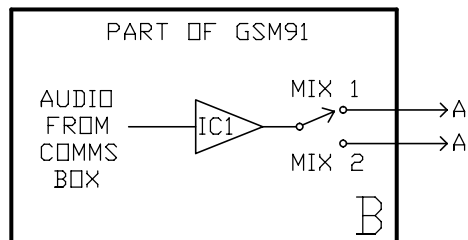
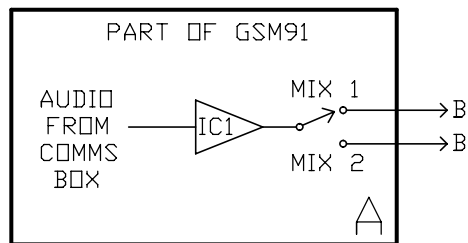


GSM90
COMPONENT LOCATION
SHOWING IC NUMBERS

DRAWING NUMBER

A2-13739

DRAWN BY
ORIGINALLY DRAWN USING AUTOTRAX



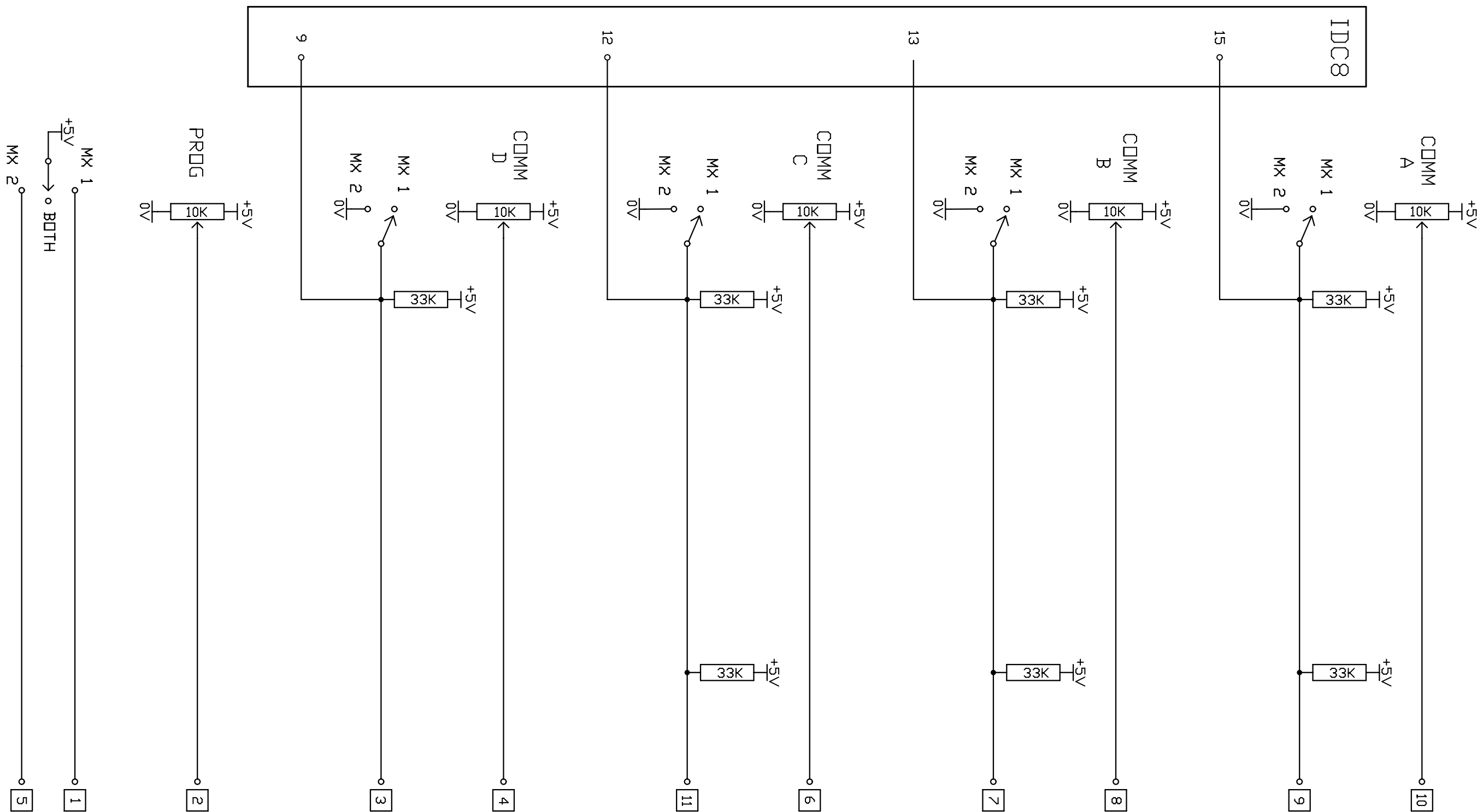
ISSUE	DATE
1	21/02/00

PART OF GSM91
COMMS TB CF NETWORK
CIRCUIT DIAGRAM

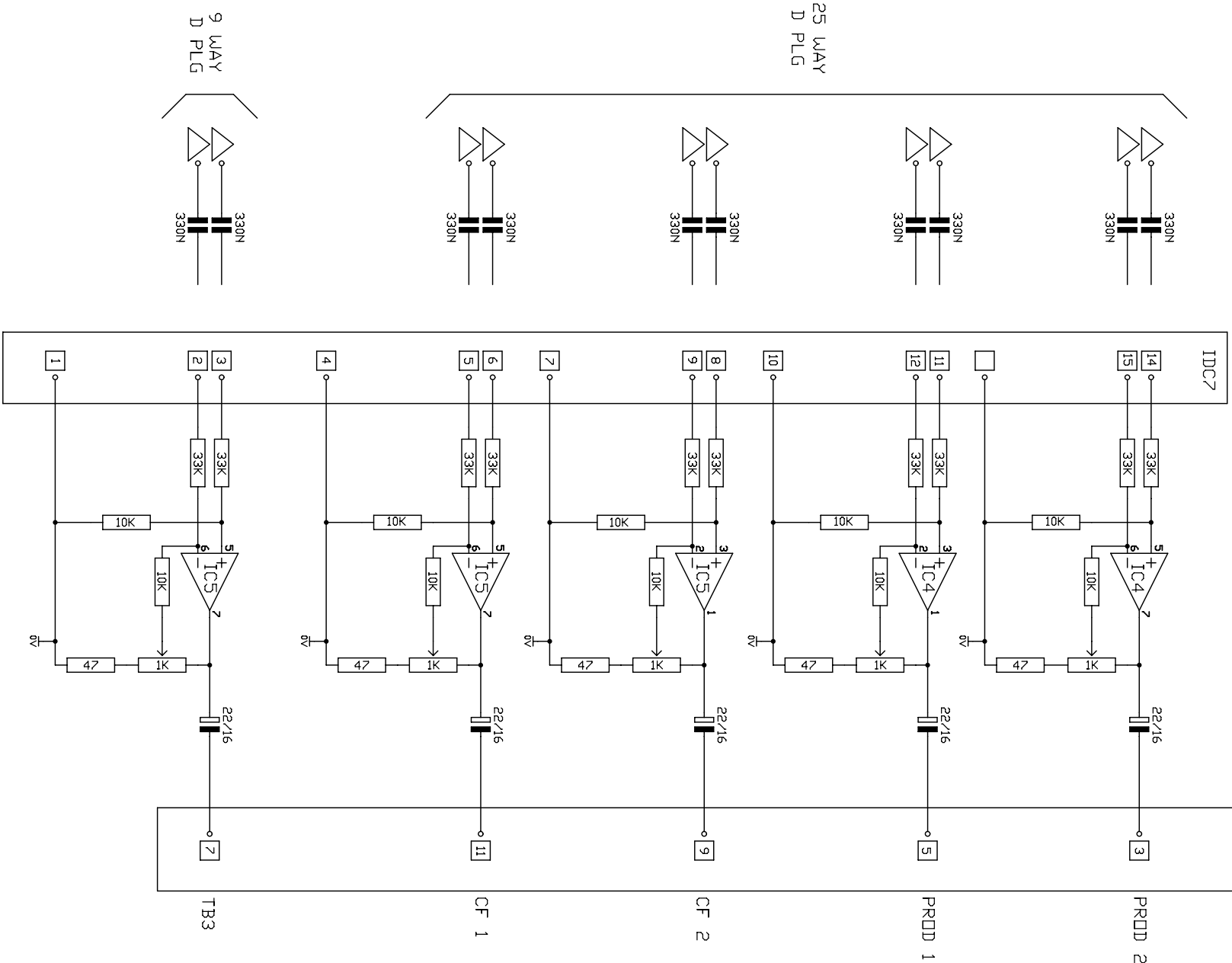
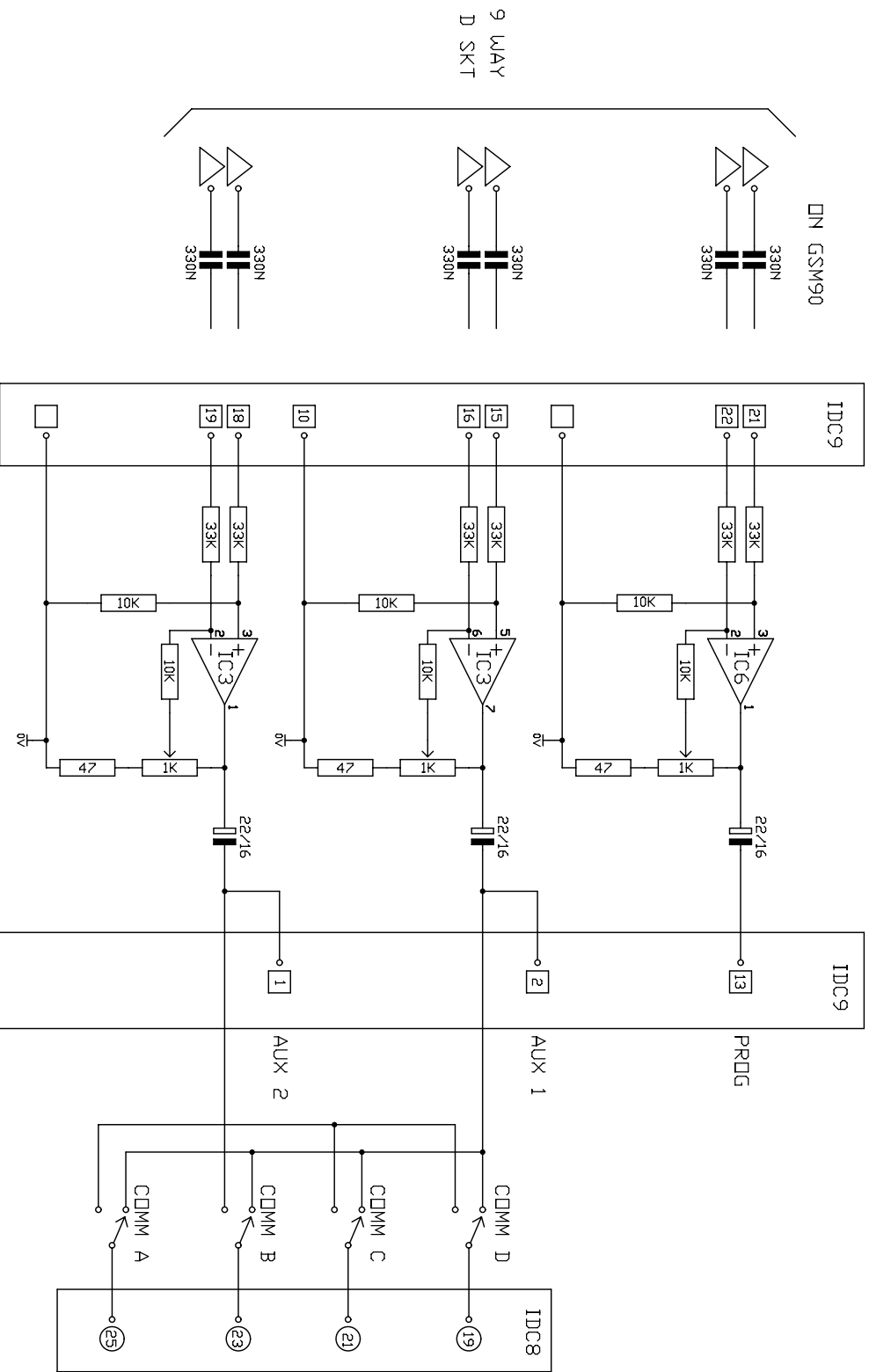
DRAWING NUMBER

A3-13740

DRAWN BY AMD
ORIGINALLY DRAWN USING EASYTRAX

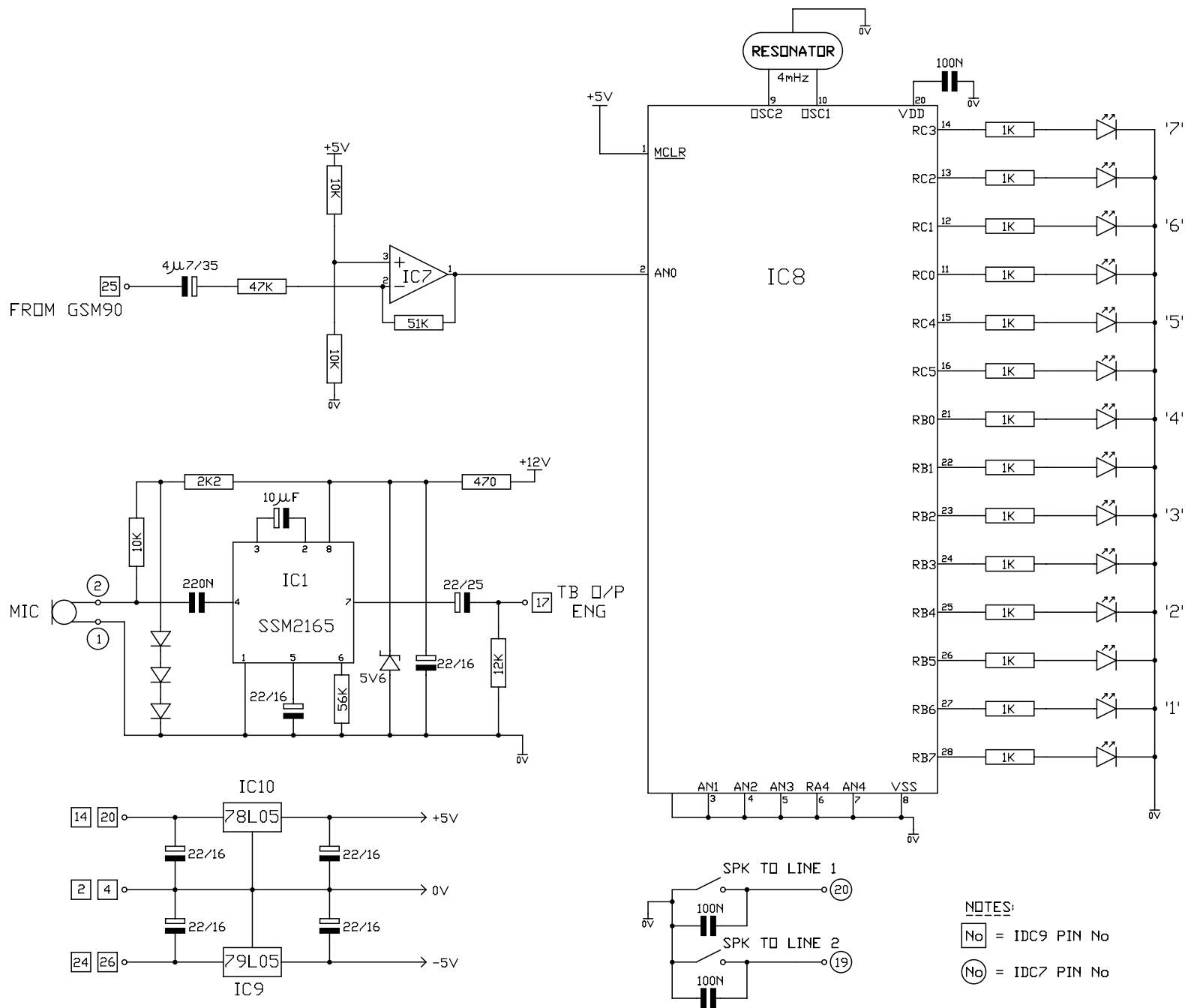


NOTES:
 [No] = 12WAY HE14 PIN No



NOTES:
△/No = D CDMM No

ISSUE	DATE	DRAWING NUMBER	
1	18/03/99	A2-13743	
2	21/02/00		
		DRAWN BY	AMD
		ORIGINALLY DRAWN USING EASYTRAX	



ISSUE	DATE
1	19/03/99
2	21/02/00

PART OF GSM95
PPM CIRCUIT DIAGRAM

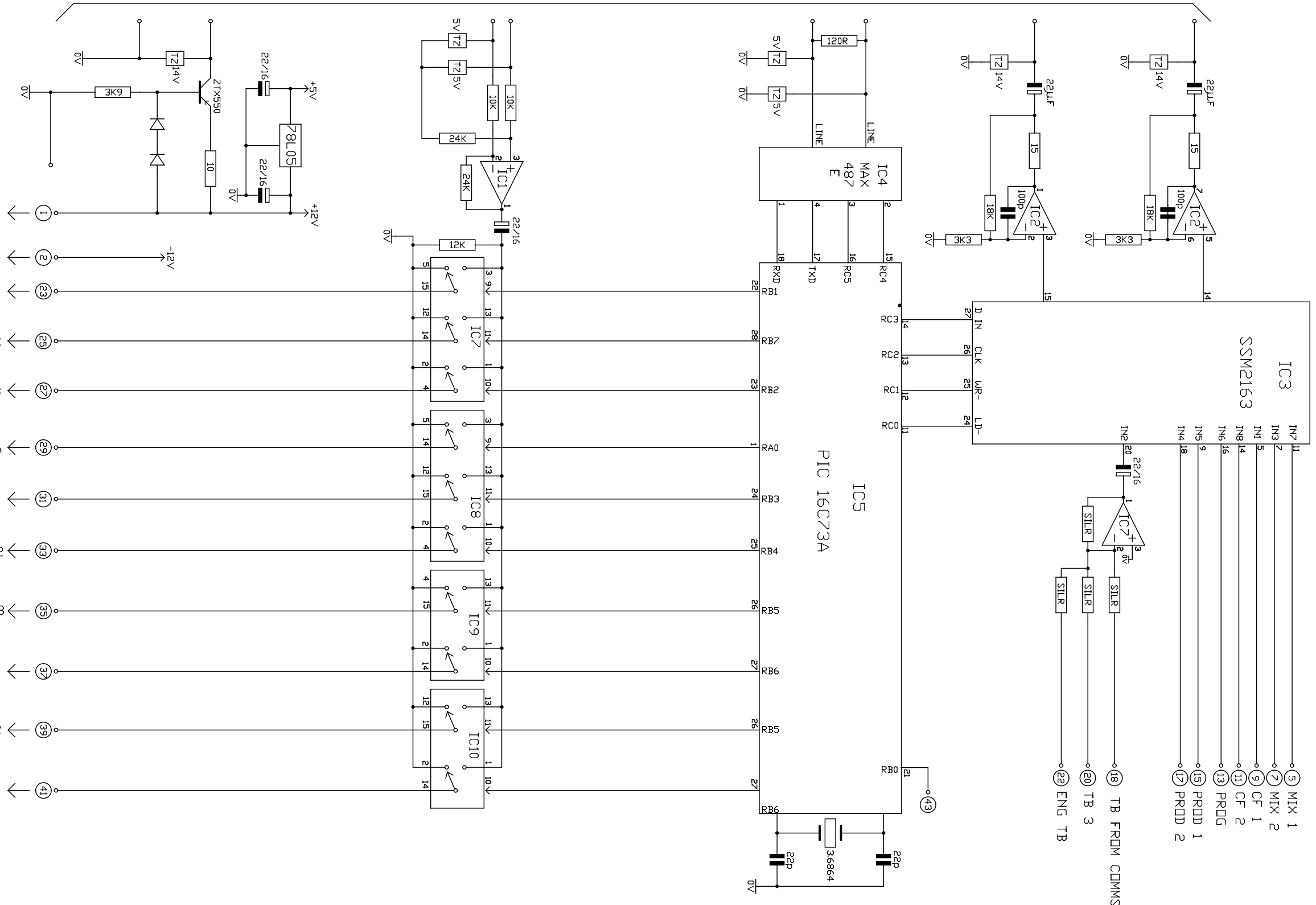
DRAWING NUMBER

A3-13744

DRAWN BY AMD

ORIGINALLY DRAWN USING EASYTRAX

RJ45 TO COMMS BOX

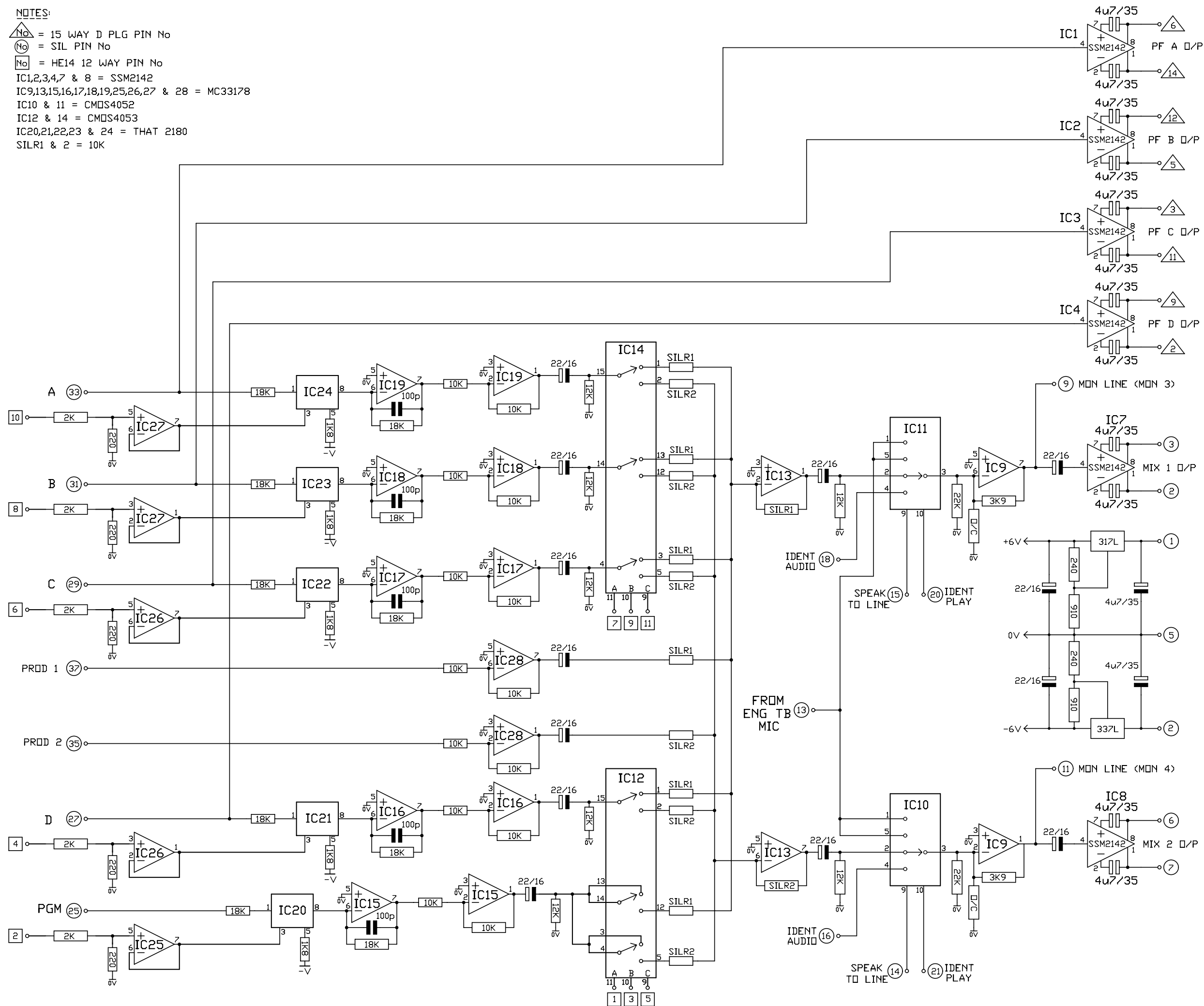


NOTES:

- (No) = SIL PIN No
- (No) = RJ45 PIN No
- IC1 & 6 = LS204
- IC2 = MC33178
- IC4 = MAX487E
- IC7,8,9 & 10 = CMOS4053
- SILR = 22K

ISSUE		DATE		DRAWING NUMBER	
1		21/02/00		A2-13746	
				DRAWN BY	AMD
				ORIGINALLY DRAWN USING EASYTRAX	

NOTES:
△No = 15 WAY D PLG PIN No
⊖No = SIL PIN No
⊖No = HE14 12 WAY PIN No
IC1,2,3,4,7 & 8 = SSM2142
IC9,13,15,16,17,18,19,25,26,27 & 28 = MC33178
IC10 & 11 = CMDS4052
IC12 & 14 = CMDS4053
IC20,21,22,23 & 24 = THAT 2180
SILR1 & 2 = 10K



 **GLENSOUND**
ELECTRONICS LTD

ISSUE	DATE
1	15/06/00
2	10/07/00

GSM94
MAIN PGM ROUTING
CIRCUIT DIAGRAM

DRAWING NUMBER

A2-13748

DRAWN BY **AMD**
ORIGINALLY DRAWN USING EASYTRAX

GLENSOUND ELECTRONICS LTD

WIRING INFORMATION FOR GSGC21B

CONN No	TYPE	FUNCTION	WIRED TO	TYPE
1	D9P	Talkback Pins 6,2 = TB3 in Pins 9,5 = TB3 out Pins 1,4,7 = Screens	Wired down to GSM90 Chassis	
1A	D15P	PF OUTPUTS Pins 6,14 = Comm A PF O/P Pins 12,5 = Comm B PF O/P Pins 3,11 = Comm C PF O/P Pins 9,2 = Comm D PF O/P Pins 13,4,10,1 = Screens	Wired down to GSM94 Chassis	
2	D25P	Main inputs & outputs Pins 14,2 = Prog 1 Line out Pins 3,16 = Prog 2 Line out Pins 17,5 = TB out to studio (Prod 1) Pins 6,19 = TB out to studio (Prod 2) Pins 20,8 = CF1 from studio Pins 9,22 = CF2 from studio Pins 23,11 = Prod 1 TB return Pins 12,25 = Prod 2 TB return Pins 1,4,7,10,13,15,18,21,24 = Screens	Wired down to GSM90 Chassis	
3-7	RJ45	To Comm Boxes D-A & Prod Box Pins 1,2 = 0v,+12v supplies Pins 3,6 = Data Pins 4,5 = Audio Pins 7,8 = L ear,R rear	Printed down to GSM91or2	
8	D9S	Sources Pins 6,2 = Aux 2 input Pins 3,8 = Aux 1 input Pins 9,5 = Prog input Pins 1,4,7 = Screens	Wired down to GSM90 Chassis	
9	D15P	Monitoring Links Pins 2&9 =) Pins 3&10 =)Interlock selector switches Pins 4&11 =)between subracks Pins 5&12 =) Pin 7 = L Ear to next subrack Pin 8 = R Ear to next subrack Pins 6,13,14,15 = Screens	Wired down to GSM90 Chassis	
10	D15S	Monitoring Links Pins 2&9 =) Pins 3&10 =)Interlock selector switches Pins 4&11 =)between subracks Pins 5&12 =) Pin 7 = L Ear from previous subrack Pin 8 = R Ear from previous subrack Pins 6,13,14,15 = Screens	Wired down to GSM90 Chassis	

CONN No	TYPE	FUNCTION	WIRED TO	TYPE
11	D9P	Loudspeakers Pins 6,2 = LS A (Left) output	Wired down to GSM90	

NOTES 1) V = VARICON. D = D CONN. X = XLR. P = FIXED PLUG. S = FIXED SOCKET
2) TW = TWISTED WIRES, TP = TWISTED PAIR, SP = SCREENED PAIR, SS = SINGLE SCREENED WIRE

GLENSOUND ELECTRONICS LTD

WIRING INFORMATION FOR GSGC21B

Pins 9,5 = LS B (Right) output

Pins 1,4,7 = Screens

Chassis

NOTES 1) V = VARICON. D = D CONN. X = XLR. P = FIXED PLUG. S = FIXED SOCKET
2) TW = TWISTED WIRES, TP = TWISTED PAIR, SP = SCREENED PAIR, SS = SINGLE SCREENED WIRE
