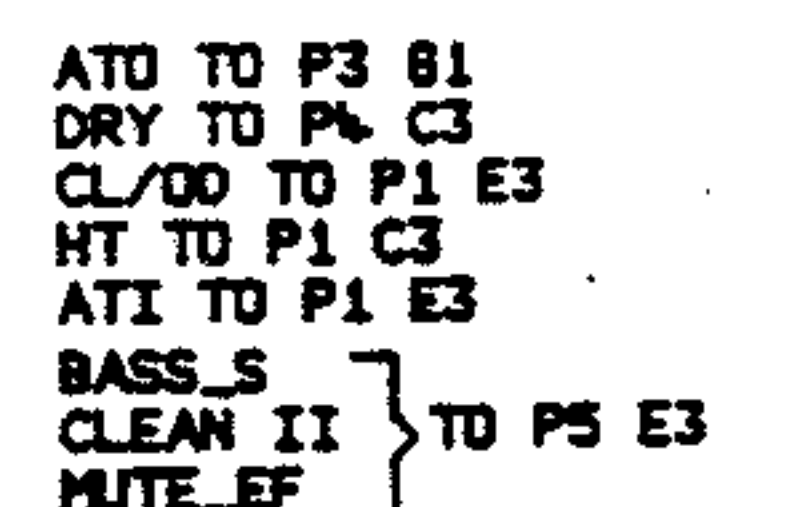
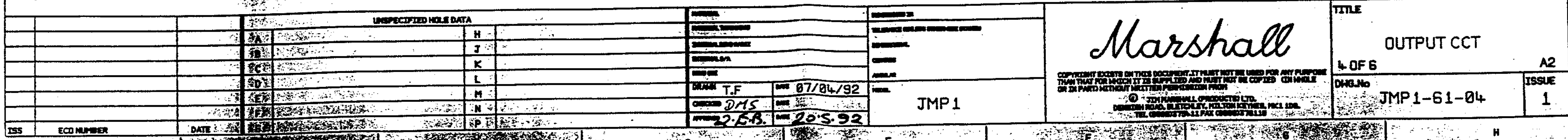




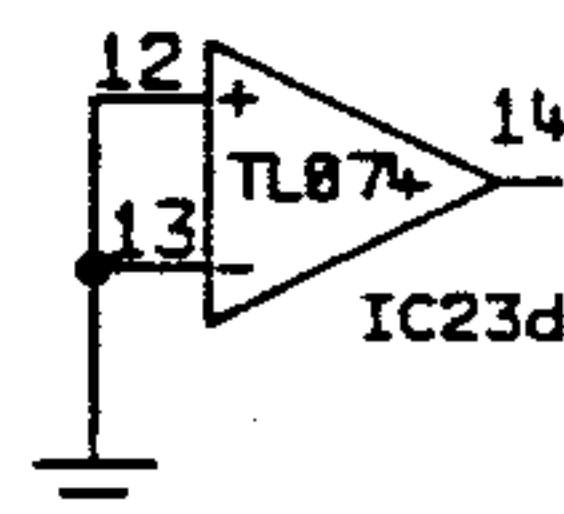
			UNSPECIFIED HOLE DATA			PURCHASER		PURCHASER'S ADDRESS		Marshall COPYRIGHT EXISTS ON THIS DOCUMENT. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE COPIED (IN WHOLE OR IN PART) WITHOUT WRITTEN PERMISSION FROM © JIM MARSHALL (PRODUCTS) LTD. DENBIGH ROAD, BLETCHLEY, MILTON KEYNES, MK1 1DB. TEL (0908 357611 FAX (0908 357612	TITLE		
			A		H	PURCHASER'S TELEPHONE		TELEPHONE (GIVEN NUMBER OTHER)			1 OF 6		A2
			B		J	INTERNAL HOLE DATA		INTERNAL			DMS No		ISSUE
			C		K	EXTERNAL HOLE DATA		EXTERNAL			JMP 1		1
			D		L	HOLE SIZE		HOLE					
			E		M	HOLE T.F.		HOLE DATE					
			F		N	HOLE DMS		HOLE DATE					
			G		O	HOLE DMS		HOLE DATE					
			H		P	HOLE DMS		HOLE DATE					
			I		Q	HOLE DMS		HOLE DATE					
			J		R	HOLE DMS		HOLE DATE					
			K		S	HOLE DMS		HOLE DATE					
			L		T	HOLE DMS		HOLE DATE					
			M		U	HOLE DMS		HOLE DATE					
			N		V	HOLE DMS		HOLE DATE					
			O		W	HOLE DMS		HOLE DATE					
			P		X	HOLE DMS		HOLE DATE					
			Q		Y	HOLE DMS		HOLE DATE					
			R		Z	HOLE DMS		HOLE DATE					
			S		AA	HOLE DMS		HOLE DATE					
			T		AB	HOLE DMS		HOLE DATE					
			U		AC	HOLE DMS		HOLE DATE					
			V		AD	HOLE DMS		HOLE DATE					
			W		AE	HOLE DMS		HOLE DATE					
			X		AF	HOLE DMS		HOLE DATE					
			Y		AG	HOLE DMS		HOLE DATE					
			Z		AH	HOLE DMS		HOLE DATE					
			AA		AI	HOLE DMS		HOLE DATE					
			AB		AJ	HOLE DMS		HOLE DATE					
			AC		AK	HOLE DMS		HOLE DATE					
			AD		AL	HOLE DMS		HOLE DATE					
			AE		AM	HOLE DMS		HOLE DATE					
			AF		AN	HOLE DMS		HOLE DATE					
			AG		AO	HOLE DMS		HOLE DATE					
			AH		AP	HOLE DMS		HOLE DATE					
			AI		AQ	HOLE DMS		HOLE DATE					
			AJ		AR	HOLE DMS		HOLE DATE					
			AK		AS	HOLE DMS		HOLE DATE					
			AL		AT	HOLE DMS		HOLE DATE					
			AM		AU	HOLE DMS		HOLE DATE					
			AN		AV	HOLE DMS		HOLE DATE					
			AO		AW	HOLE DMS		HOLE DATE					
			AP		AX	HOLE DMS		HOLE DATE					
			AQ		AY	HOLE DMS		HOLE DATE					
			AR		AZ	HOLE DMS		HOLE DATE					
			AS		BA	HOLE DMS		HOLE DATE					
			AT		BB	HOLE DMS		HOLE DATE					
			AU		BC	HOLE DMS		HOLE DATE					
			AV		BD	HOLE DMS		HOLE DATE					
			AW		BE	HOLE DMS		HOLE DATE					
			AX		BF	HOLE DMS		HOLE DATE					
			AY		BG	HOLE DMS		HOLE DATE					
			AZ		BH	HOLE DMS		HOLE DATE					
			BA		BI	HOLE DMS		HOLE DATE					
			BB		BJ	HOLE DMS		HOLE DATE					
			BC		BK	HOLE DMS		HOLE DATE					
			BD		BL	HOLE DMS		HOLE DATE					
			BE		BM	HOLE DMS		HOLE DATE					
			BF		BN	HOLE DMS		HOLE DATE					
			BG		BO	HOLE DMS		HOLE DATE					
			BH		BP	HOLE DMS		HOLE DATE					
			BI		BQ	HOLE DMS		HOLE DATE					
			BJ		BR	HOLE DMS		HOLE DATE					
			BK		BS	HOLE DMS		HOLE DATE					
			BL		BT	HOLE DMS		HOLE DATE					
			BM		BU	HOLE DMS		HOLE DATE					
			BN		BV	HOLE DMS		HOLE DATE					
			BO		BW	HOLE DMS		HOLE DATE					
			BP		BX	HOLE DMS		HOLE DATE					
			BQ		BY	HOLE DMS		HOLE DATE					
			BR		BZ	HOLE DMS		HOLE DATE					
			BS		CA	HOLE DMS		HOLE DATE					
			BT		CB	HOLE DMS		HOLE DATE					
			BU		CC	HOLE DMS		HOLE DATE					
			BV		CD	HOLE DMS		HOLE DATE					
			BW		CE	HOLE DMS		HOLE DATE					
			BX		CF	HOLE DMS		HOLE DATE					
			BY		CG	HOLE DMS		HOLE DATE					
			BZ		CH	HOLE DMS		HOLE DATE					
			CA		CI	HOLE DMS		HOLE DATE					
			CB		CJ	HOLE DMS		HOLE DATE					
			CC		CK	HOLE DMS		HOLE DATE					
			CD		CL	HOLE DMS		HOLE DATE					
			CE		CM	HOLE DMS		HOLE DATE					
			CF		CN	HOLE DMS		HOLE DATE					
			CG		CO	HOLE DMS		HOLE DATE					
			CH		CP	HOLE DMS		HOLE DATE					
			CI		CQ	HOLE DMS		HOLE DATE					
			CJ		CR	HOLE DMS		HOLE DATE					
			CK		CS	HOLE DMS		HOLE DATE					
			CL		CT	HOLE DMS		HOLE DATE					
			CM		CU	HOLE DMS		HOLE DATE					
			CN		CV	HOLE DMS		HOLE DATE					
			CO		CW	HOLE DMS		HOLE DATE					
			CP		CX	HOLE DMS		HOLE DATE					
			CQ		CY	HOLE DMS		HOLE DATE					
			CR		CZ	HOLE DMS		HOLE DATE					
			CS		DA	HOLE DMS		HOLE DATE					
			CT		DB	HOLE DMS		HOLE DATE					
			CU		DC	HOLE DMS		HOLE DATE					
			CV		DD	HOLE DMS		HOLE DATE					
			CW		DE	HOLE DMS		HOLE DATE					
			CX		DF	HOLE DMS		HOLE DATE					
			CY		DG	HOLE DMS		HOLE DATE					
			CZ		DH	HOLE DMS		HOLE DATE					
			DA		DI	HOLE DMS		HOLE DATE					
			DB		DJ	HOLE DMS		HOLE DATE					
			DC		DK	HOLE DMS		HOLE DATE					
			DD		DL	HOLE DMS		HOLE DATE					
			DE		DM	HOLE DMS		HOLE DATE					
			DF		DN	HOLE DMS		HOLE DATE					
			DG		DO	HOLE DMS		HOLE DATE					
			DH		DP	HOLE DMS		HOLE DATE					
			DI		DQ	HOLE DMS		HOLE DATE					
			DJ		DR	HOLE DMS		HOLE DATE					
			DK		DS	HOLE DMS		HOLE DATE					
			DL		DT	HOLE DMS		HOLE DATE					
			DM		DU	HOLE DMS		HOLE DATE					
			DN		DV	HOLE DMS		HOLE DATE					
			DO		DW	HOLE DMS		HOLE DATE					
			DP		DX	HOLE DMS		HOLE DATE					
			DQ		DY	HOLE DMS		HOLE DATE					
			DR		DZ	HOLE DMS		HOLE DATE					
			DS		EA	HOLE DMS		HOLE DATE					
			DT		EB	HOLE DMS		HOLE DATE					
			DU		EC	HOLE DMS		HOLE DATE					
			DV		ED	HOLE DMS		HOLE DATE					
			DW		EE	HOLE DMS		HOLE DATE					
			DX		EF	HOLE DMS		HOLE DATE					
			DY		EG	HOLE DMS		HOLE DATE					
			DZ		EH	HOLE DMS		HOLE DATE					
			EA		EI	HOLE DMS		HOLE DATE					
			EB		EJ	HOLE DMS		HOLE DATE					
			EC		EK	HOLE DMS		HOLE DATE					
			ED		EL	HOLE DMS		HOLE DATE					
			EE		EM	HOLE DMS		HOLE DATE					
			EF		EN	HOLE DMS		HOLE DATE					
			EG		EO	HOLE DMS		HOLE DATE					
			EH		EP	HOLE DMS		HOLE DATE					
			EI		EQ	HOLE DMS		HOLE DATE					
			EJ		ER	HOLE DMS		HOLE DATE					
			EK		ES	HOLE DMS		HOLE DATE					
			EL		ET	HOLE DMS		HOLE DATE					
			EM		EU	HOLE DMS		HOLE DATE					
			EN		EV	HOLE DMS		HOLE DATE					
			EO		EW	HOLE DMS		HOLE DATE					
			EP		EX	HOLE DMS		HOLE DATE					
			EQ		EY	HOLE DMS		HOLE DATE					
			ER		EZ	HOLE DMS		HOLE DATE					
			ES		FA	HOLE DMS		HOLE DATE					
			ET		FB	HOLE DMS		HOLE DATE					
			EU		FC	HOLE DMS		HOLE DATE					
			EV		FD	HOLE DMS		HOLE DATE					
			EW		FE	HOLE DMS		HOLE DATE					
			EX		FF	HOLE DMS		HOLE DATE					
			EY		FG	HOLE DMS		HOLE DATE					
			EZ		FH	HOLE DMS		HOLE DATE					
			FA		FI	HOLE DMS		HOLE DATE					
			FB		FJ	HOLE DMS		HOLE DATE					
			FC		FK	HOLE DMS		HOLE DATE					
			FD		FL	HOLE DMS		HOLE DATE					
			FE		FM	HOLE DMS		HOLE DATE					
			FF		FN	HOLE DMS		HOLE DATE					
			FG		FO	HOLE DMS		HOLE DATE					
			FH		FP	HOLE DMS		HOLE DATE					
			FI		FQ	HOLE DMS		HOLE DATE					
			FJ		FR	HOLE DMS		HOLE DATE					
			FK		FS	HOLE DMS		HOLE DATE					
			FL		FT	HOLE DMS		HOLE DATE					
			FM		FU	HOLE DMS		HOLE DATE					
			FN		FV	HOLE DMS		HOLE DATE					
			FO		FW	HOLE DMS		HOLE DATE					
			FP		FX	HOLE DMS		HOLE DATE					
			FQ		FY	HOLE DMS		HOLE DATE					
			FR		FZ	HOLE DMS		HOLE DATE					
			FS		GA	HOLE DMS		HOLE DATE					
			FT		GB	HOLE DMS		HOLE DATE					
			FU		GC	HOLE DMS		HOLE DATE					
			FV		GD	HOLE DMS		HOLE DATE					
			FW		GE	HOLE DMS		HOLE DATE					
			FX		GF	HOLE DMS		HOLE DATE					
			FY		GG	HOLE DMS		HOLE DATE					
			FZ		GH	HOLE DMS		HOLE DATE					
			GA		GI	HOLE DMS		HOLE DATE					
			GB		GJ	HOLE DMS		HOLE DATE					
			GC		GK	HOLE DMS		HOLE DATE					



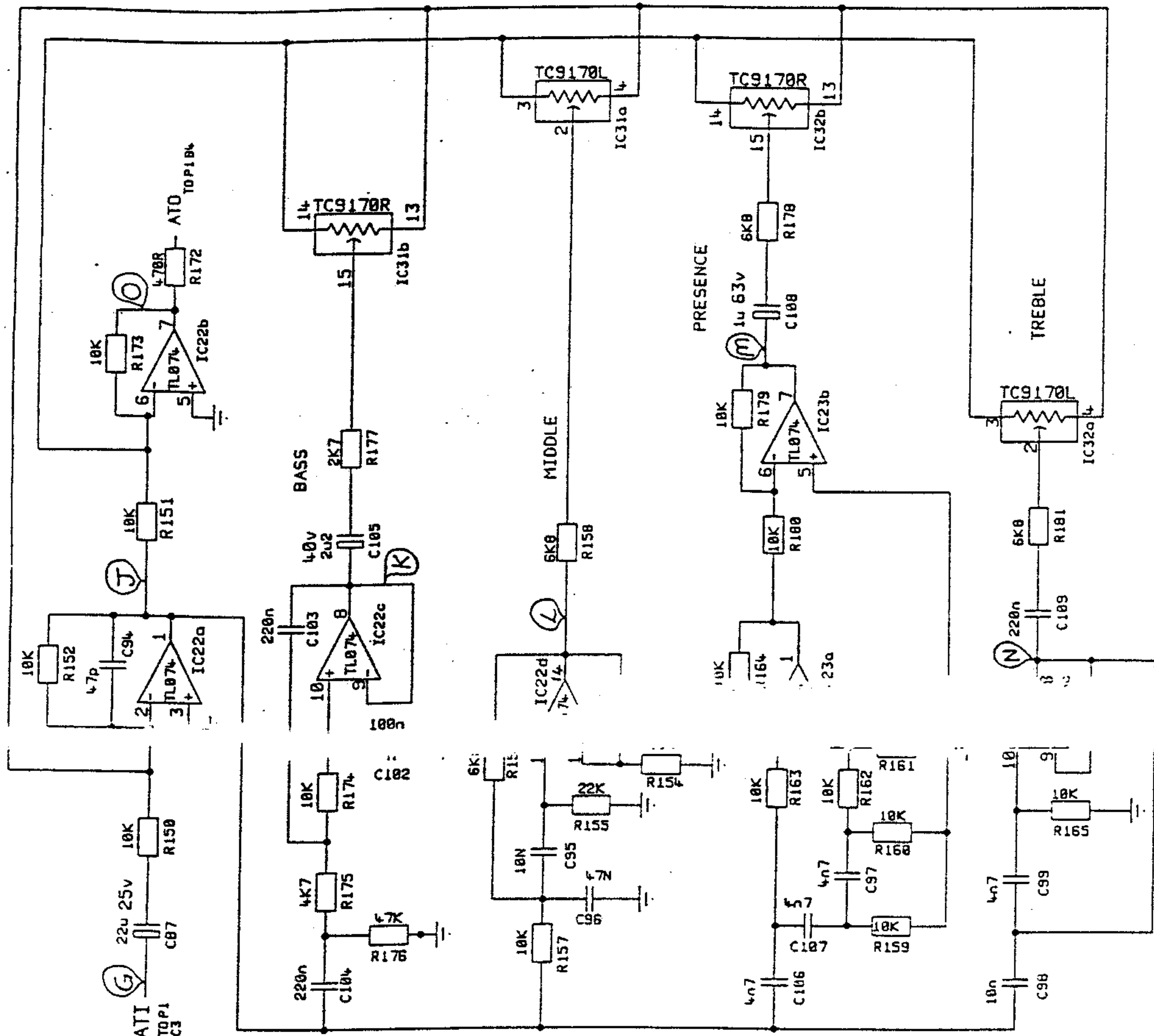
COPIRIGHT EXISTS ON THIS DOCUMENT. IT MUST NOT BE USED FOR ANY PURPOSE
THAN THAT FOR WHICH IT WAS SUPPLIED AND MUST NOT BE COPIED OR WHOLE
OR IN PART WITHOUT WRITTEN PERMISSION FROM

④ JEN MARSHALL O'ROURKE LTD.
DORSETT ROAD, BILLCOTELEY, MILTON KEYNES, MK1 1DL.
TEL. 0908 707 11 FAX 0908 707 110

TITLE	
OUTPUT CCT	
4 OF 6	A2
DWG No	ISSUE
JMP 1-61-04	1



			UNSPECIFIED HOLE DATA			MATERIAL		DIMENSIONS IN		Marshall COPYRIGHT EXCEPT BY THIS DOCUMENT, IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE COPIED OR REPRODUCED OR IN PART OR IN WHOLE WITHOUT THE WRITTEN PERMISSION OF THE SUPPLIER © 1994 MARSHALL PRODUCTS LTD. PO BOX 100, BLYTH, NORTHERN IRELAND, BT21 1YU. TEL: 02830 70011 FAX: 02830 70010	TITLE												
			A		H	MATERIAL THICKNESS		TOLERANCE UNLESS OTHERWISE STATED			ACTIVE TONE CCT												
			B		J	INTERNAL BEND RADIUS		DIMENSIONAL			3 OF 6												
			C		K	EXTERNAL B/A		CENTRES			A3												
			D		L	BEND DUE		ANGULAR			ISSUE												
			E		M	DRAWN T.F.	DATE 07/04/92	MODEL			JMP 1												
			F		N	CHECKED DYS	DATE			DWG.No													
			G		P	APPROVED 2.5.8	DATE 20.5.92			JMP 1-61-04													
ISS	ECO NUMBER	DATE									1												
A			B			C			D			E			F			G			H		



KEY WAVEFORMS

DESCRIPTION	TEST POINT	CLEAN-1 CHANNEL WAVE FM./VOLT	CLEAN-2 CHANNEL WAVE FM./VOLT	OD-1 CHANNEL WAVE FM./VOLT	OD-2 CHANNEL WAVE FM./VOLT
I/P IC19a	A	1Vpp	2Vpp	1.8Vpp	1.8Vpp
PIN 3					
O/P IC19b	B	30Vpp	30Vpp	30Vpp	30Vpp
PIN 7					
I/P VB2a	C	200mVpp	200mVpp	4Vpp	4Vpp
C85/R125					
O/P VB2a	D	5.5Vpp	5.5Vpp	100Vpp	100Vpp
R126					
O/P VB2b	E	5Vpp	5Vpp	100Vpp	100Vpp
C51/R92					
O/P IC12c	F			1.5Vpp	1.4Vpp
PIN 4					
O/P IC18	G	5.4Vpp	3Vpp	2.5Vpp	1.5Vpp
PIN 5					
O/P VB1a	H	16Vpp	32Vpp	28Vpp	28Vpp
R63/R81					
O/P IC22a	J	4.5Vpp	7.2Vpp	1.9Vpp	1.4Vpp
PIN 1					
O/P IC22c	K	1.3Vpp	1.9Vpp	1.4Vpp	200mVpp
PIN 8					
O/P IC22d	L	2.1Vpp	5Vpp	930mVpp	1.2Vpp
PIN 14					
O/P IC23b	M	1.3Vpp	2.4Vpp	1.5Vpp	1.2Vpp
PIN 7					

(1) TONE CCT & WAVEFORMS.

PIN 9				
O/P IC22b	O	5Vpp	8Vpp	2.4Vpp
PIN 7				
O/P VOL	P	15Vpp	25Vpp	7.5Vpp
C111/R34				
O/P IC33a/b	Q	2.2Vpp	1.4Vpp	3.5Vpp
PIN 1/7				
O/P IC2a/b +4dB	R	30Vpp	30Vpp	14Vpp
PIN 1/7 -10dB	S	5.2Vpp	10Vpp	2.9Vpp
O/P IC4a/b +4dB	T	15Vpp		
PIN 1/7 -10dB		5Vpp		
O/P IC11a/d		14Vpp	23Vpp	9.5Vpp
PIN 1/14				8.4Vpp

