B150-60-02

-15 GRND +15
25V 25V
C22 10u C19 C21 10u
100n
C8
100n
C23
100n
C14
100n
IC5b LM3080
IC4c TL072
IC3c TL072
IC2c TL072
IC1c MC1458

LIMITER
VR5 B20K
R19 36K
R18 18K
R20 110K
R15 18K
R17 18K
R16 150K
220K R21
1N4148 D3
1N4148 D2
C9 22p
1N4148
D1
IC1a MC1458
C10 100p
IC1b MC1458
DIRTY (GRND)

GRAPHIC
R50 470R
220n C40
-15
BC212 TR1
IC2a TL072
100p C12
100K R27
1K5 R28
R23 470R
4K7 R48
BC212 TR2
22K R22
R/A 5mm RED LED1
D6 1N4148
R26 4K7
R24 4K7
C11 10V 47u
1K5 R25
COMPRESSION LED

IC2b TL072
220p C13
150K
R29
IC5a LM3080
R45 10K
R49 10K
C31 100p
100R R46
500V NOT FITTED C39 10n
100R R47
C32 100p
C30 10u 25V
6n8 C37
R57 12K
68n C38
1MEG R59
A100K VR4
C24 10u
25V
22K R56
4n7 C36
47n C35
A100K VR3
2K2 R55
GRND
TREBLE
BASS

COMPRESSION
+15 -15
1N4148 D4
D5 1N4148
EHT
R10 100K 1/2W
R9 100K 1/2W
22n 400V C4
220p 500V C5
R14 470K
C34 10u 25V
R58 33K
TO CON3 (A4) DRG B150-61-02
CON1 10 9 8 7 6 5 4 3 2 1
GRAPHIC GRND -15 +15 DIRTY LIMITER EHT FIL_B FIL_A

PASSIVE
JS2 T S S2-PC MONOP
100n C15 1K R33
IC3a TL072
C20 22p
INPUTS
JS1 T S S2-PC MONOP
ACTIVE
R30 22K
R31 22K
C16 100p
R34 1MEG
GRND
R51 470R
C18 100n
C17 100n
27K R36
R52 470R
VR1 B20K
15K R37
2K2 R53
C33 10u 25V
R35 56K
IC3b TL072
GAIN

1K R32
C1 10n
R1 100K
C2 2u2 40V
R2 1K5
C3 2u2 40V
R5 1K5
R6 1MEG
V1 ECC83
AA BA AG BG AK AH CH BH BK
FIL_A FIL_B
R3 2K2
R4 2K2
R11 82K
R8 120K
R12 180K
R13 5K6
R7 56K
22n 400V C6
22n 400V C7
B10K VR2a
B10K VR2b
BLEND

C28 100n
R44 33K
IC4a TL072
10u C29 25V
SW3b
C27 15n
R54 10K
DEEP

47K R39
47K R38
R40 12K
R41 12K
C25 22p
IC4b TL072
22n C26
R42 1K5
SW4b
R60 1MEG
BRIGHT

NOTES
1) ALL RESISTORS 1/4W UNLESS STATED.
2) SWITCHES ARE SHOWN IN THE OFF POS.N (OUT)
3) TO CON9 (A4) = TO CONNECTOR 9 GRID REF A4 DRG B150-60-0B
4) C39 IS NOT FITTED.

			ALL OTHER HOLES =									X = (THROUGH PLATED)		
			A			E			J			N		
			B			F			K			P		
2	1165	8-10-96	C			G			L			Q		
ISS	ECO NUMBER	DATE	D			H			M			R		

MATERIAL		DIMENSIONS IN	
MATERIAL THICKNESS		TOLERANCE (UNLESS UTHERWISE STATED)	
DRAWN B.KEIR	DATE 07.06.95		
CHECKED	DATE	MODEL	B150
APPROVED	DATE		

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DENBIGH ROAD, BLETCHLEY, MILTON KEYNES, MK1 1DQ.
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TITLE
PRE AMP 1 CIRCUIT

DWG.No B150-60-02 ISS 2