

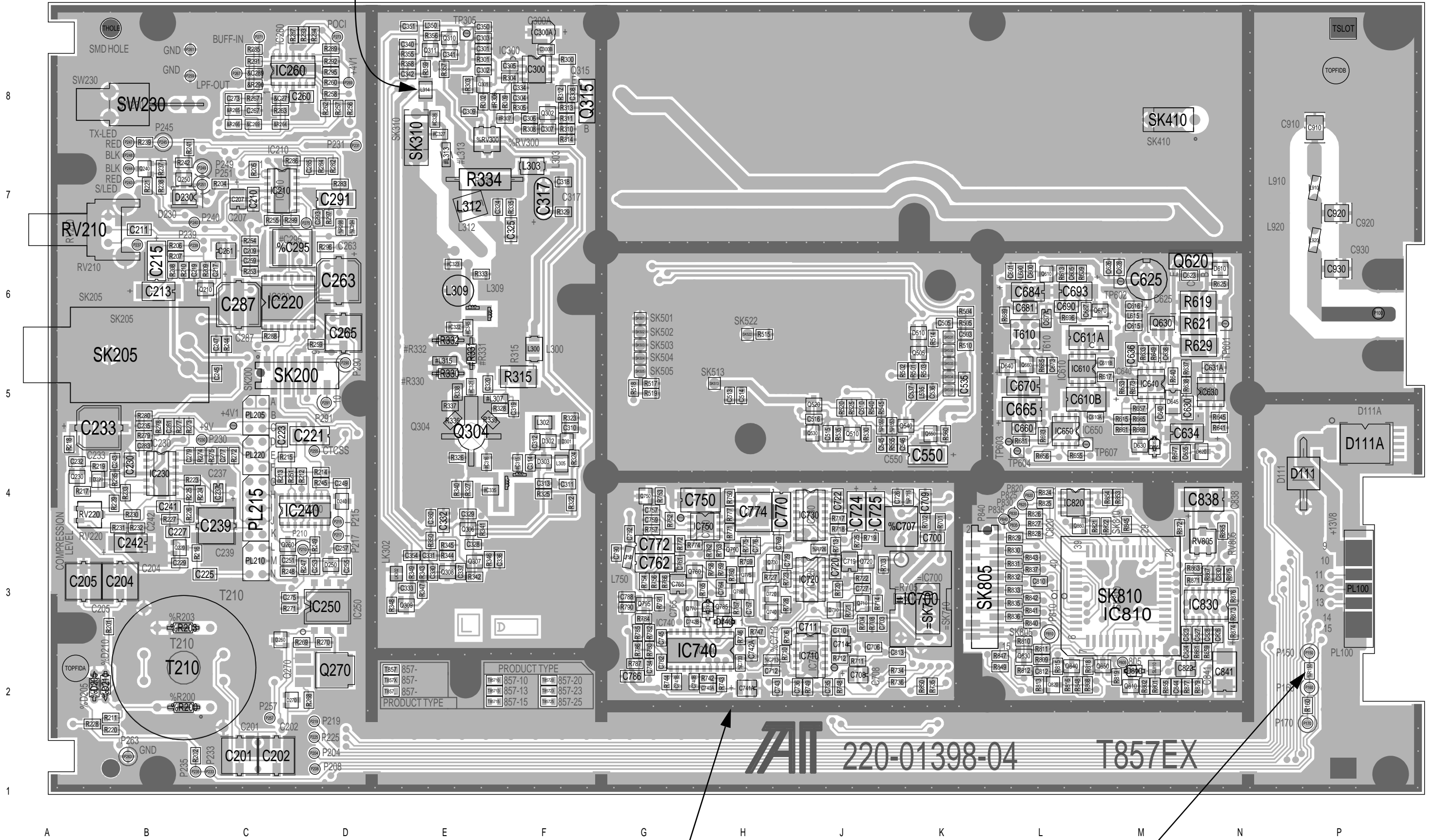
Key

The upper number is the component identification number which appears in the "Legend" column of the Mechanical & Miscellaneous Parts on the facing page.

33
2

The lower number indicates how many of this component are used in this location or function.

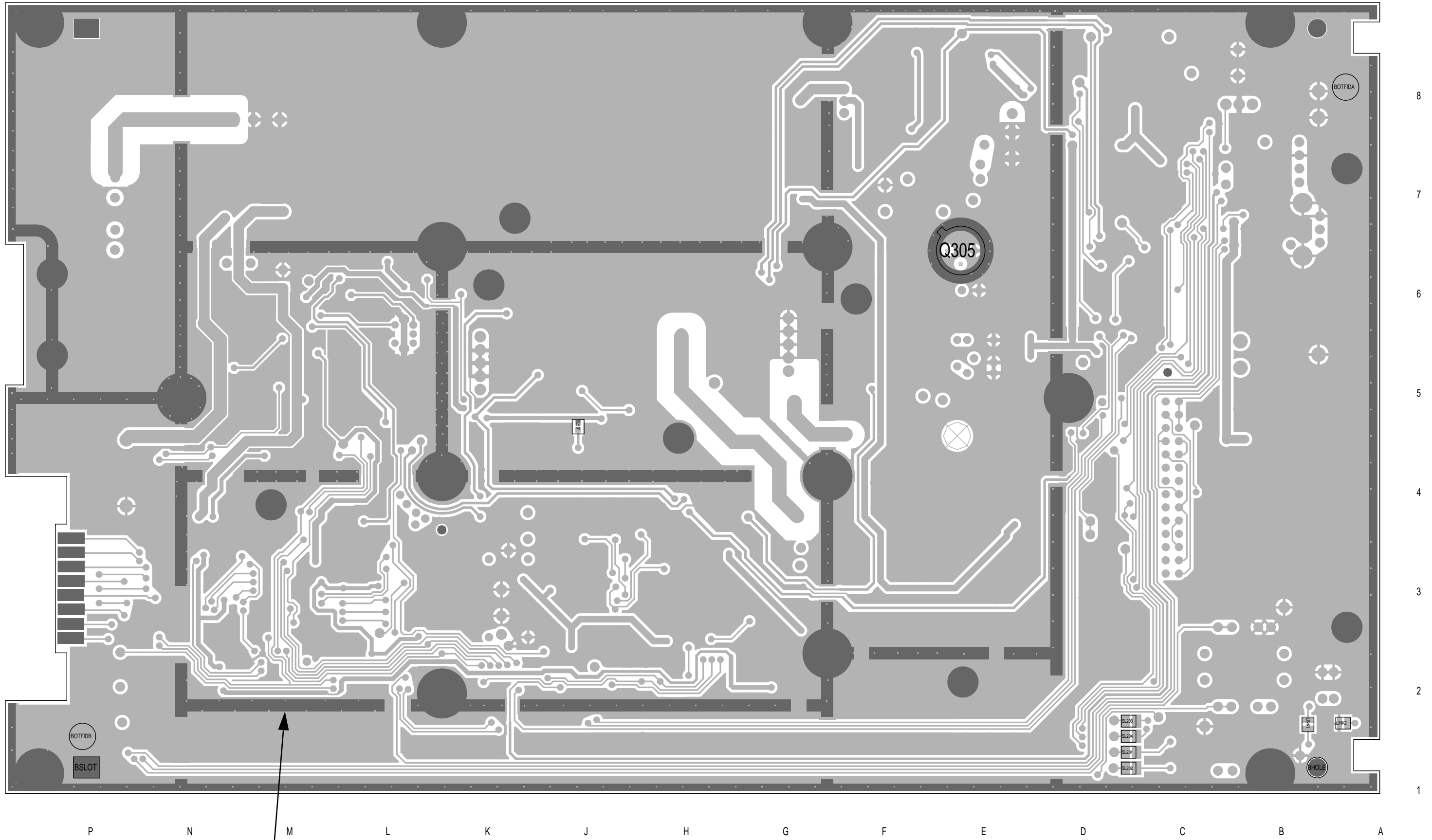
L314 is fitted only when cyclic keying is required.



The darker shading shows the outline of the chassis.

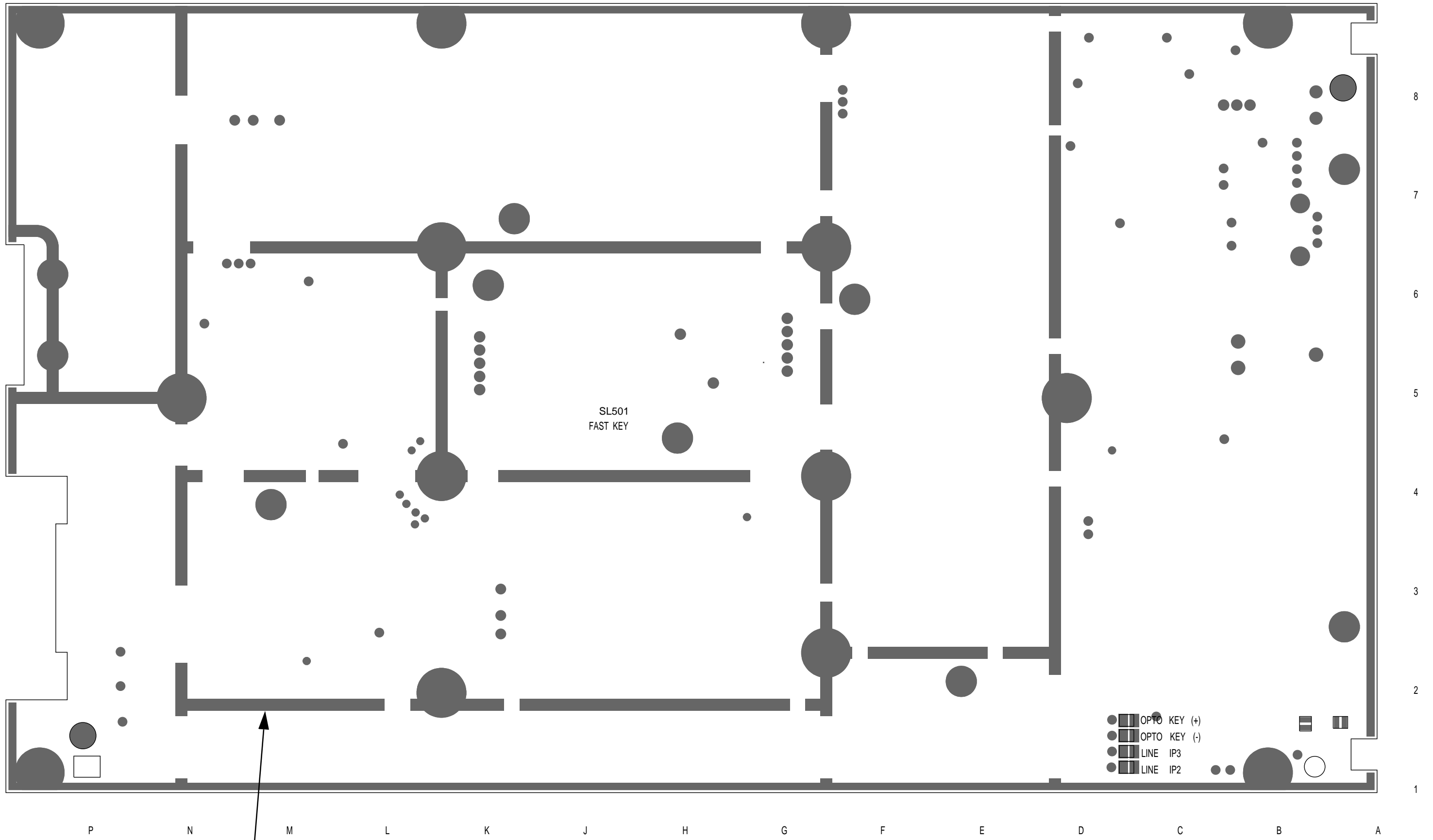
%R150 (10Ω) is fitted only when the T857 is used in a Series I rack frame (refer to Part I for full details).

T857 PCB Layout - Top Side 220-01398-04



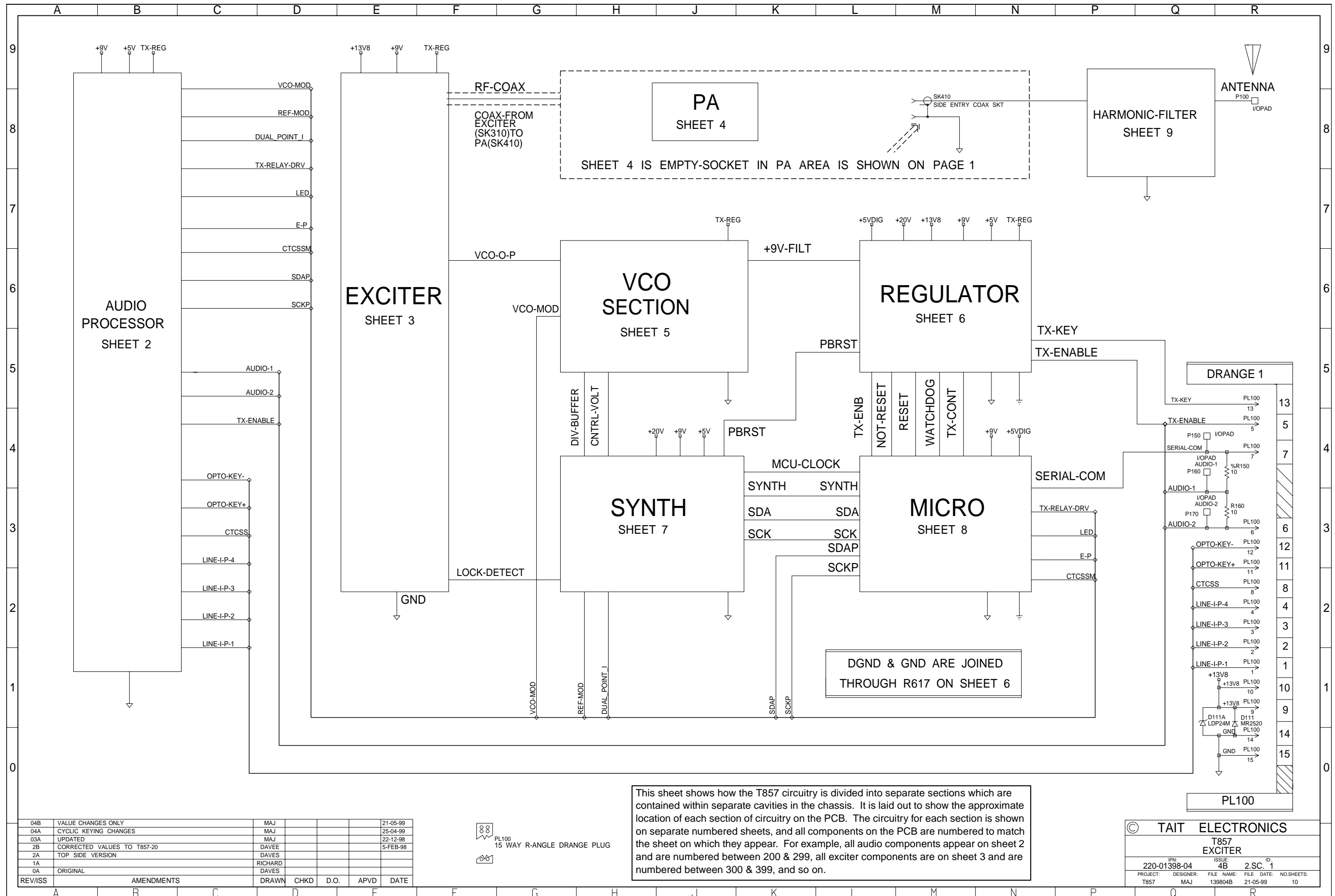
The darker shading shows the footprint of the bottom cover.

T857 PCB Layout - Bottom Side
220-01398-04



The darker shading shows the footprint of the bottom cover.

T857 Test Points & Options Connections - Bottom Side
220-01398-04

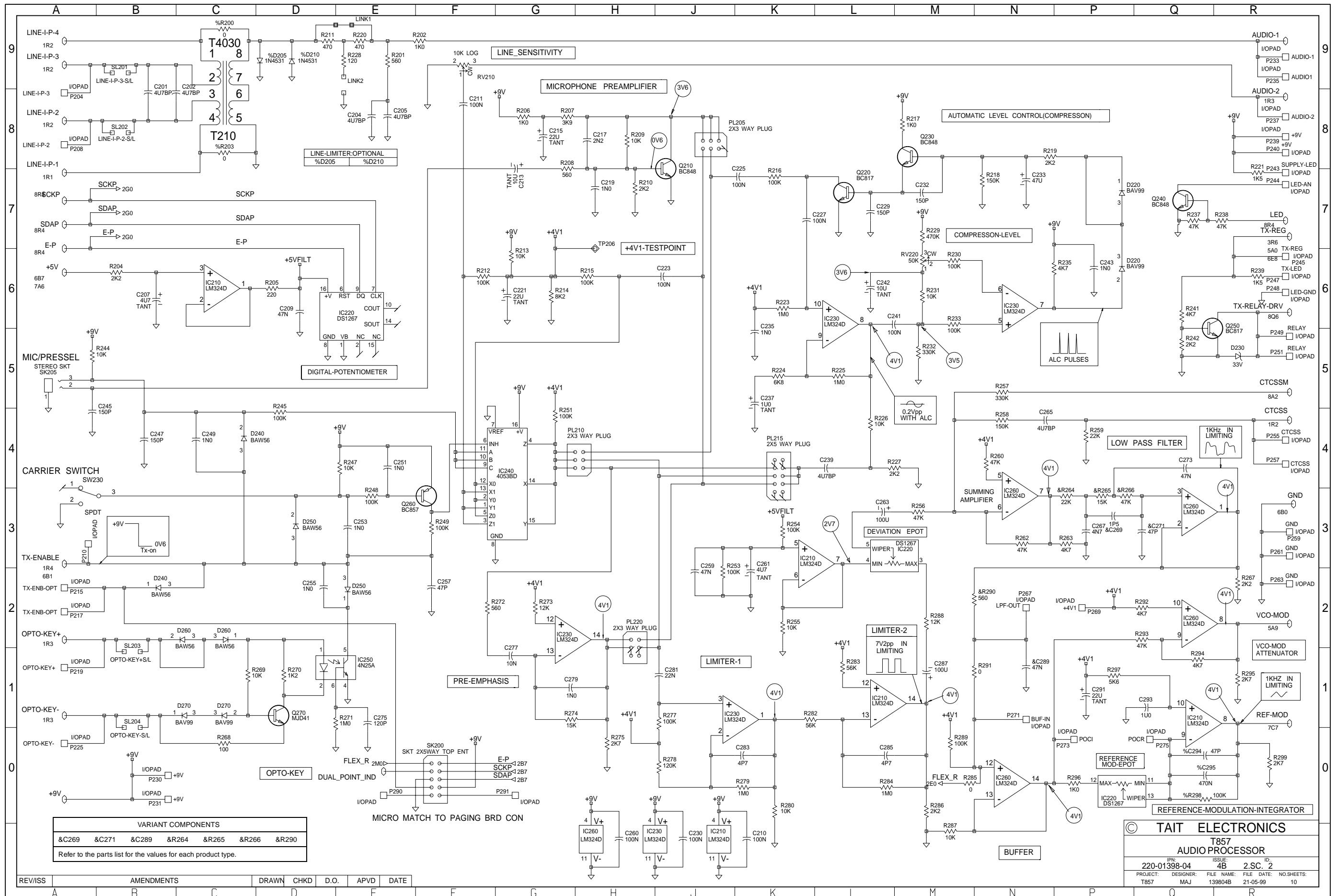


This sheet shows how the T857 circuitry is divided into separate sections which are contained within separate cavities in the chassis. It is laid out to show the approximate location of each section of circuitry on the PCB. The circuitry for each section is shown on separate numbered sheets, and all components on the PCB are numbered to match the sheet on which they appear. For example, all audio components appear on sheet 2 and are numbered between 200 & 299, all exciter components are on sheet 3 and are numbered between 300 & 399, and so on.

© TAIT ELECTRONICS	
T857 EXCITER	
IPN: 220-01398-04	ISSUE: 4B 2.S.C. 1
PROJECT: T857	DESIGNER: MAJ
FILE NAME: 139804B	FILE DATE: 21-05-99
NO. SHEETS: 10	

04B	VALUE CHANGES ONLY	MAJ				21-05-99
04A	CYCLIC KEYING CHANGES	MAJ				25-04-99
03A	UPDATED	MAJ				22-12-98
2B	CORRECTED VALUES TO T857-20	DAVEE				5-FEB-98
2A	TOP SIDE VERSION	DAVES				
1A		RICHARD				
0A	ORIGINAL	DAVES				
REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE





VARIANT COMPONENTS

&C269	&C271	&C289	&R264	&R265	&R266	&R290
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Refer to the parts list for the values for each product type.

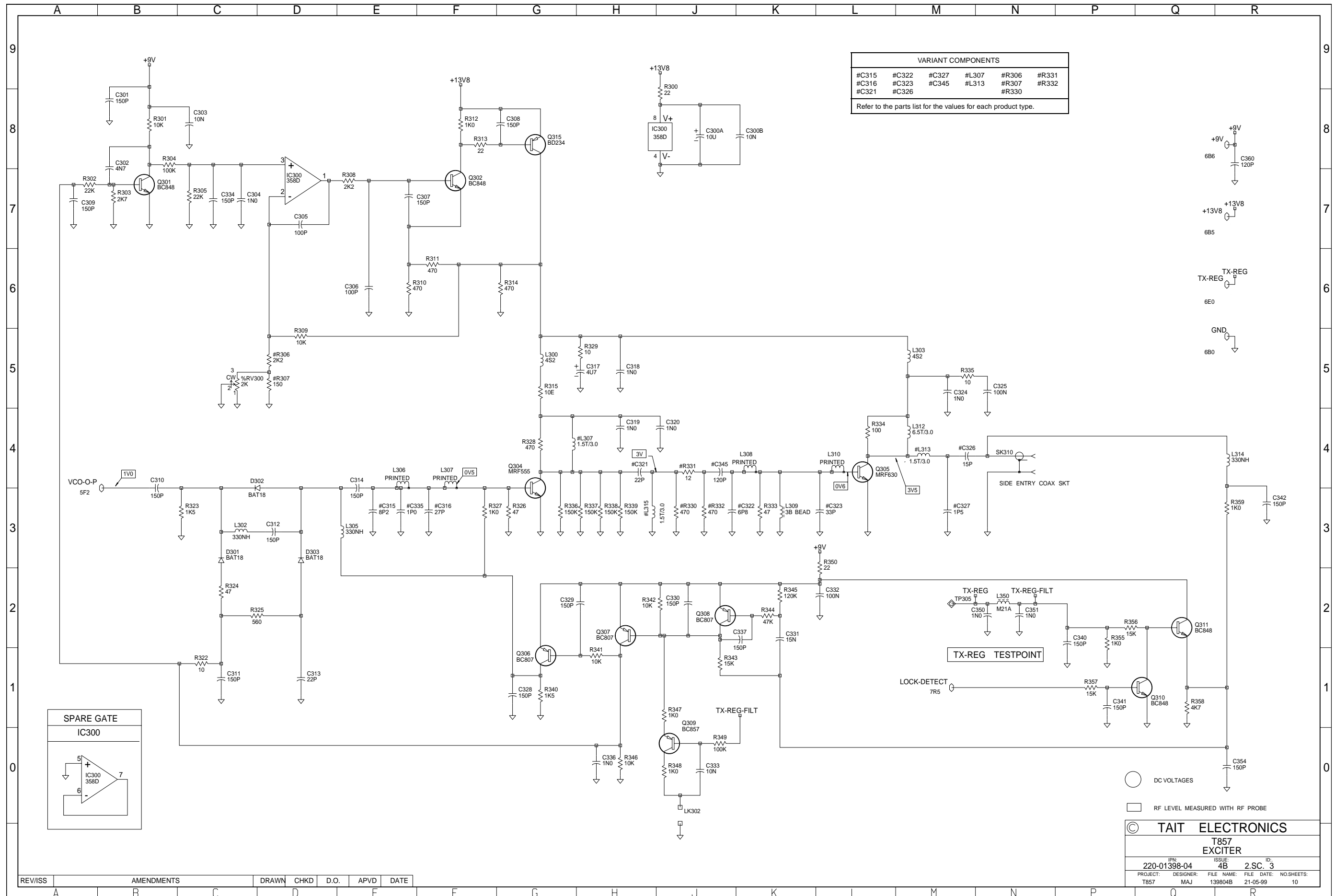
TAIT ELECTRONICS

T857 AUDIO PROCESSOR

IPN: 220-01398-04
ISSUE: 4E
2.S.C. 2

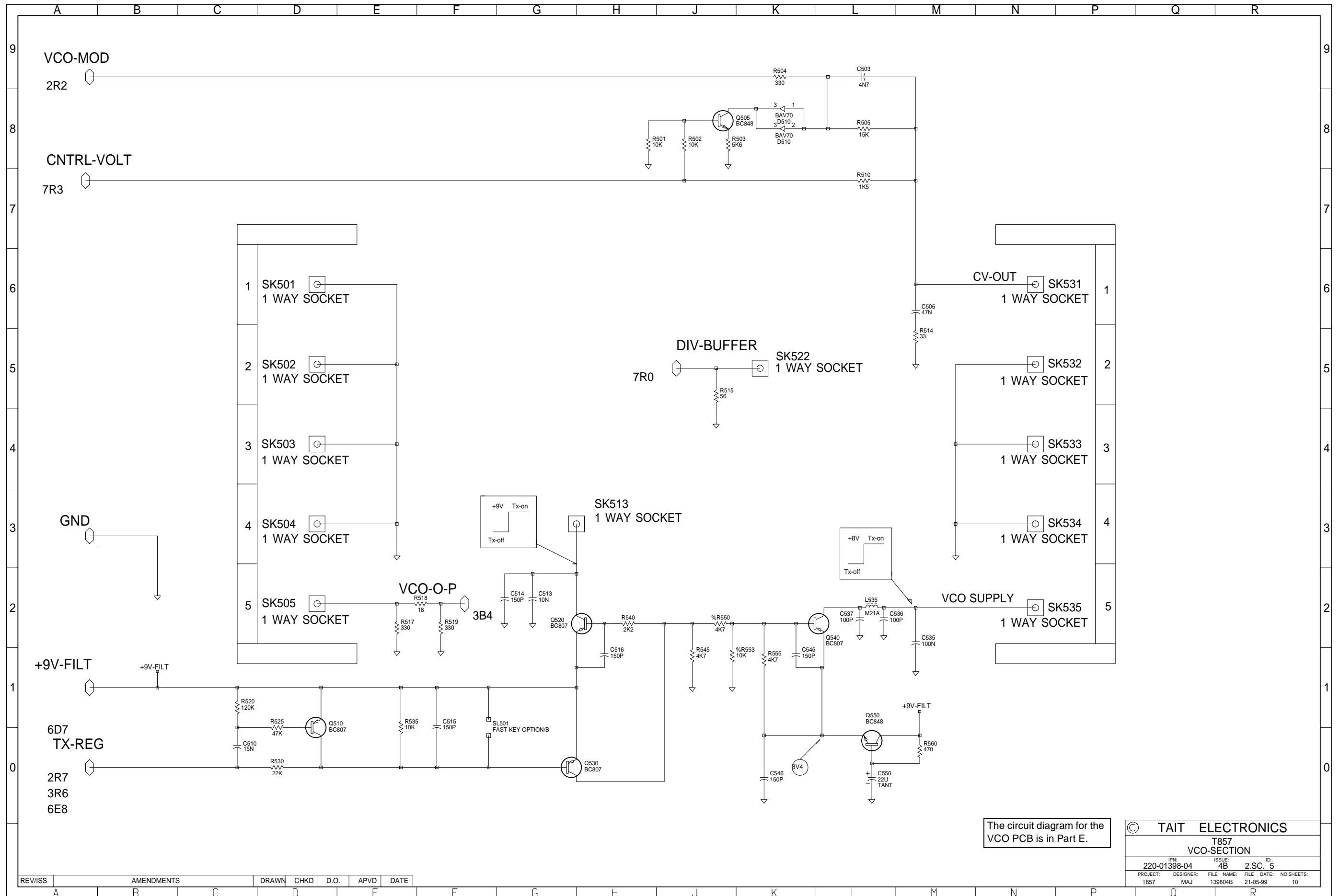
PROJECT: T857
DESIGNER: MAJ
FILE NAME: 139804B
FILE DATE: 21-05-99
NO SHEETS: 10

REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE



SK410 is the only component in this section
of the T857 circuitry and is shown on sheet 1.

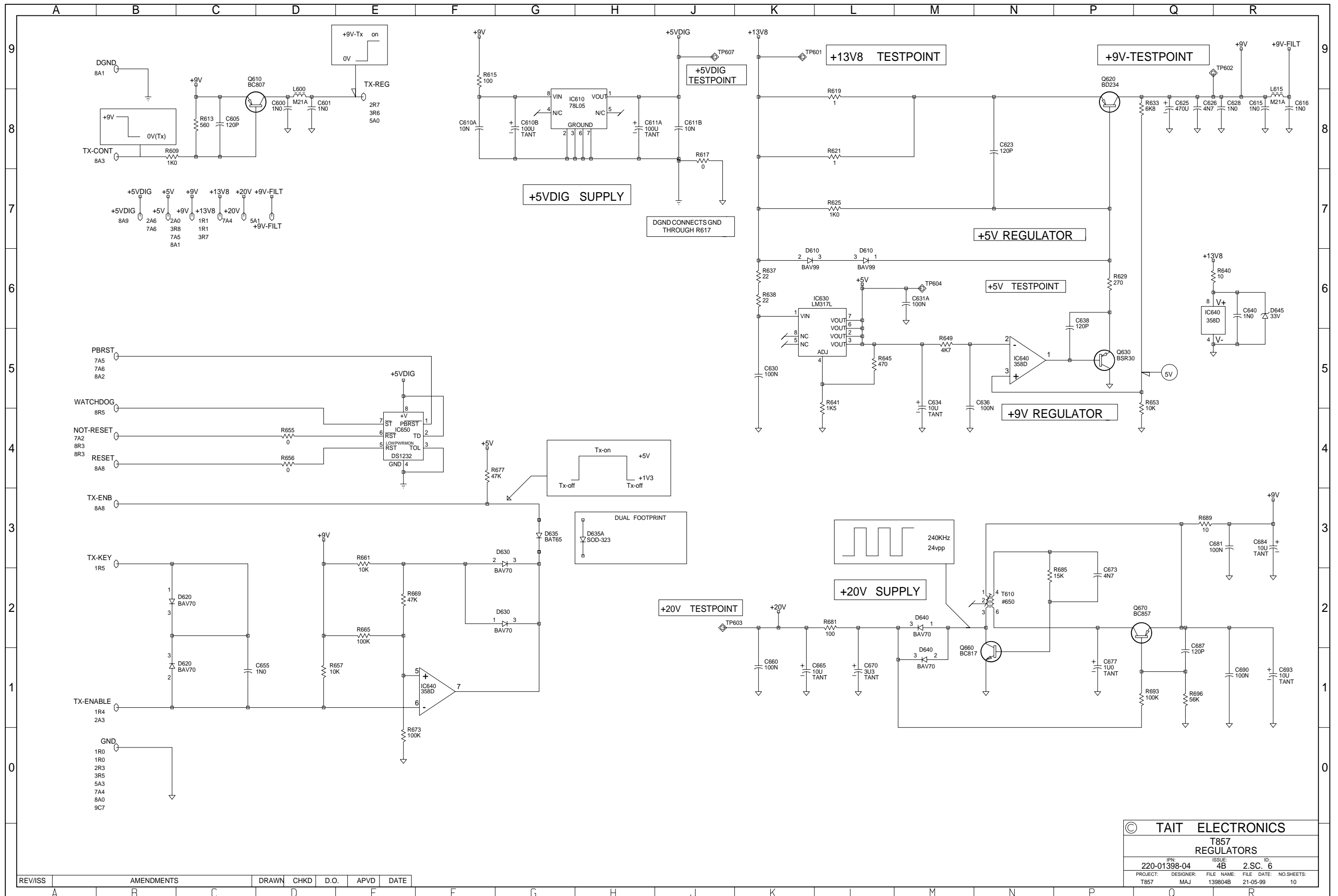
Sheet 4 - Not Used In The T857
220-01398-04

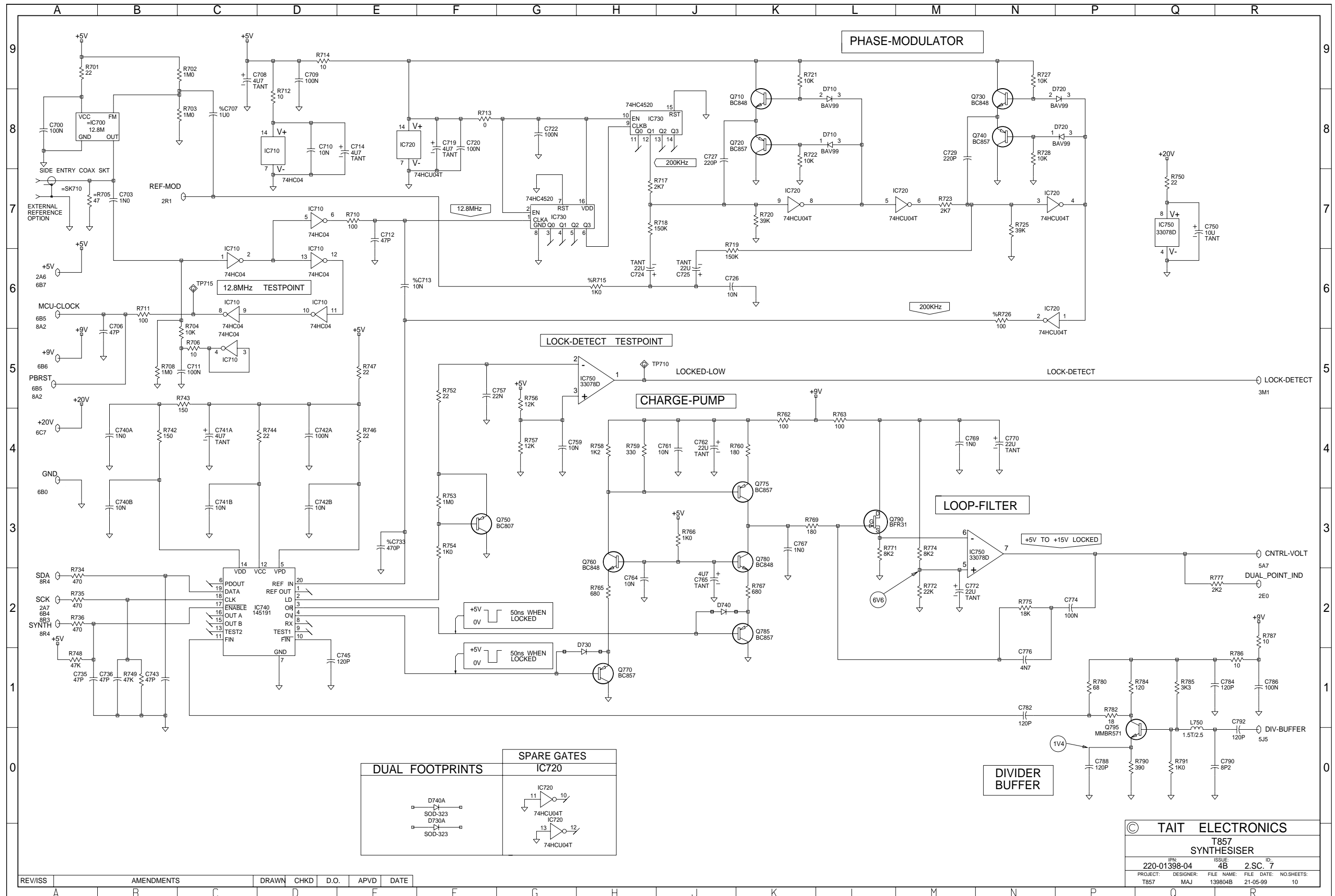


The circuit diagram for the VCO PCB is in Part E.

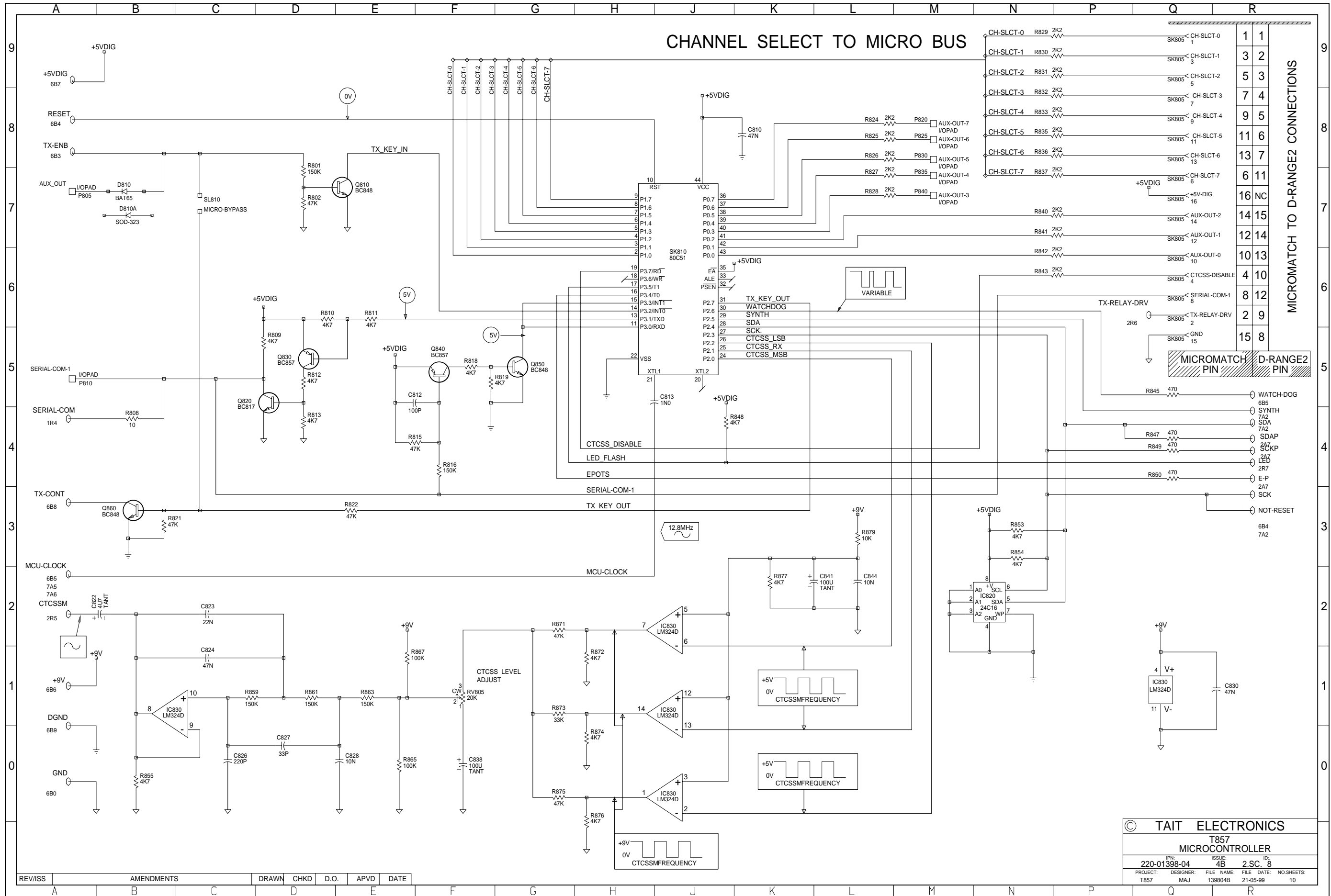
© TAIT ELECTRONICS	
T857	
VCO-SECTION	
IPN: 220-01398-04	ISSUE: 4B 2.SC. 5
PROJECT: T857	DESIGNER: MAJ
FILE NAME: 139804B	FILE DATE: 21-05-99
NO. SHEETS: 10	

REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE
A	B	C	D	E		





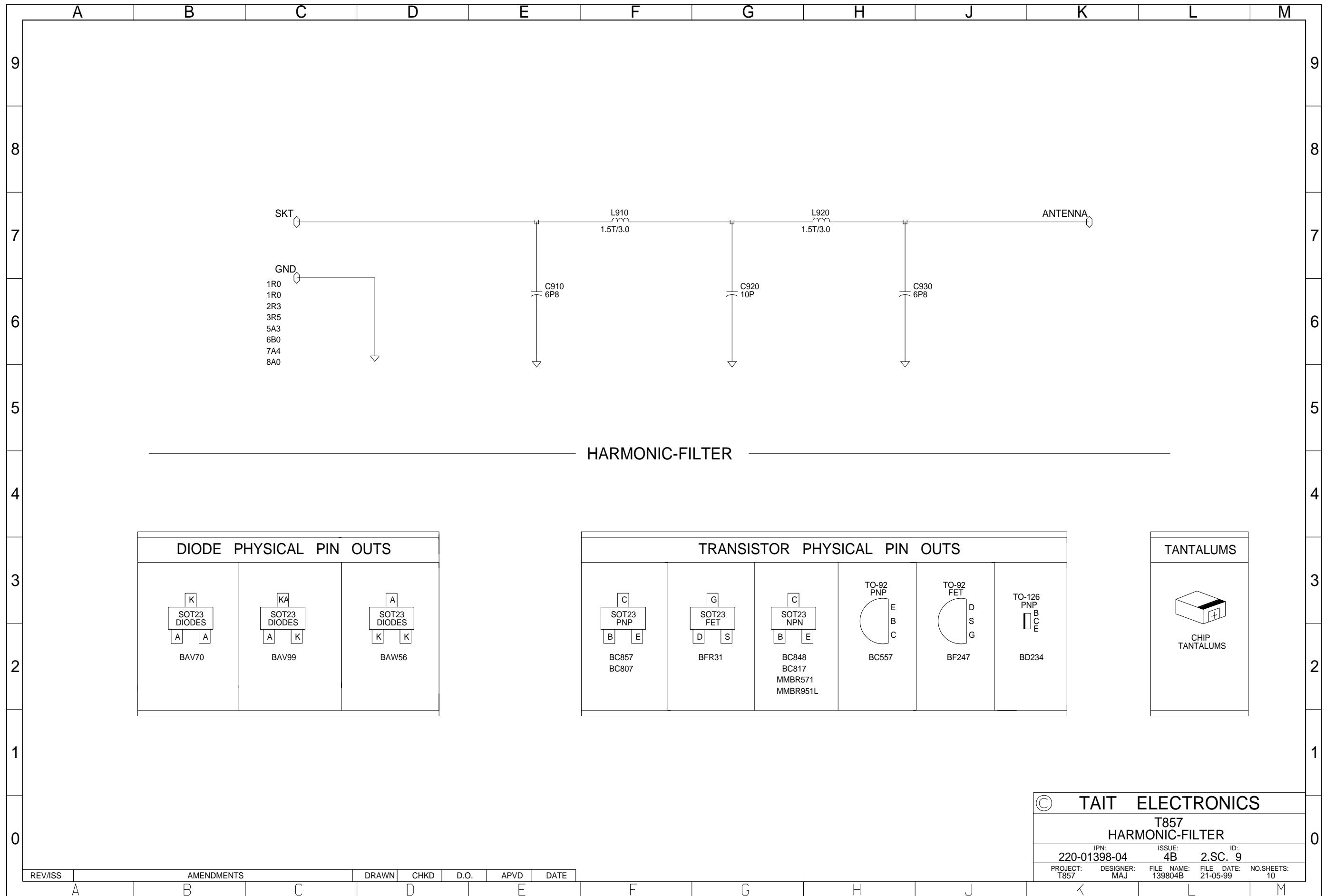
© TAIT ELECTRONICS
T857 SYNTHESISER
IPN: 220-01398-04 ISSUE: 4B 2.SC. 7
PROJECT: T857 DESIGNER: MAJ FILE NAME: 139804B FILE DATE: 21-05-99 NO.SHEETS: 10

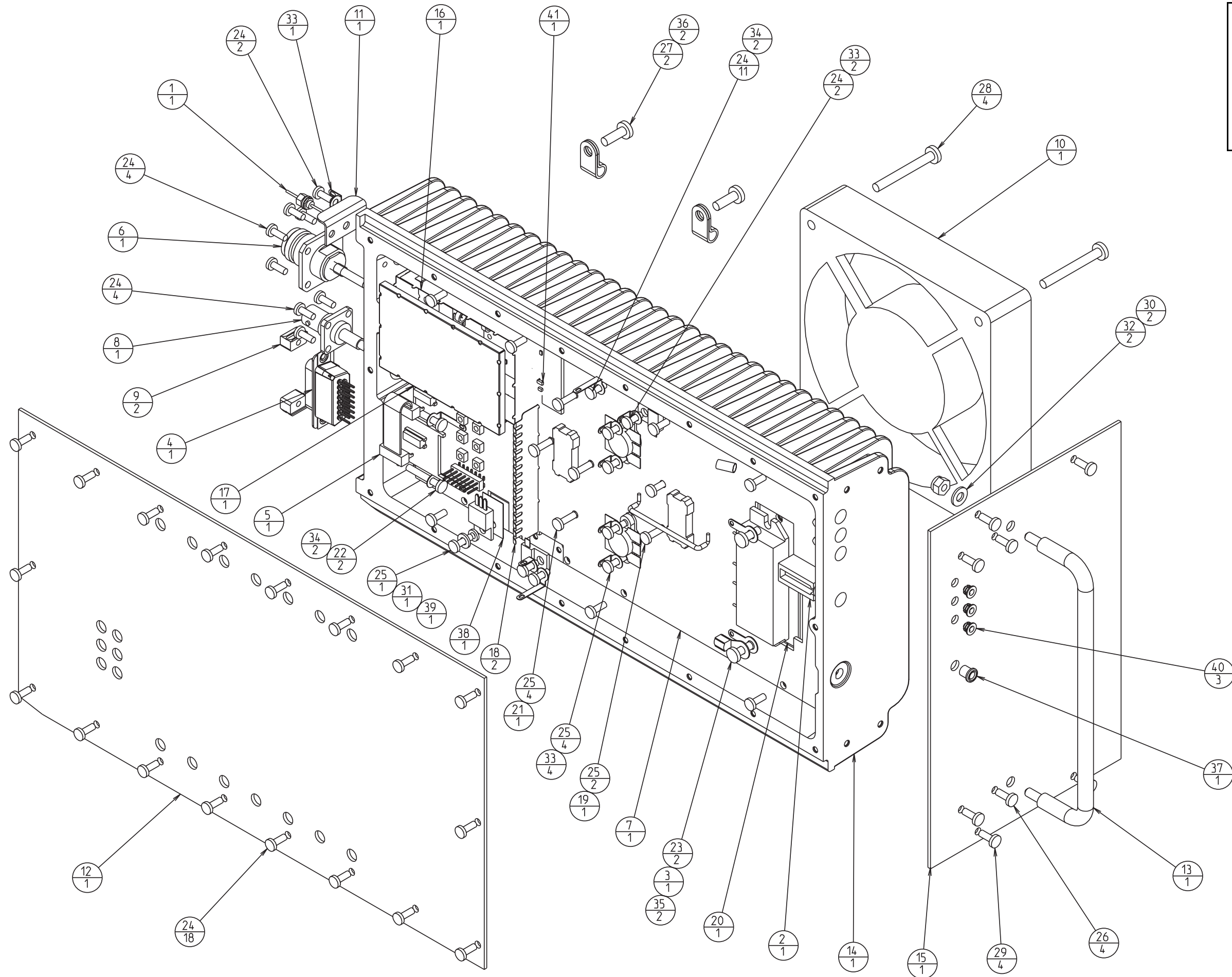


MICROMATCH TO D-RANGE2 CONNECTIONS

1	1
3	2
5	3
7	4
9	5
11	6
13	7
6	11
16	NC
14	15
12	14
10	13
4	10
8	12
2	9
15	8

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T857 MICROCONTROLLER
IPN: 220-01398-04, ISSUE: 4E, 2.S.C. 8
PROJECT: T857, DESIGNER: MAJ, FILE NAME: 139804B, FILE DATE: 21-05-99, NO SHEETS: 10



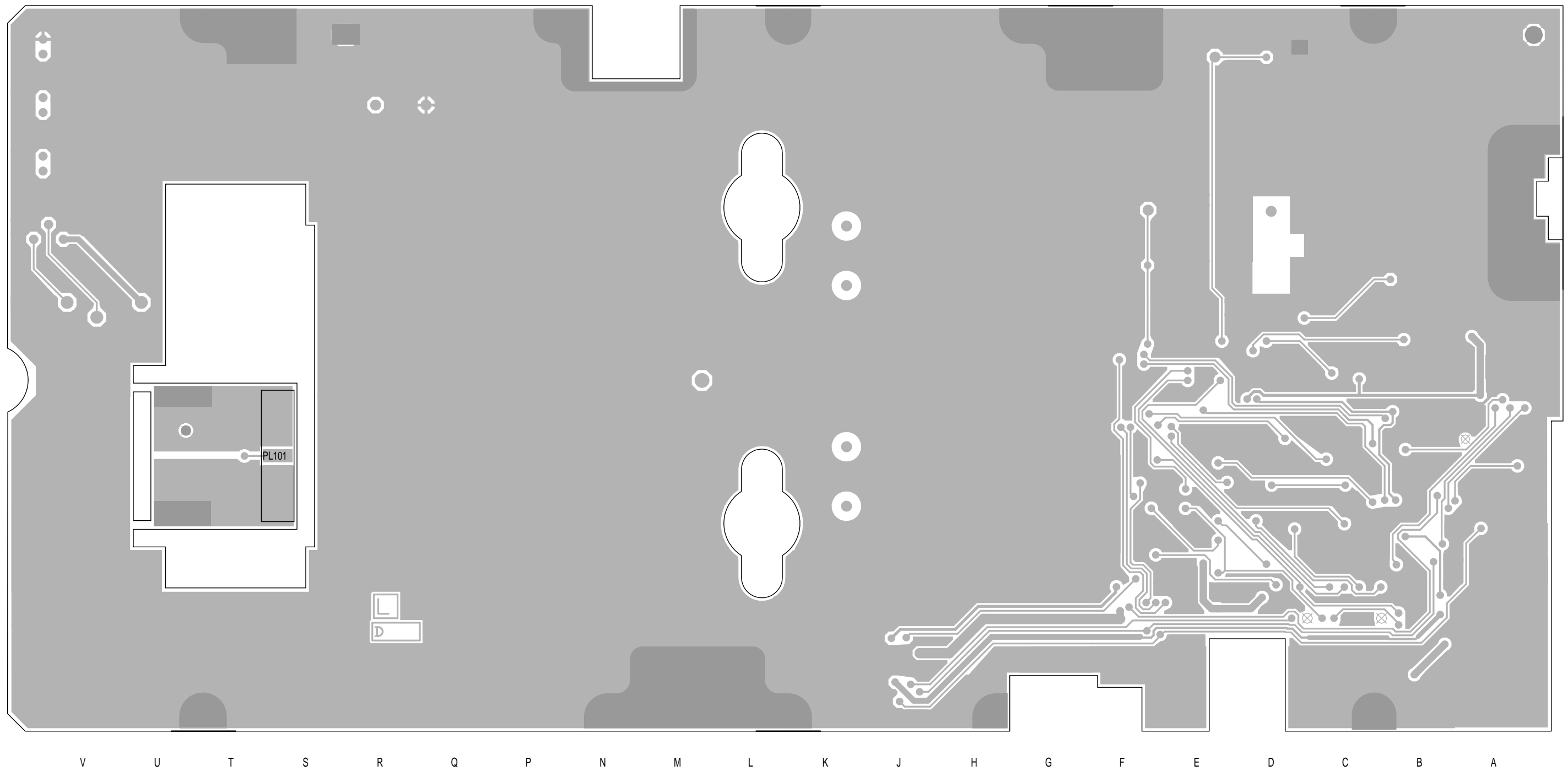


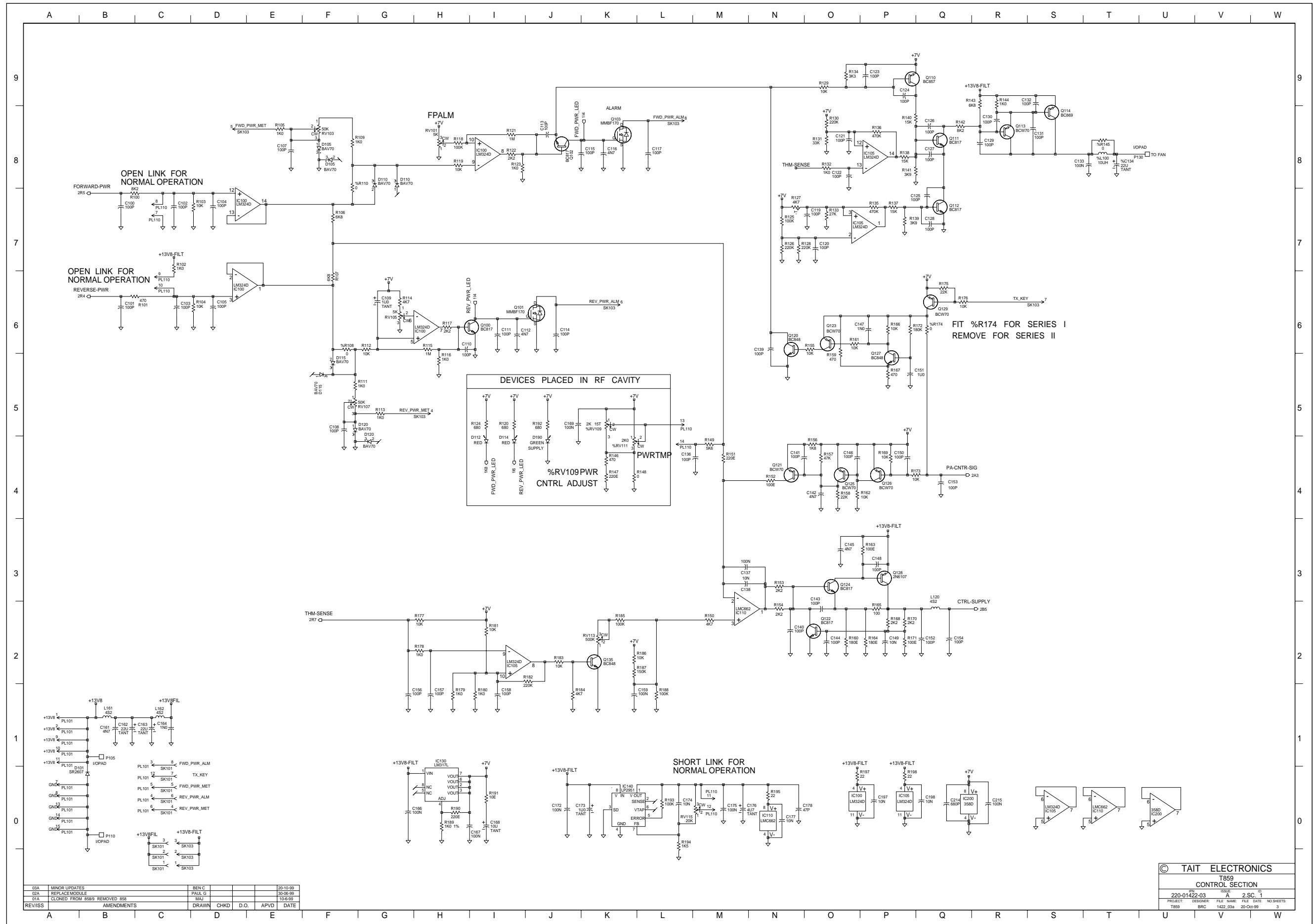
Key

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33
2

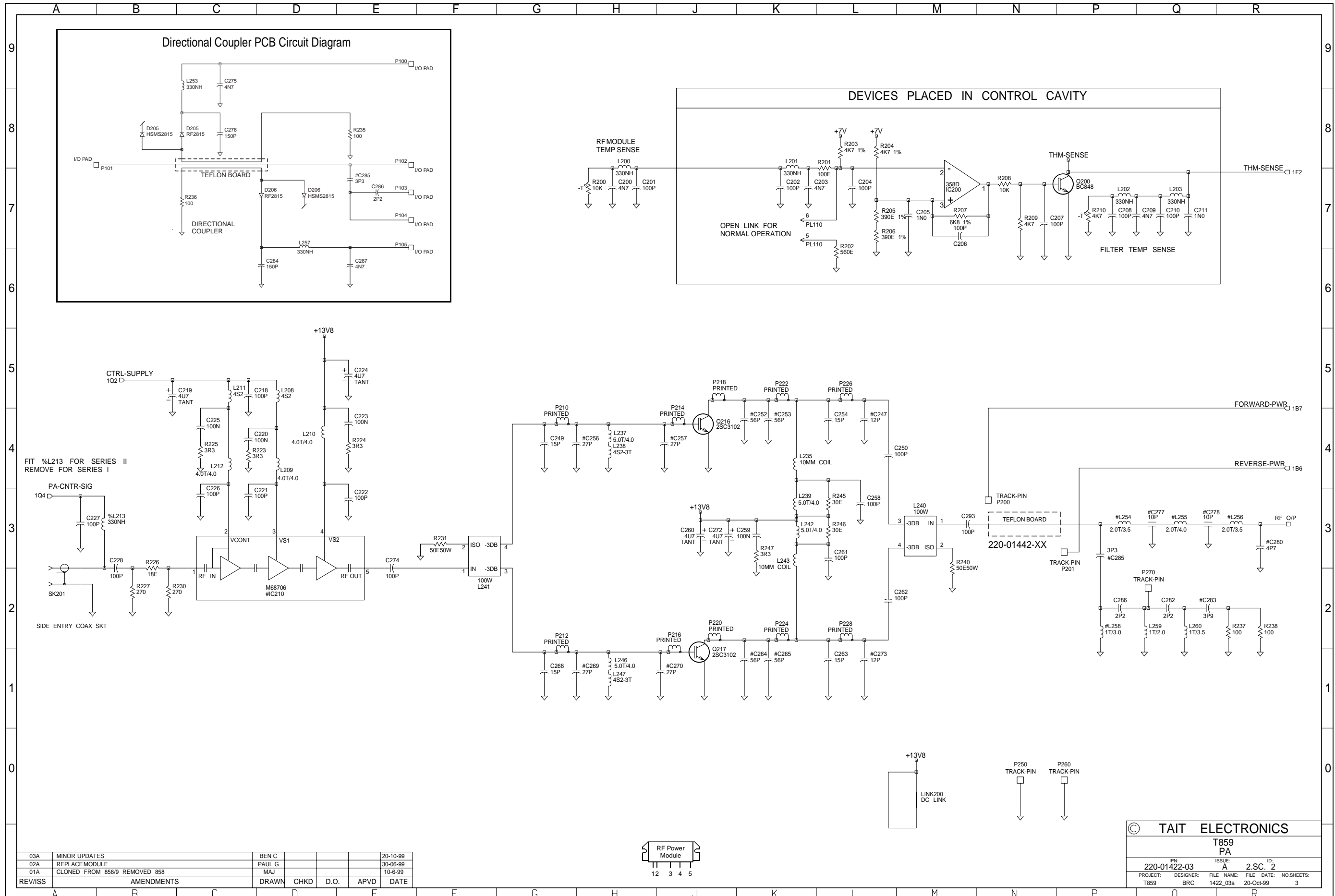
The lower number indicates how many of this component are used in this location or function.





00A	MINOR UPDATES	BEN C		20-10-99
00A	REPLACES MODULE	PAUL G		20-06-99
01A	CLONED FROM 8589 REMOVED 858	MAJ		10-6-99
REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.
		APVD		DATE

© TAIT ELECTRONICS			
T859 CONTROL SECTION			
220-01422-03	A	2	SC 1
PROJECT	DESIGNER	FILE NAME	FILE DATE
T859	BRC	1422_03a	20-Oct-99
		NO SHEETS	3



03A	MINOR UPDATES	BEN C		20-10-99
02A	REPLACE MODULE	PAUL G		30-06-99
01A	CLONED FROM 858/9 REMOVED 858	MAJ		10-6-99
REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.
		APVD		DATE

© TAIT ELECTRONICS				
T859 PA				
IPN	ISSUE:	A	2.SC.	2
PROJECT:	DESIGNER:	FILE NAME:	FILE DATE:	NO SHEETS:
T859	BRC	1422_03a	20-Oct-99	3