

1

2

3

4

5

6

A

A

NOTE 1. PHOTOGRAPHIC NEGATIVE OR POSITIVE AVAILABLE ON THE AUTHORIZATION OF THE ORIGINATING SECTION  
2. SHEET 1&2 ARE NOT AVAILABLE FOR DIAZO PRINTS

B

B

C

C

D


D

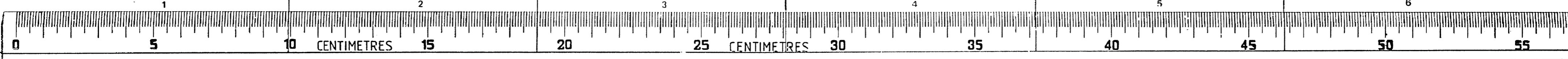
SHT N°	SIZE	SUB-TITLE	ISSUE	SHT N°	SIZE	SUB-TITLE	ISSUE
				1	A2	COPPER SIDE ARTWORK	A
				2	A2	SILKSCREEN ARTWORK	A
				3	A2	BOARD LAYOUT & CIRCUIT DIAGRAM	A B

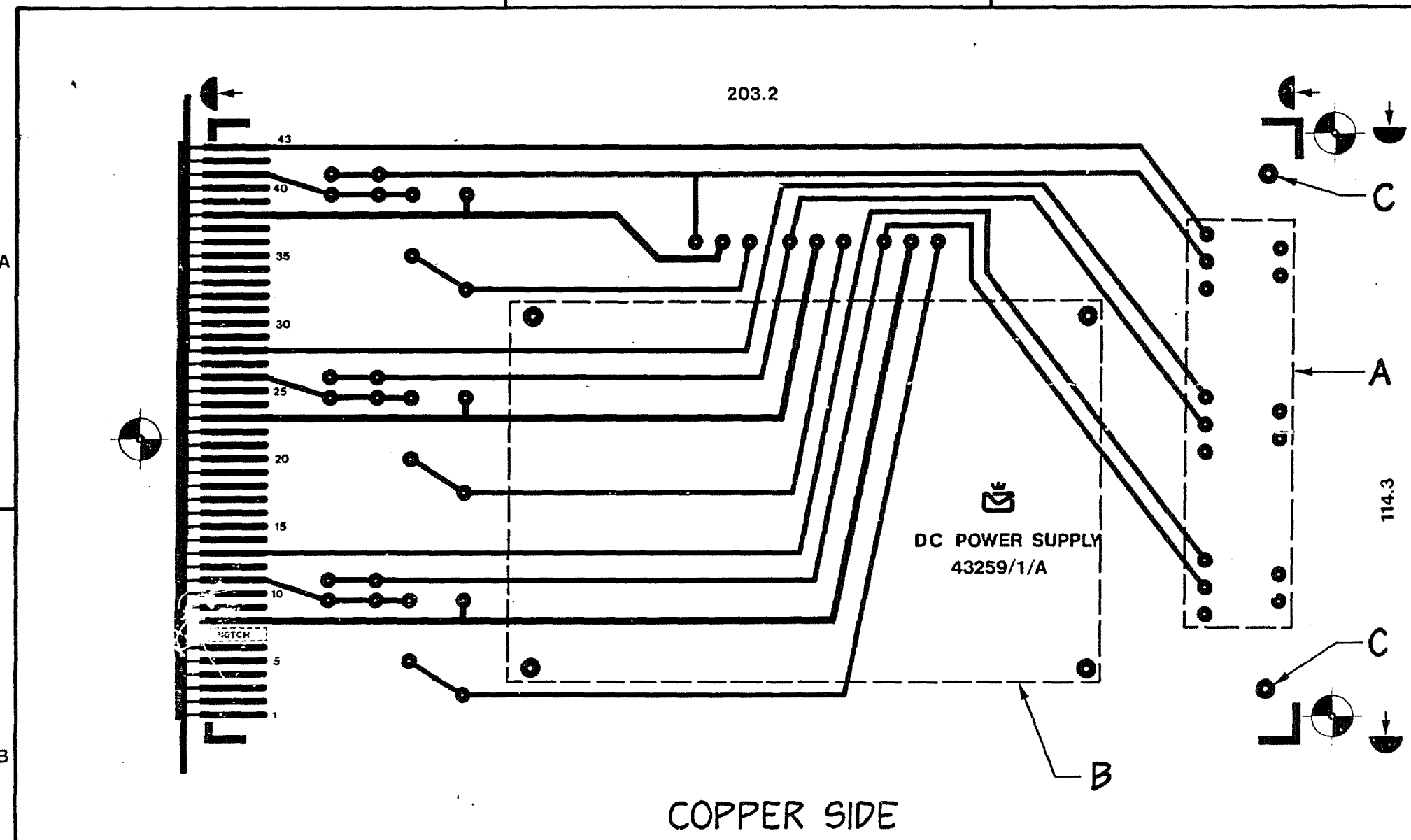
UD 236

D	10.3.83	DCW	LG	008032	RDP	JR	SHT. 3 AMENDED
A	8.9.82	TMG	LG	0080513	GCG	JR	
ISS	DATE	DEL	DC	ORDER	CKD	APPD	CHANGE

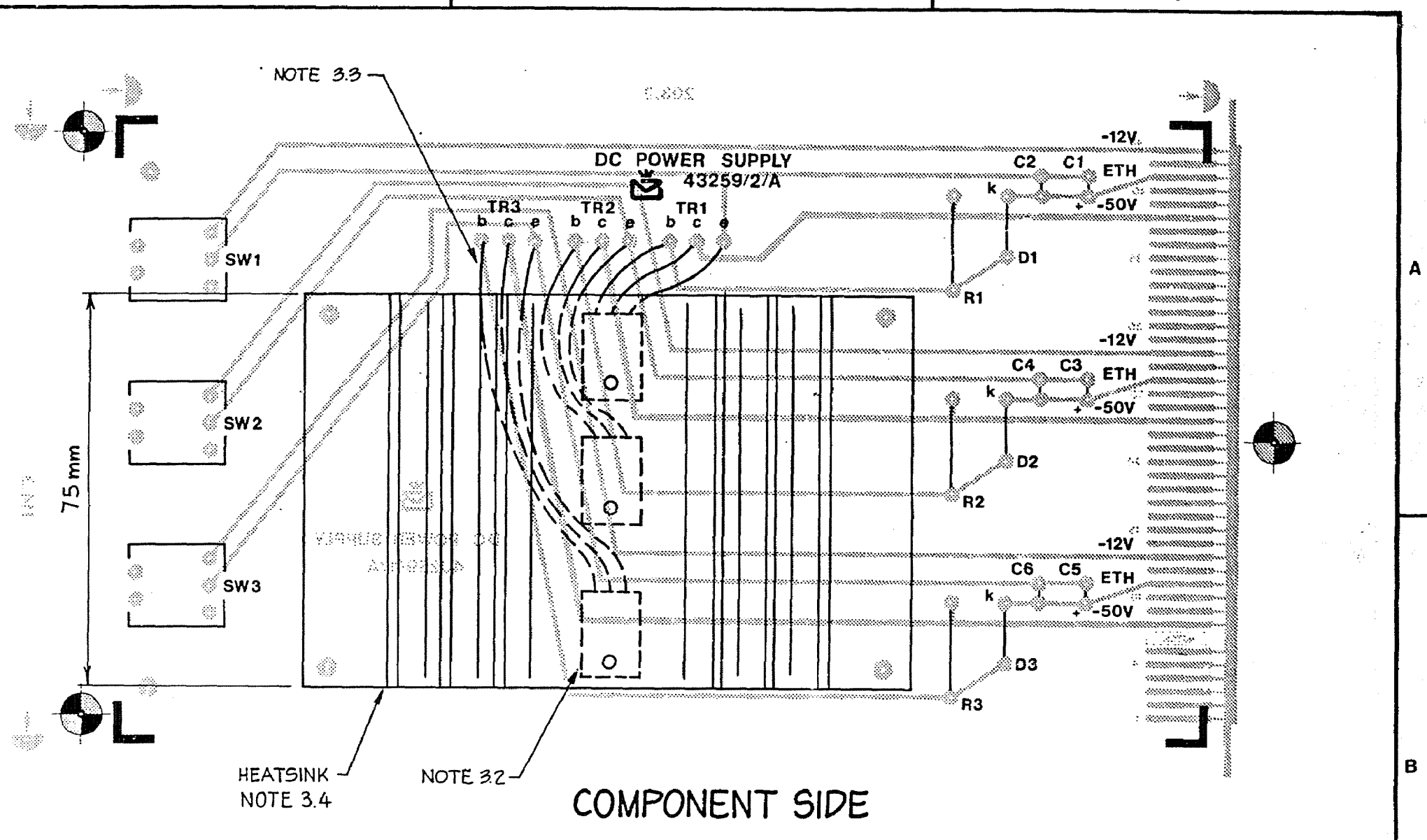
DC POWER SUPPLY  
(INDEX SHEET)

DRN: SS	CKD: GCG	ORIGIN: SS
TCD: TMG	APPD: JR	STANDARD: BS3939
NZ PO ENGINEER - IN- CHIEF, WELLINGTON		
	SHT IND	43259
	SIZE A2	





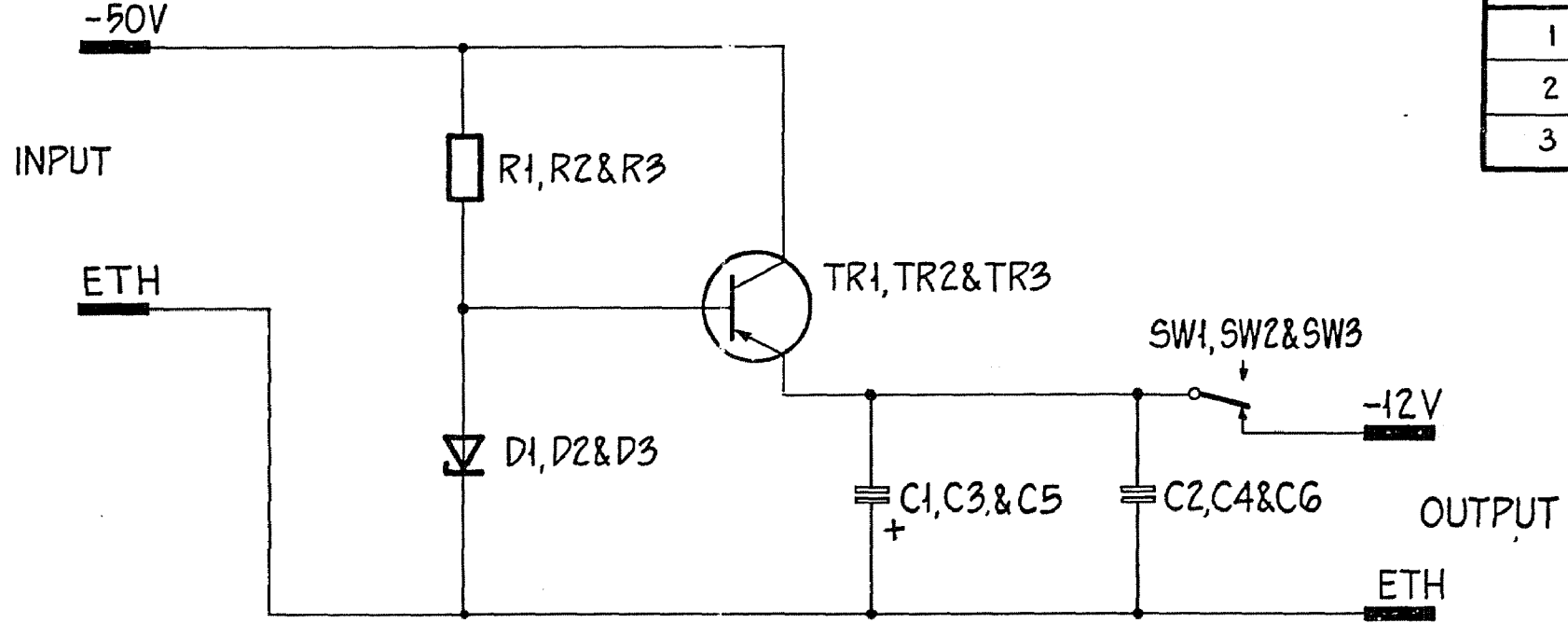
COPPER SIDE



COMPONENT SIDE

DRILLING SCHEDULE		
SYMBOL	FINISHED HOLE SIZE	QUANTITY
UNMARKED	1.0mm Ø	37
A	1.5mm Ø	15
B	3.0mm Ø	4
C	3.5mm Ø	2
TOTAL NUMBER OF HOLES		54

COMPONENT LIST			
COMPONENT DESIGNATION	COMPONENT TYPE	VALUE	RATING / TOLERANCE
R1, R2 & R3	RESISTOR	6.8K	1/2W / 5%
D1, D2 & D3	DIODES ZENER	12V	400mW / 5%
TR1, TR2 & TR3	TRANSISTOR TIP125		
C1, C3 & C5	CAPACITOR ELECTROLYTIC	22	25V
C2, C4 & C6	CAPACITOR	0.01	25V
SW1, SW2 & SW3	TOGGLE SWITCH SUB-MINIATURE ST1-1L353AQ AMERICAN SWITCH CORP (AGENTS PROFESSIONAL ELECTRONICS) OR APPROVED ALTERNATIVE		
HEATSINK	NOTE 3.4		
TRANSISTOR MOUNTING	MOTOROLA TO-220AB OR APPROVED ALTERNATIVE		



CIRCUIT DIAGRAM

CIRCUIT	COMPONENTS	EDGE CONNECTORS		
		-12V	ETH	-50V
1	R1, D1, TR1, SW1, C1 & C2	43	41	38
2	R2, D2, TR2, SW2, C3 & C4	28	26	23
3	R3, D3, TR3, SW3, C5 & C6	13	11	8

CIRCUIT CONNECTIONS

- NOTES
- 3.1 ONE 50V 0.5A FUSE PER CIRCUIT
  - 3.2 TRANSISTOR MOUNTED ON UNDERSIDE OF HEATSINK ATTACHED USING MOUNTING HARDWARE MOTOROLA TO-220 AB OR APPROVED ALTERNATIVE
  - 3.3 INSULATED WIRE BETWEEN TRANSISTOR AND PAD
  - 3.4 HEATSINK, 75mm WIDE EXTRUSION, ULLRICH ALUMINIUM N°UA3133 OR ALCAN N°22NZ 1993, COLOUR BLACK

DC POWER SUPPLY  
BOARD LAYOUT & CIRCUIT DIAGRAM

B 16.3.83 MINOR CHANGES AND NOTE 3.4 ADDED		
A 8.9.82		
ISS DATE	CHANGE	
DRN SS	CKD GCG	ORIGIN SS
TCD TMG	APPD JR	STANDARD IPC-D-310A
NZPO ENGINEER-IN-CHIEF, WELLINGTON		
SHT	3	43259
SIZE	A2	

