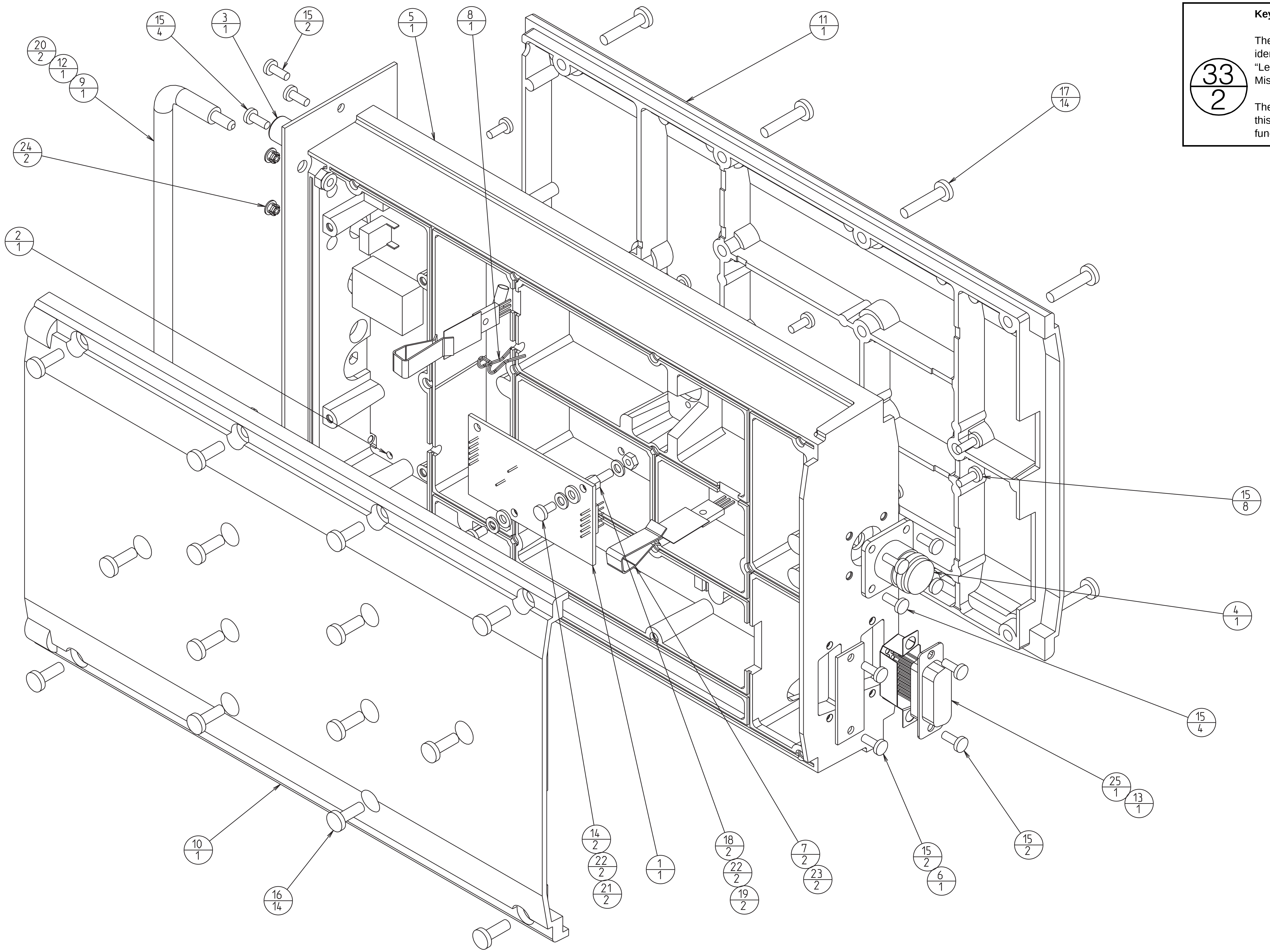
Key

33
2

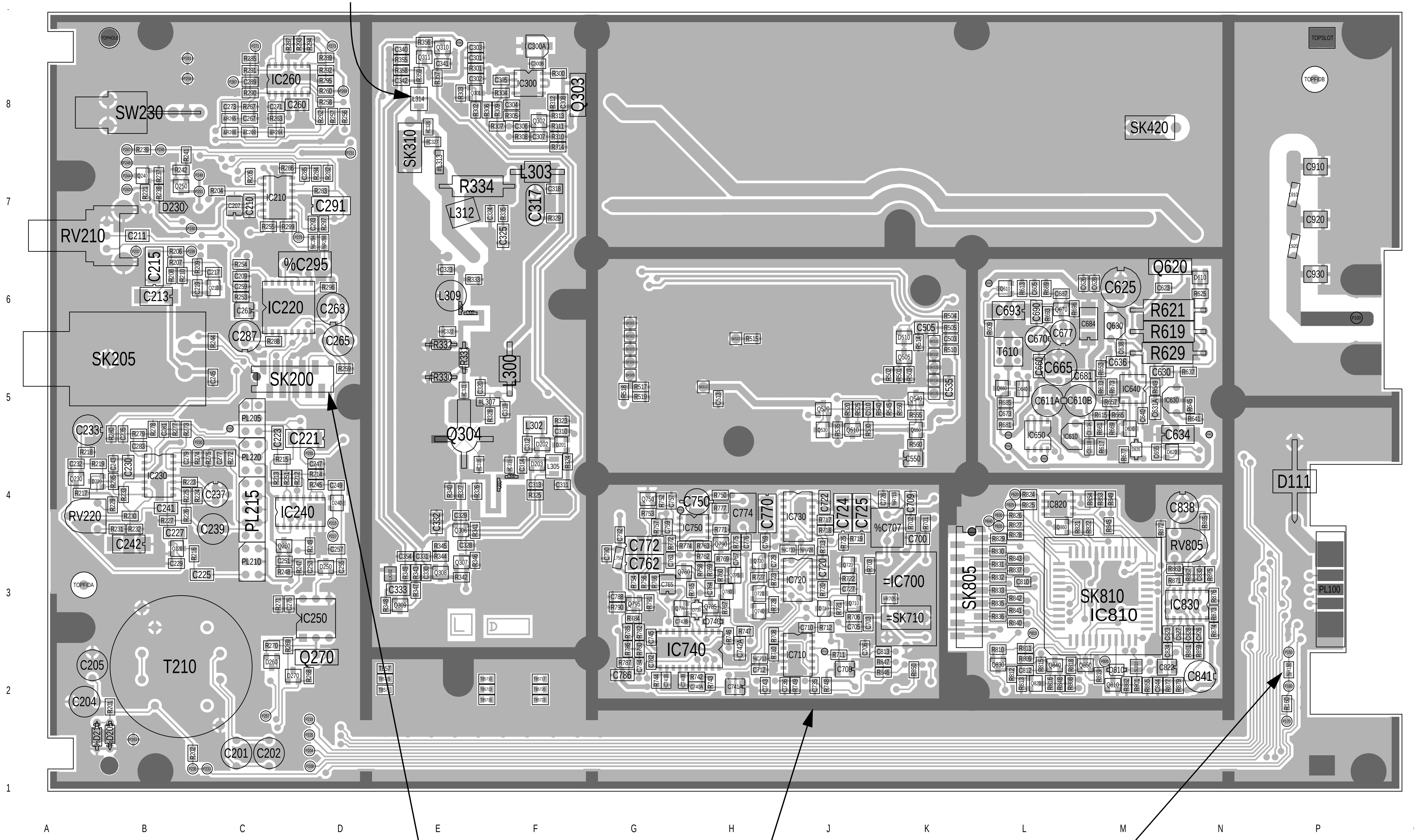
The upper number is the component identification number which appears in the “Legend” column of the Mechanical & Miscellaneous Parts on the facing page.

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



T857 Mechanical Assembly
220-01398-02

L314 is fitted only when cyclic keying is required.

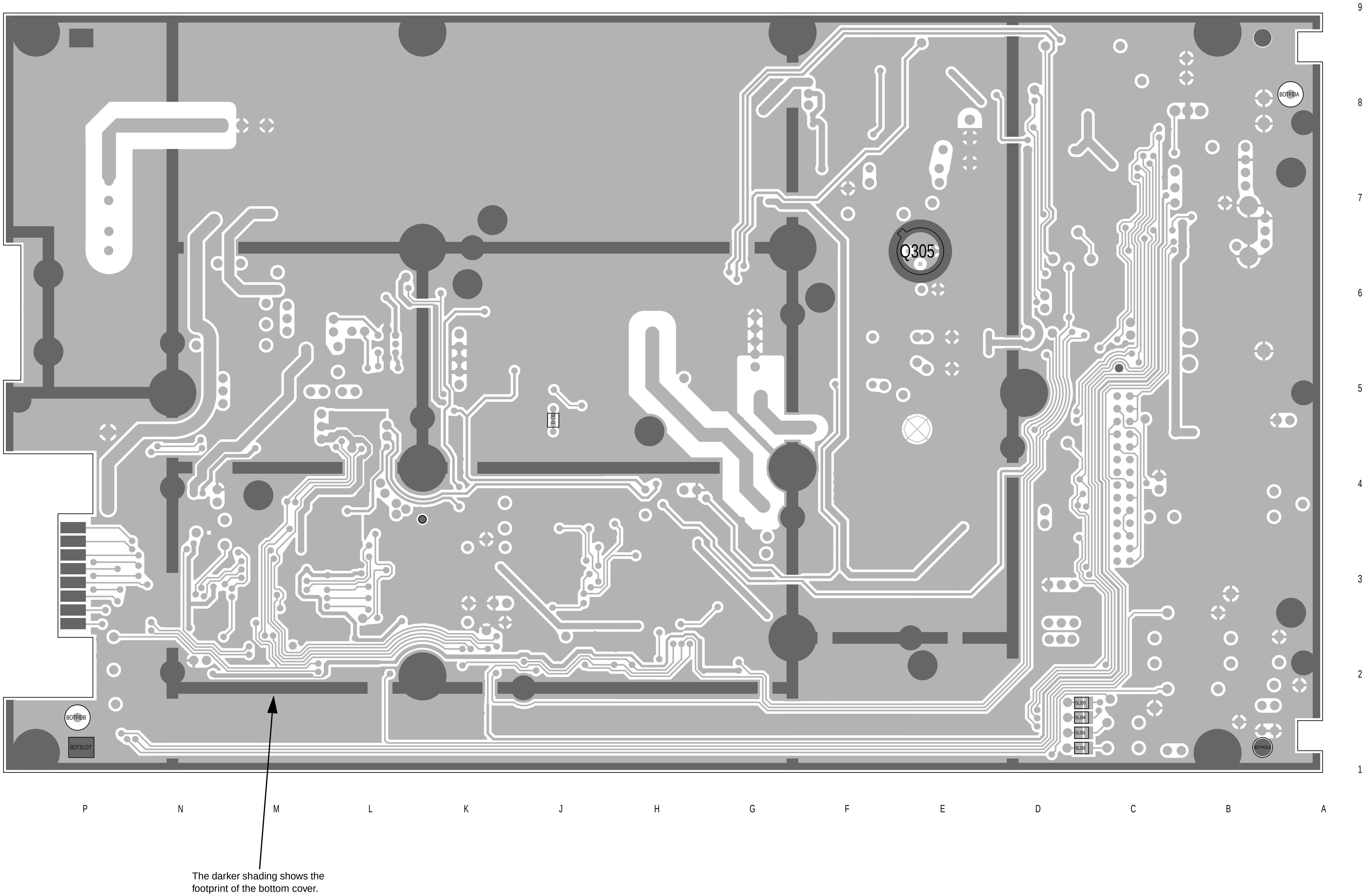


SK200 is currently not fitted as standard. It will be fitted for future options.

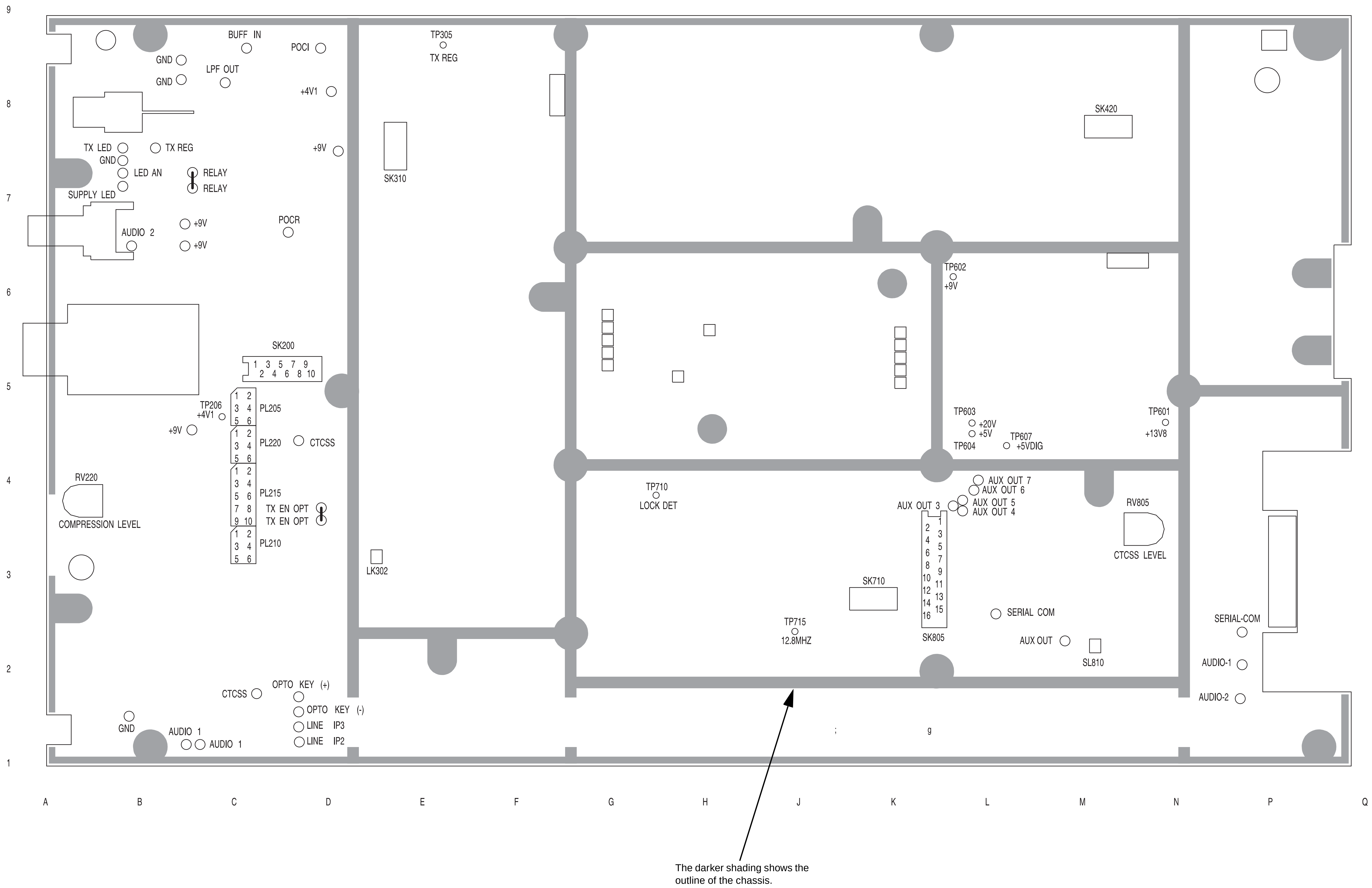
The darker shading shows the outline of the chassis.

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

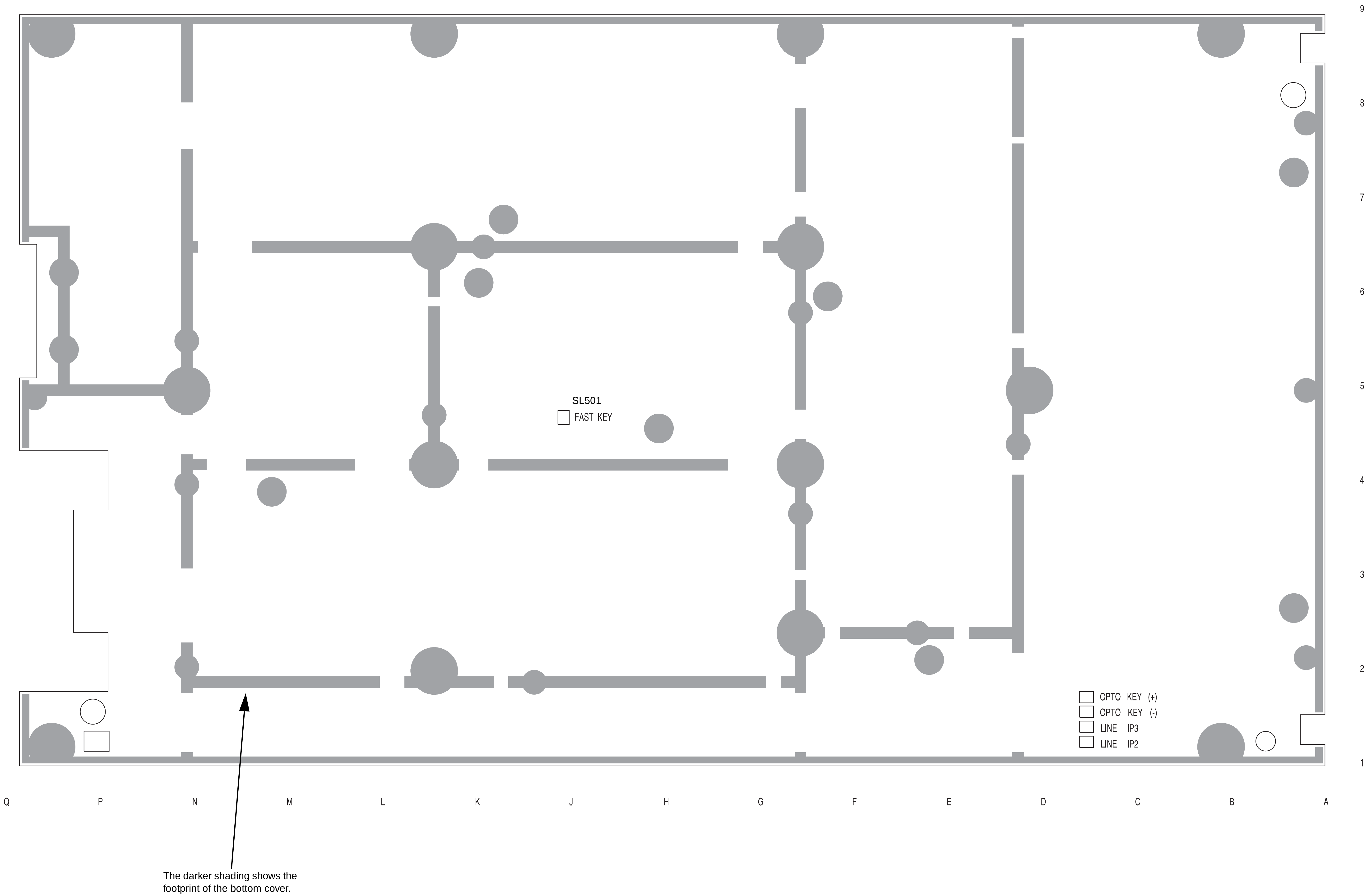
T857 PCB Layout - Top Side
220-01398-02



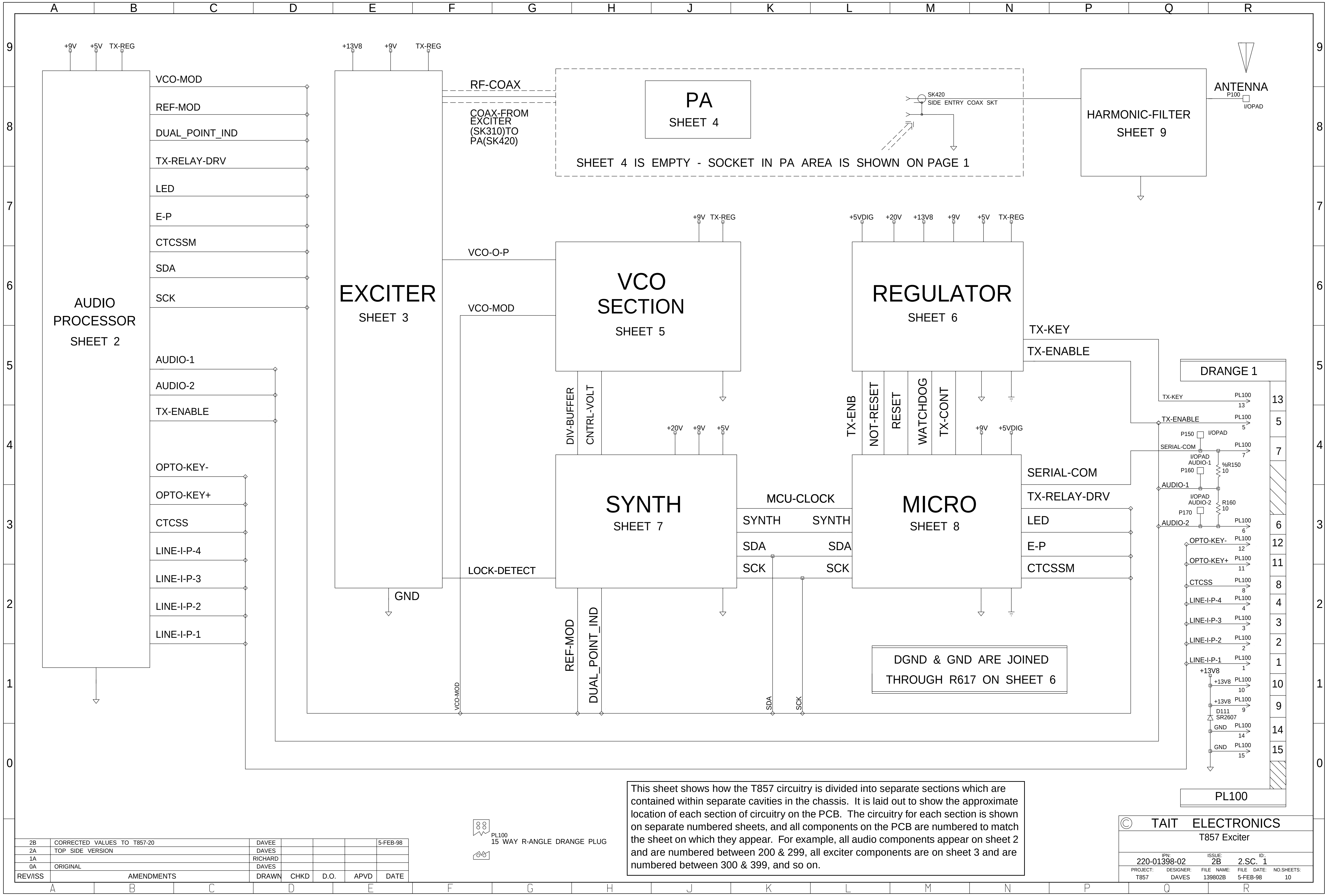
T857 PCB Layout - Bottom Side
220-01398-02



T857 Test Points & Options Connections - Top Side
220-01398-02

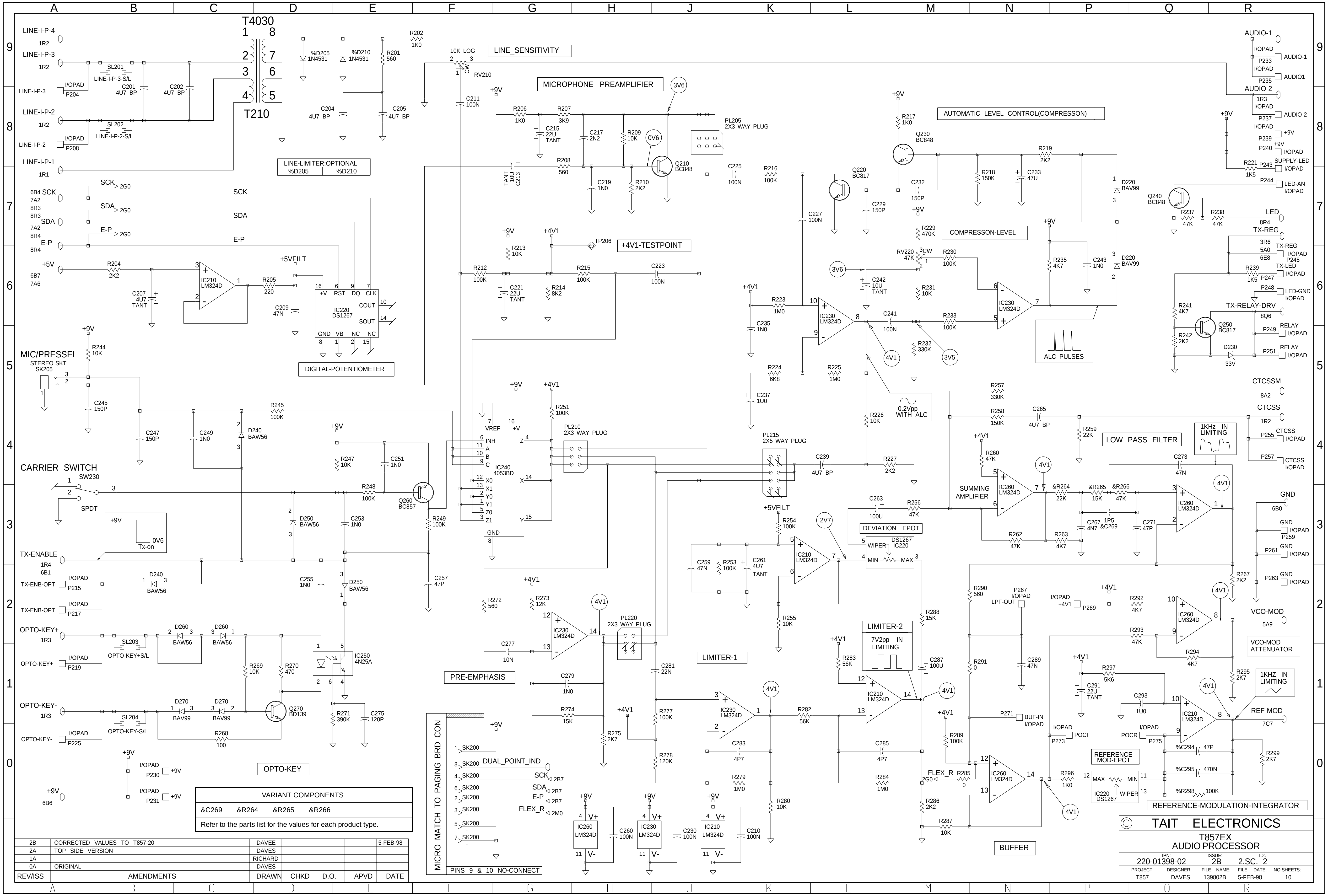


T857 Test Points & Options Connections - Bottom Side
220-01398-02

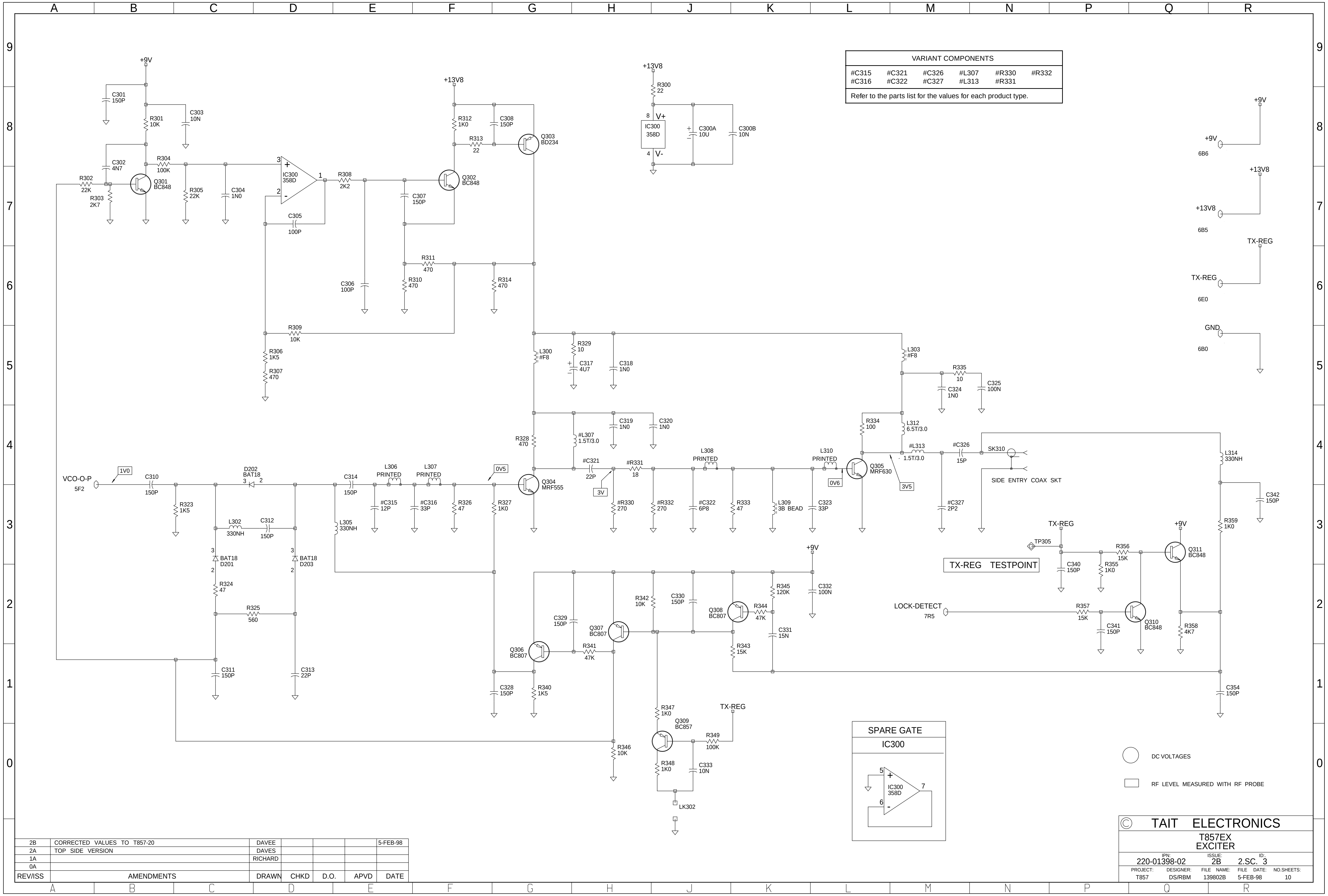


This sheet shows how the T857 circuitry is divided into separate sections which are contained within separate cavities in the chassis. It is laid out to show the approximate location of each section of circuitry on the PCB. The circuitry for each section is shown on separate numbered sheets, and all 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.

Sheet 1 - T857 Exciter Overview
220-01398-02



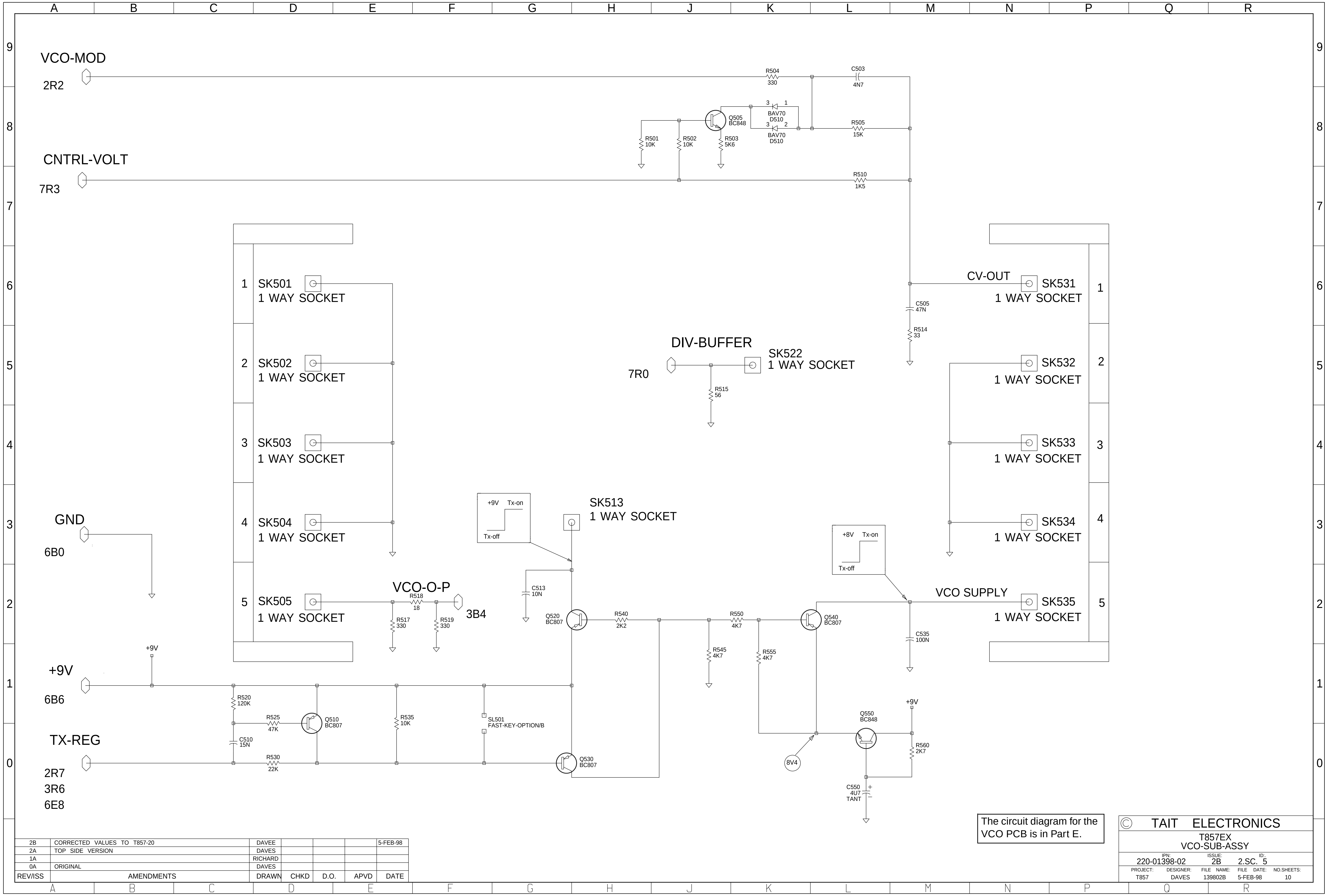
Sheet 2 - T857 Audio Processor
220-01398-02



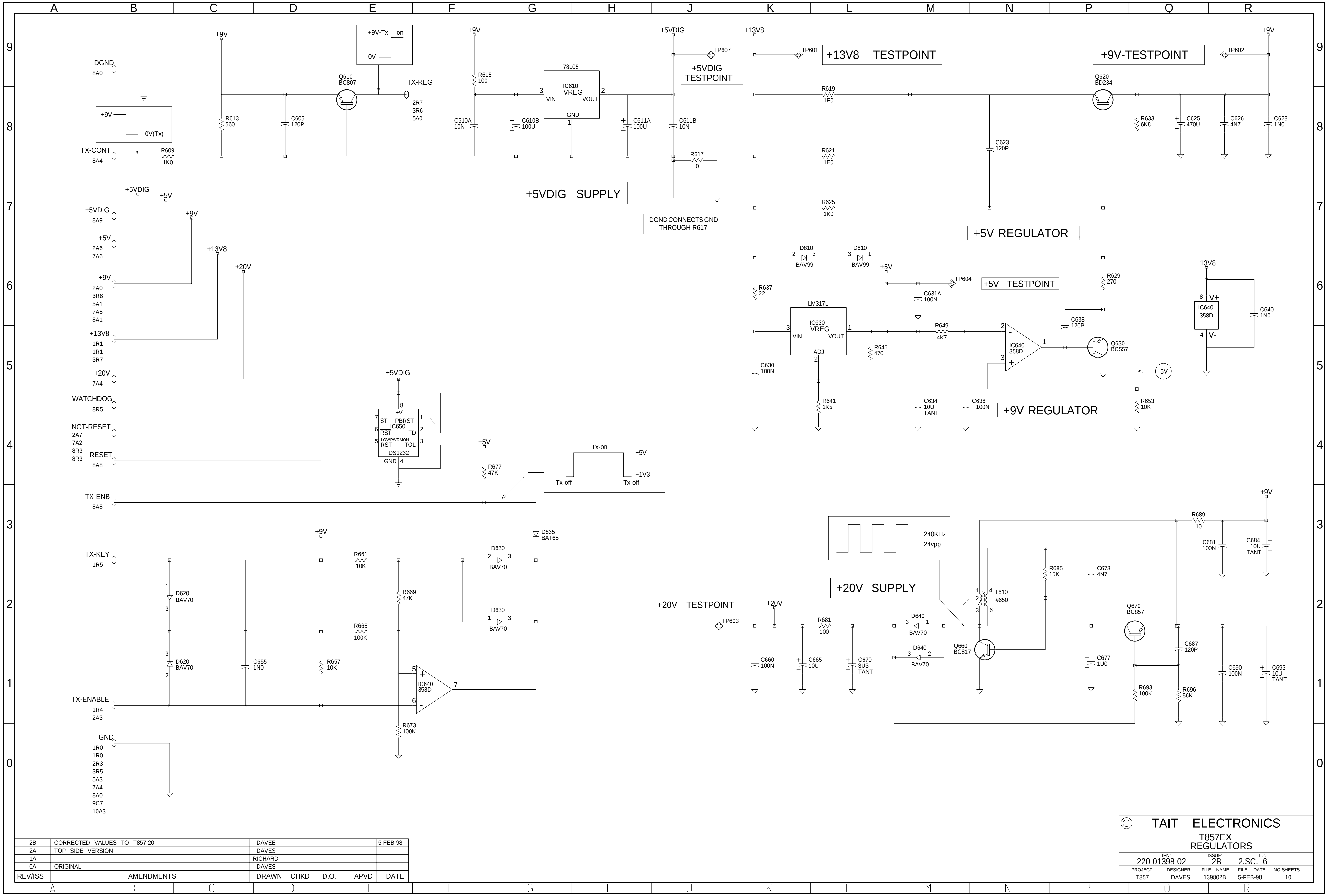
Sheet 3 - T857 Exciter
220-01398-02

SK420 is the only component in this section
of the T857 circuitry and is shown on sheet 1.

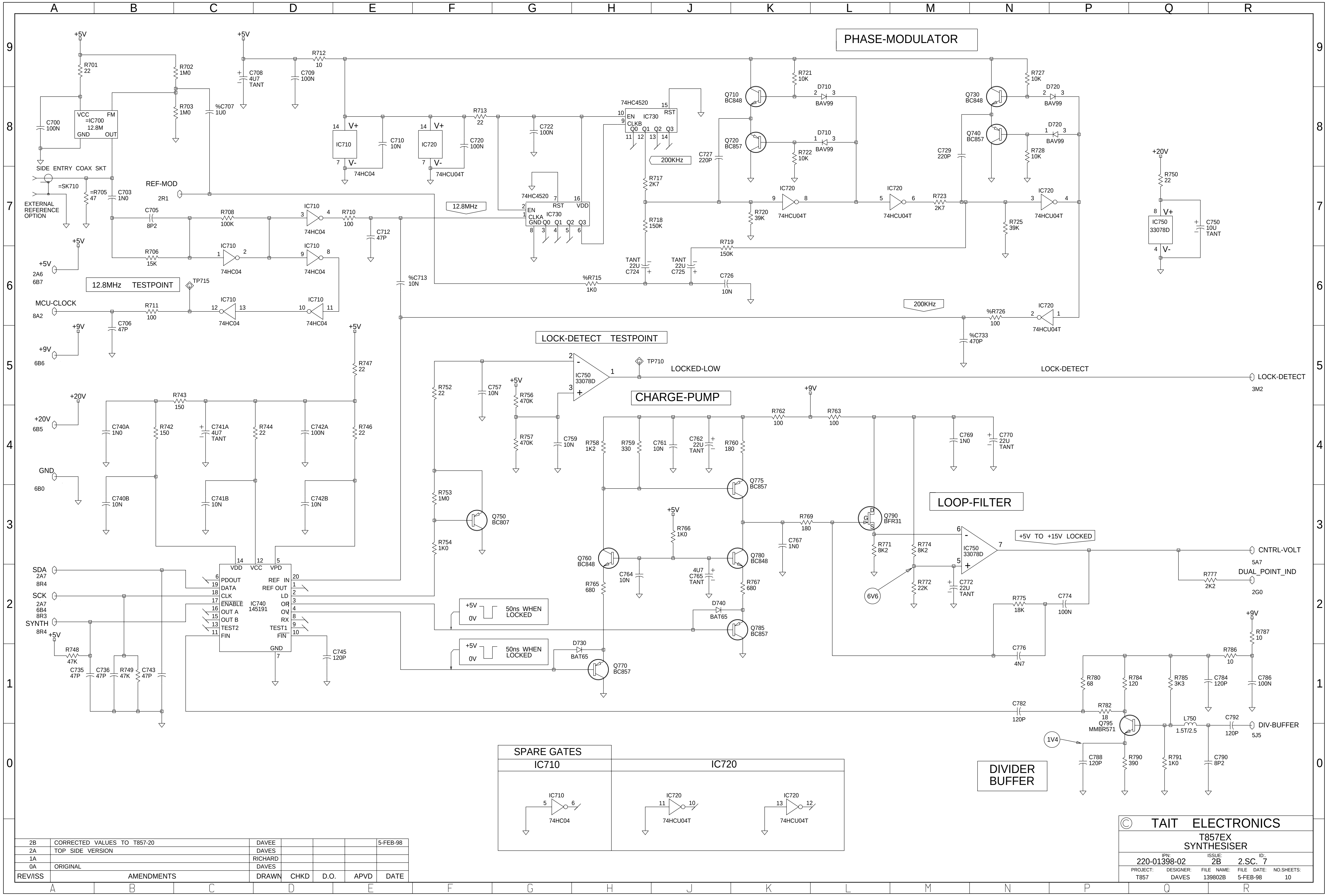
Sheet 4 - Not Used In The T857
220-01398-02



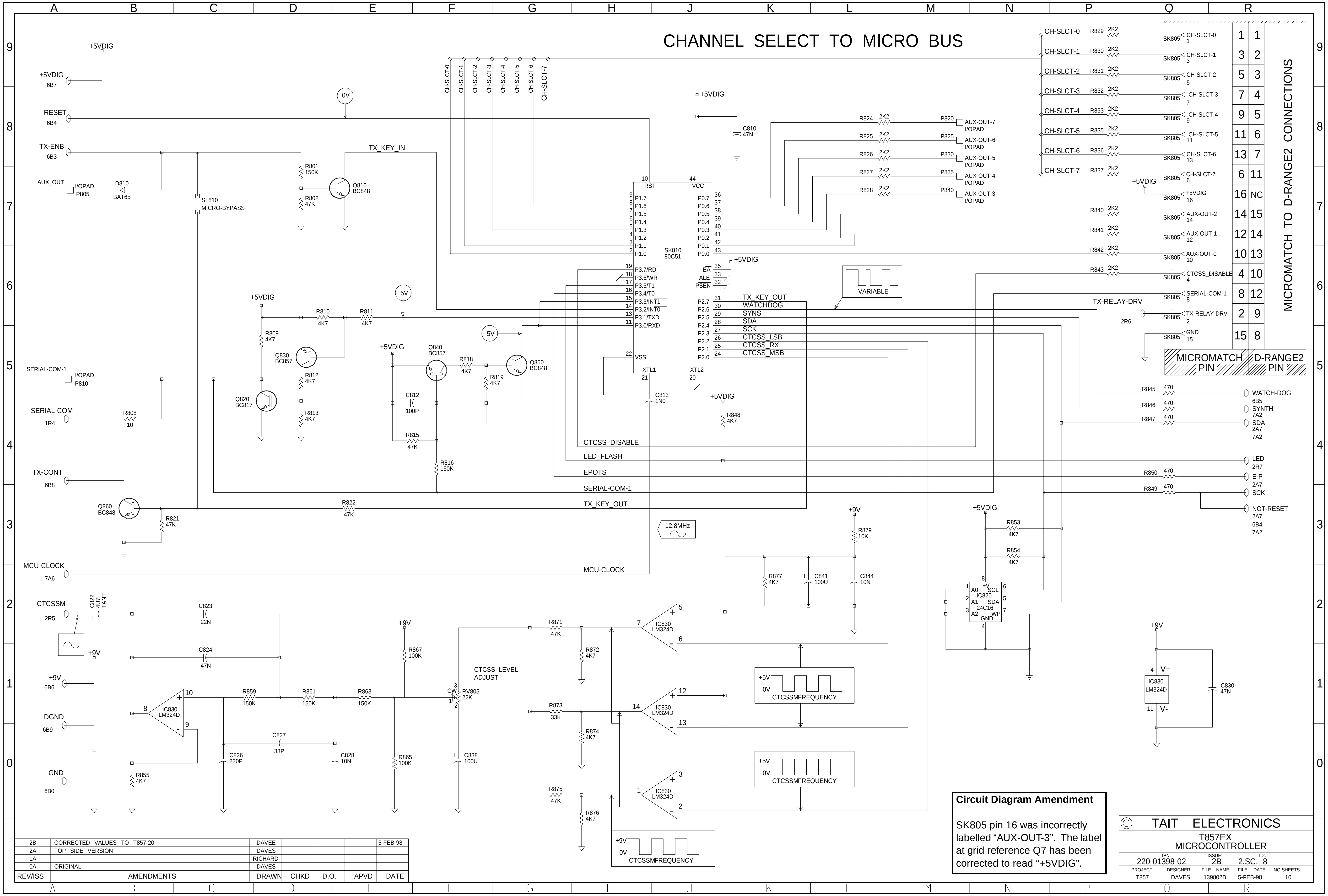
Sheet 5 - T857 VCO Section
220-01398-02



Sheet 6 - T857 Regulators
220-01398-02



Sheet 7 - T857 Synthesiser
220-01398-02



REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE
2B	CORRECTED VALUES TO T857-20	DAVEE				5-FEB-98
2A	TOP SIDE VERSION	DAVES				
1A		RICHARD				
0A	ORIGINAL	DAVES				

Circuit Diagram Amendment

SK805 pin 16 was incorrectly labelled “AUX-OUT-3”. The label at grid reference Q7 has been corrected to read “+5VDIG”.

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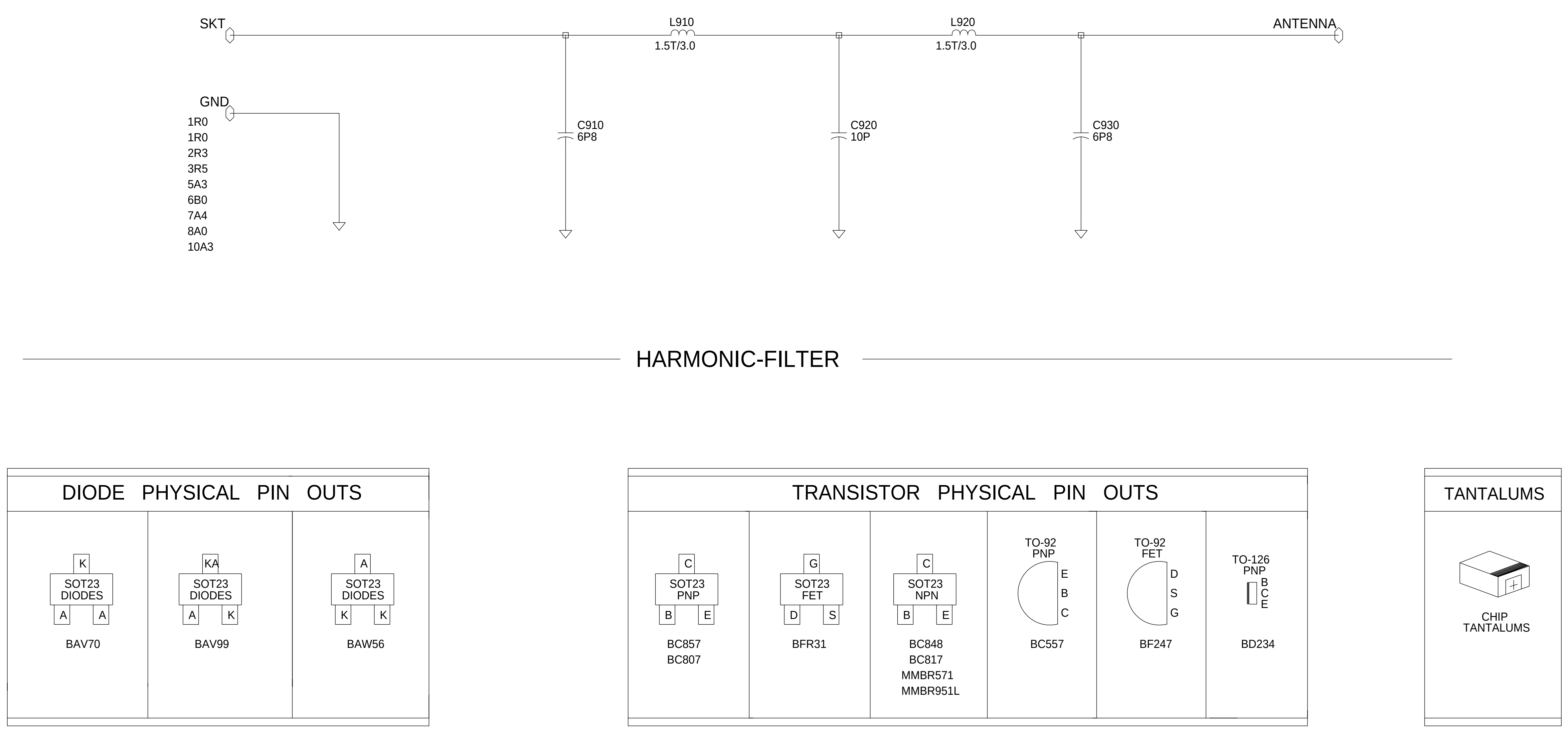
T857EX
MICROCONTROLLER

IPN:	ISSUE:	ID:
220-01398-02	2B	2.SC. 8

PROJECT:	DESIGNER:	FILE NAME:	FILE DATE:	NO.SHEETS:
T857	DAVES	139802B	5-FEB-98	10

Sheet 8 - T857 Microcontroller
220-01398-02



REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE
2B	CORRECTED VALUES TO T857-20	DAVEE				5-FEB-98
2A	TOP SIDE VERSION	DAVES				
1A		RICHARD				
0A	ORIGINAL	DAVES				

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T857EX
HARMONIC-FILTER

IPN:	ISSUE:	ID:
220-01398-02	2B	2.SC. 9

PROJECT:	DESIGNER:	FILE NAME:	FILE DATE:	NO.SHEETS:
T857	DS/RBM	139802B	5-FEB-98	10

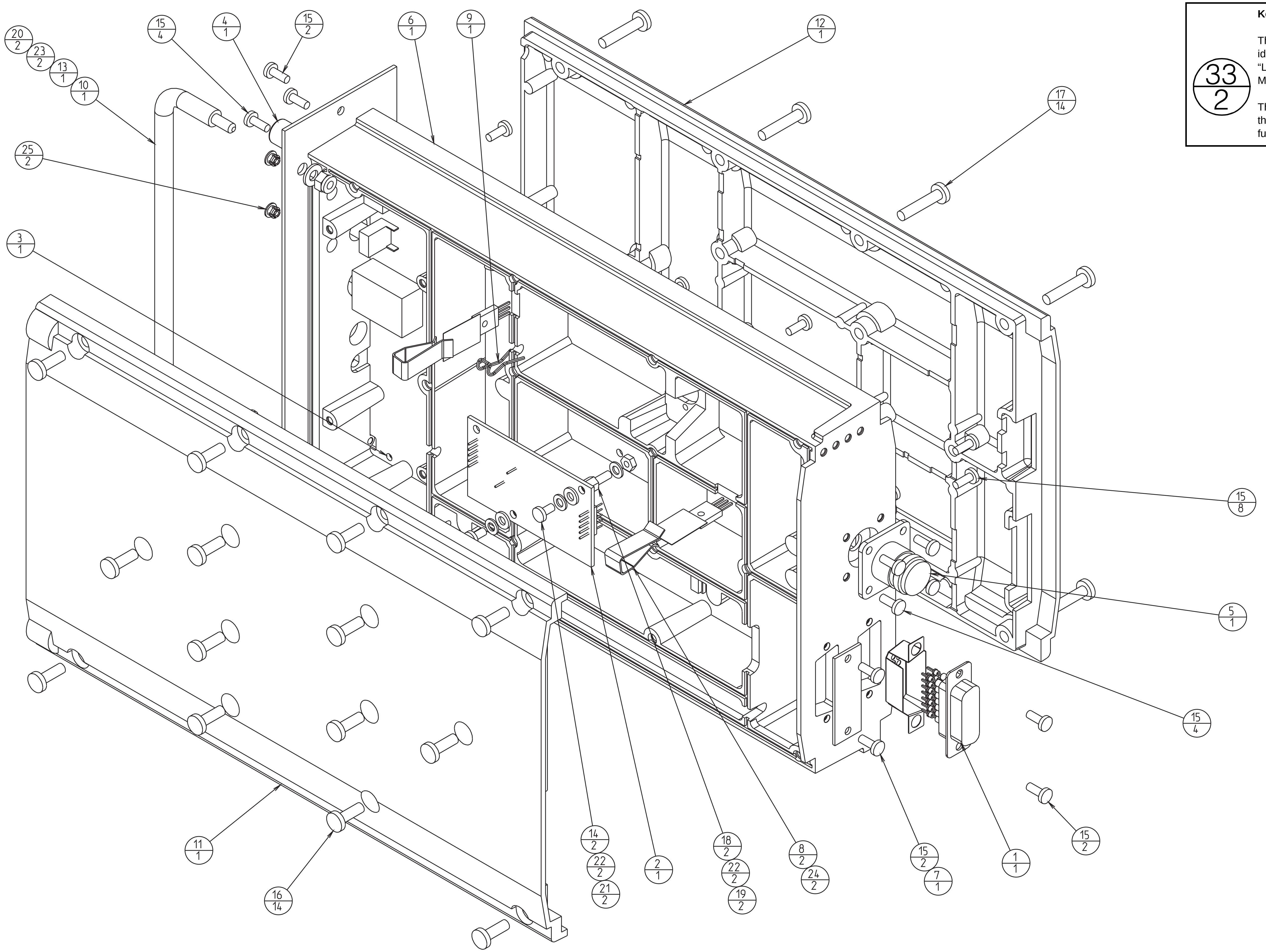
Sheet 9 - T857 Harmonic Filter
220-01398-02

Key

33/2

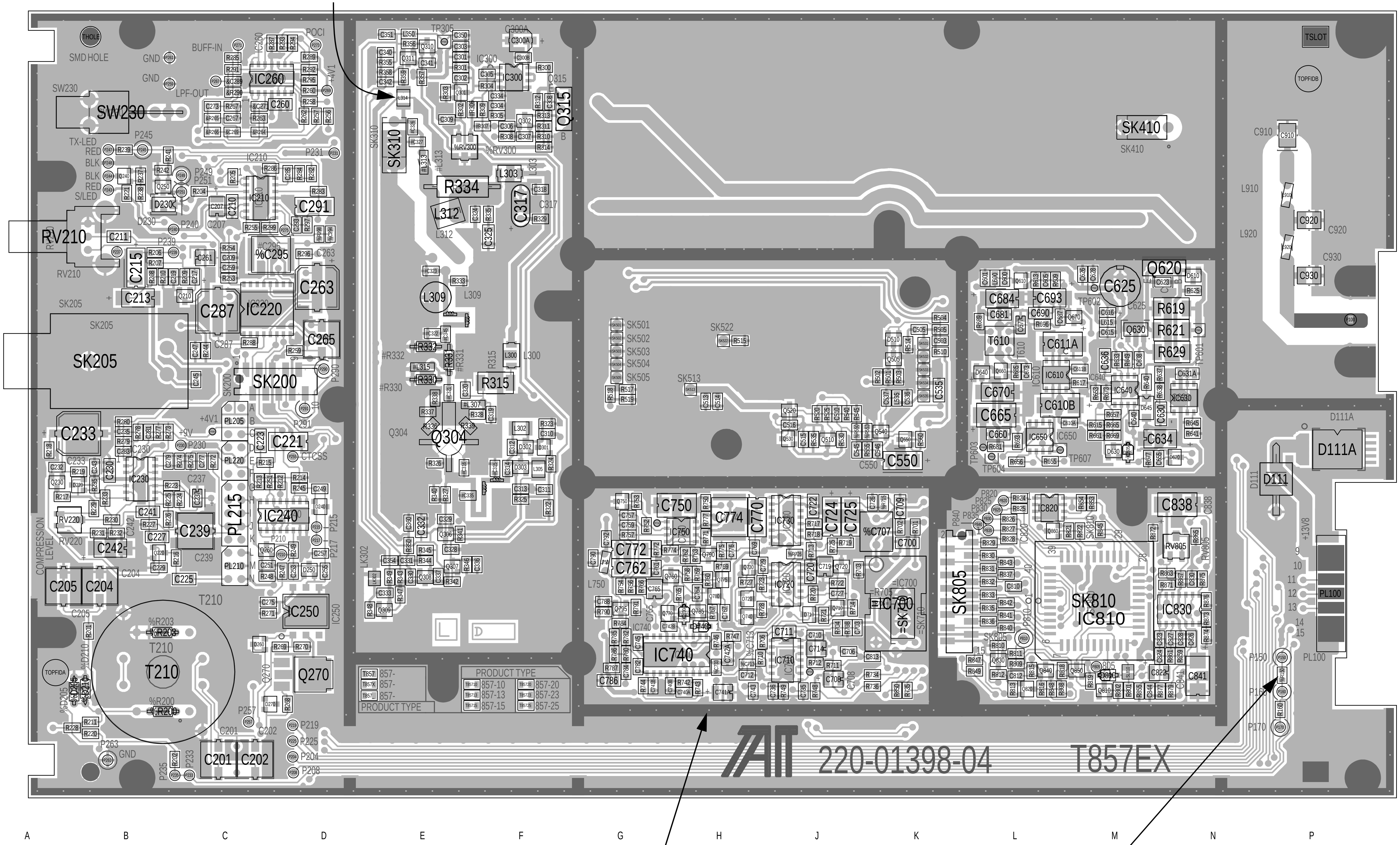
The upper number is the component identification number which appears in the "Legend" column of the Mechanical & Miscellaneous Parts on the facing page.

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



T857 Mechanical Assembly
220-01398-04

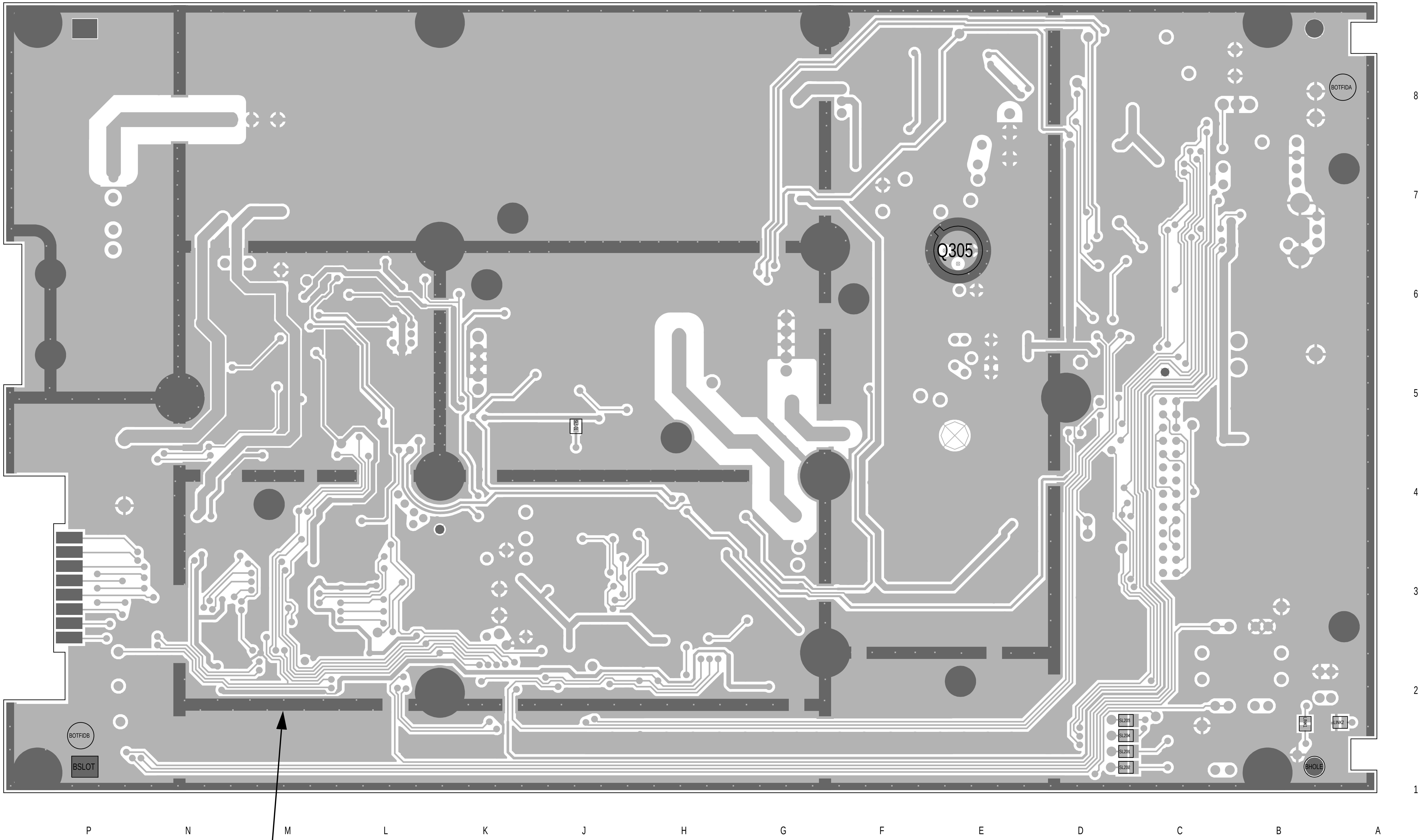
L314 is fitted only when
cyclic keying is required.



The darker shading shows the
outline of the chassis.

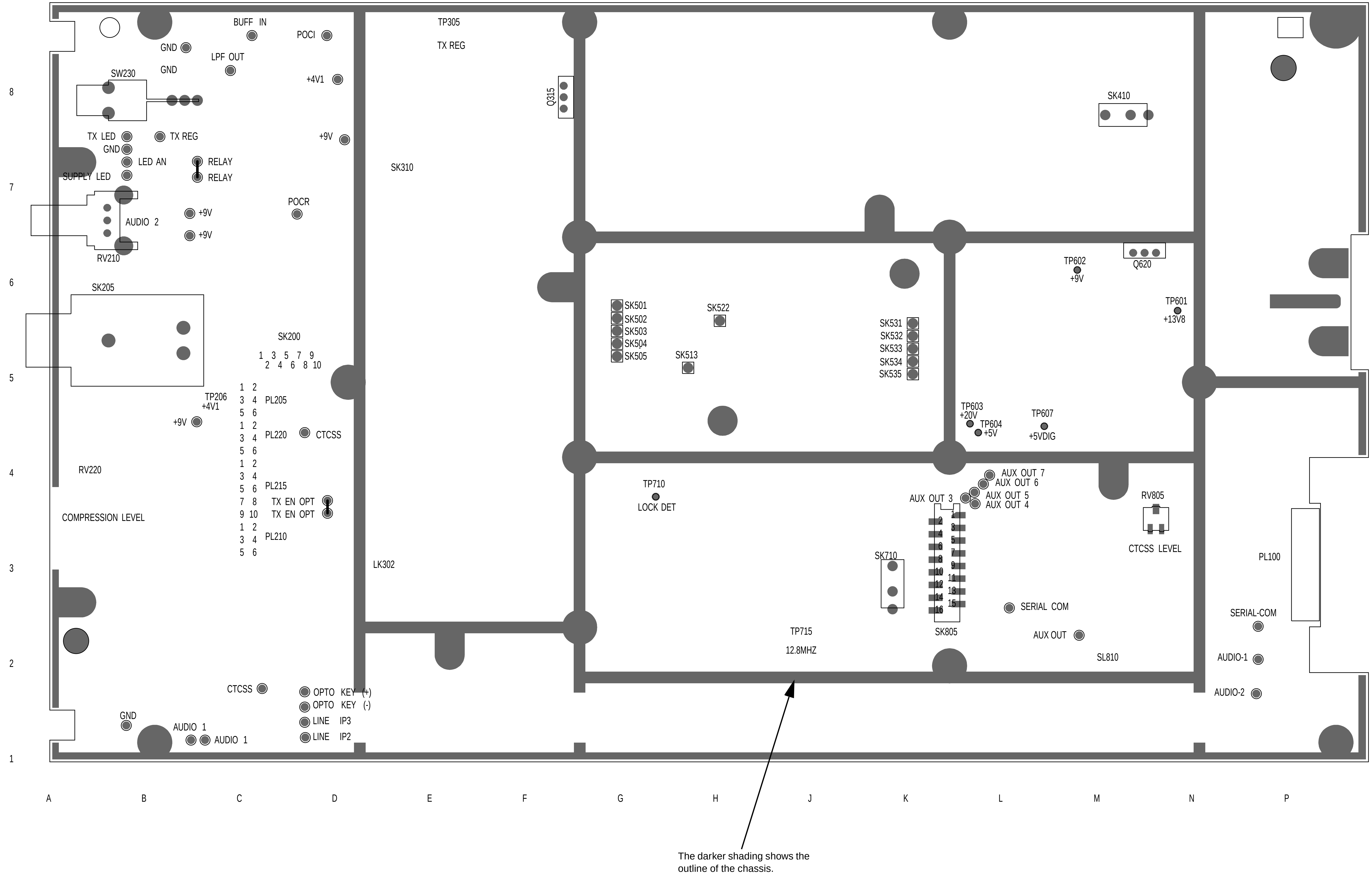
%R150 (10Ω) is fitted only when the
T857 is used in a Series I rack frame
(refer to Part I for full details).

T857 PCB Layout - Top Side
220-01398-04

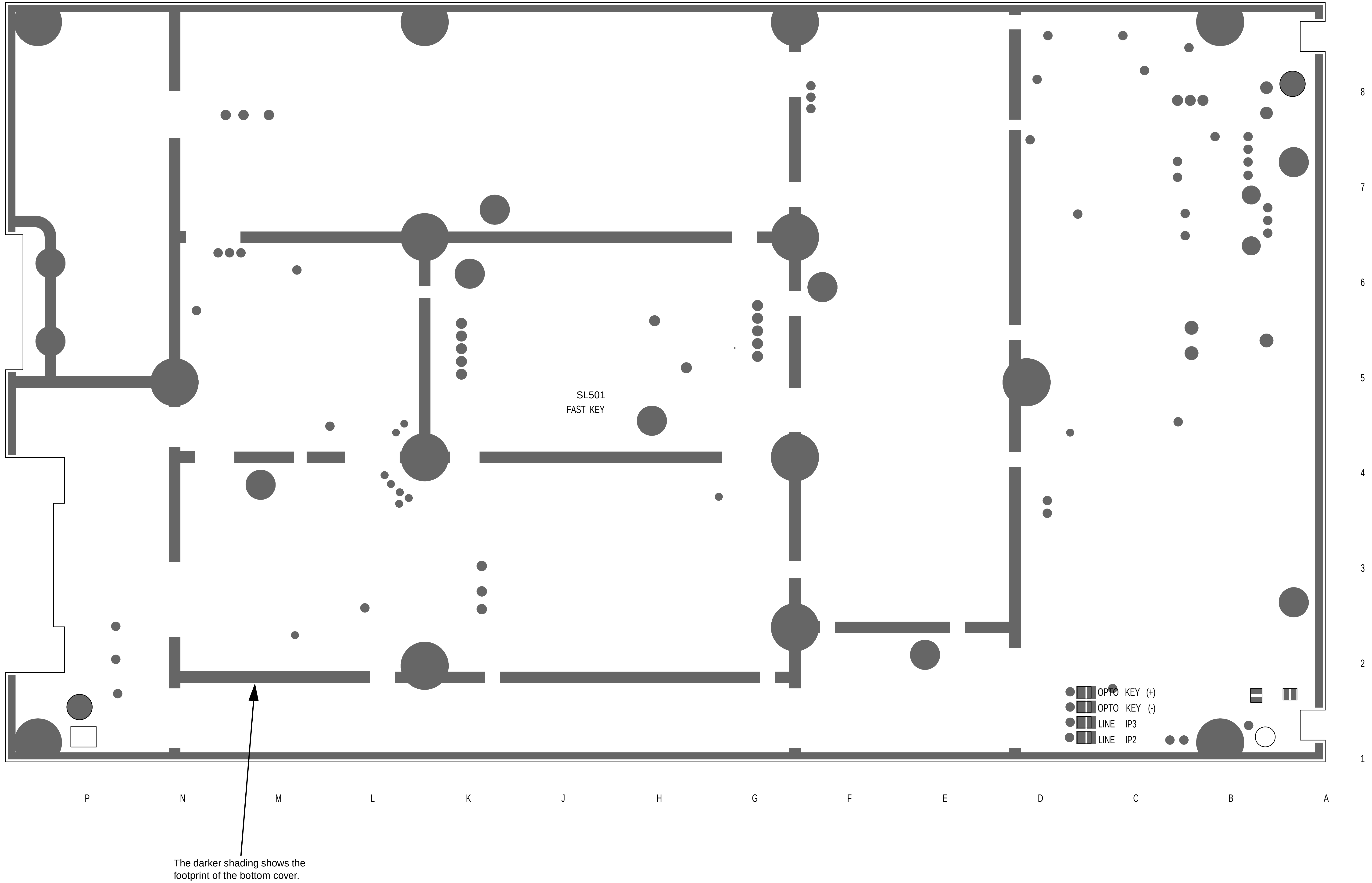


The darker shading shows the footprint of the bottom cover.

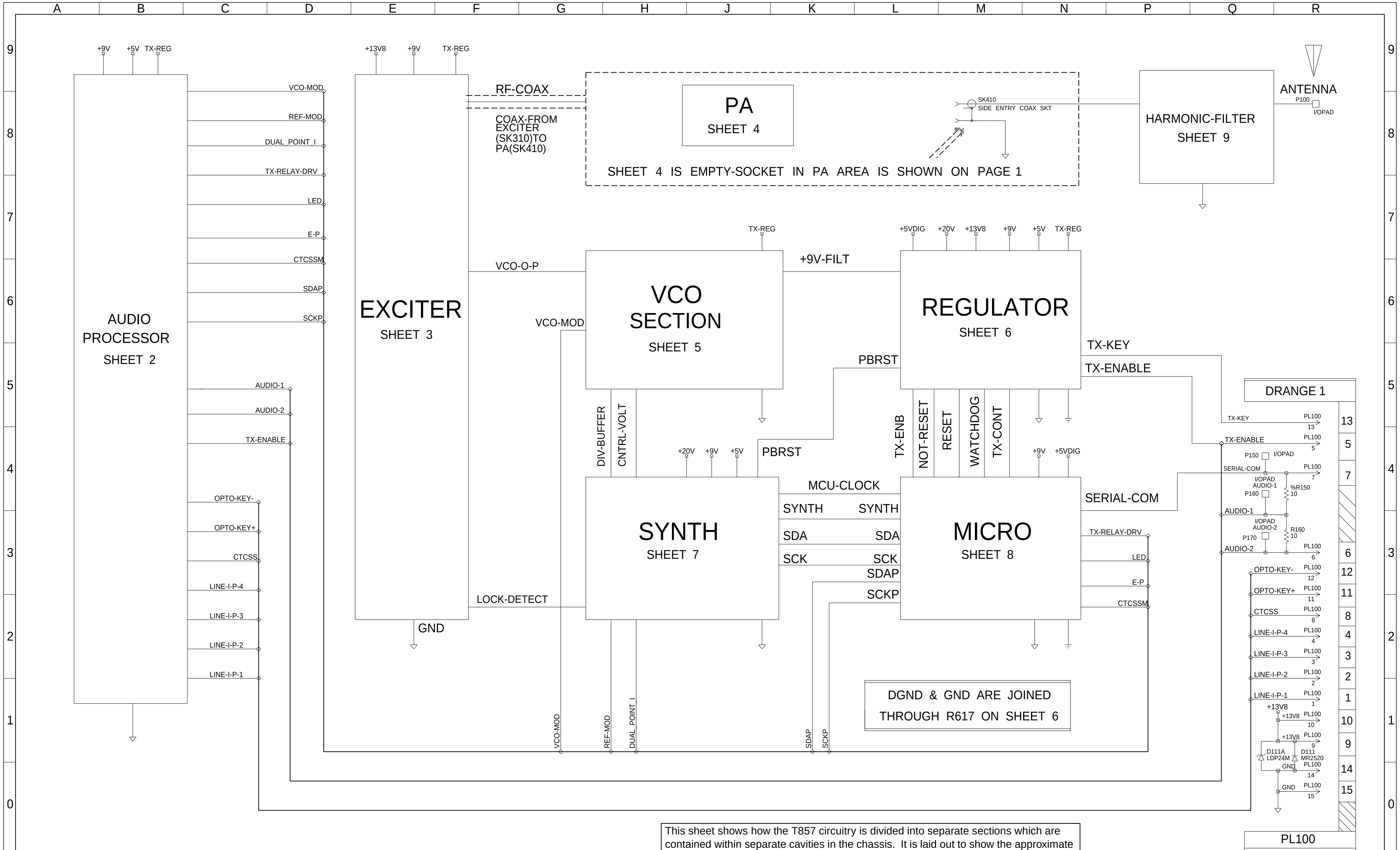
T857 PCB Layout - Bottom Side
220-01398-04



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



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



PL100
15 WAY R-ANGLE DRANGE PLUG

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.

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

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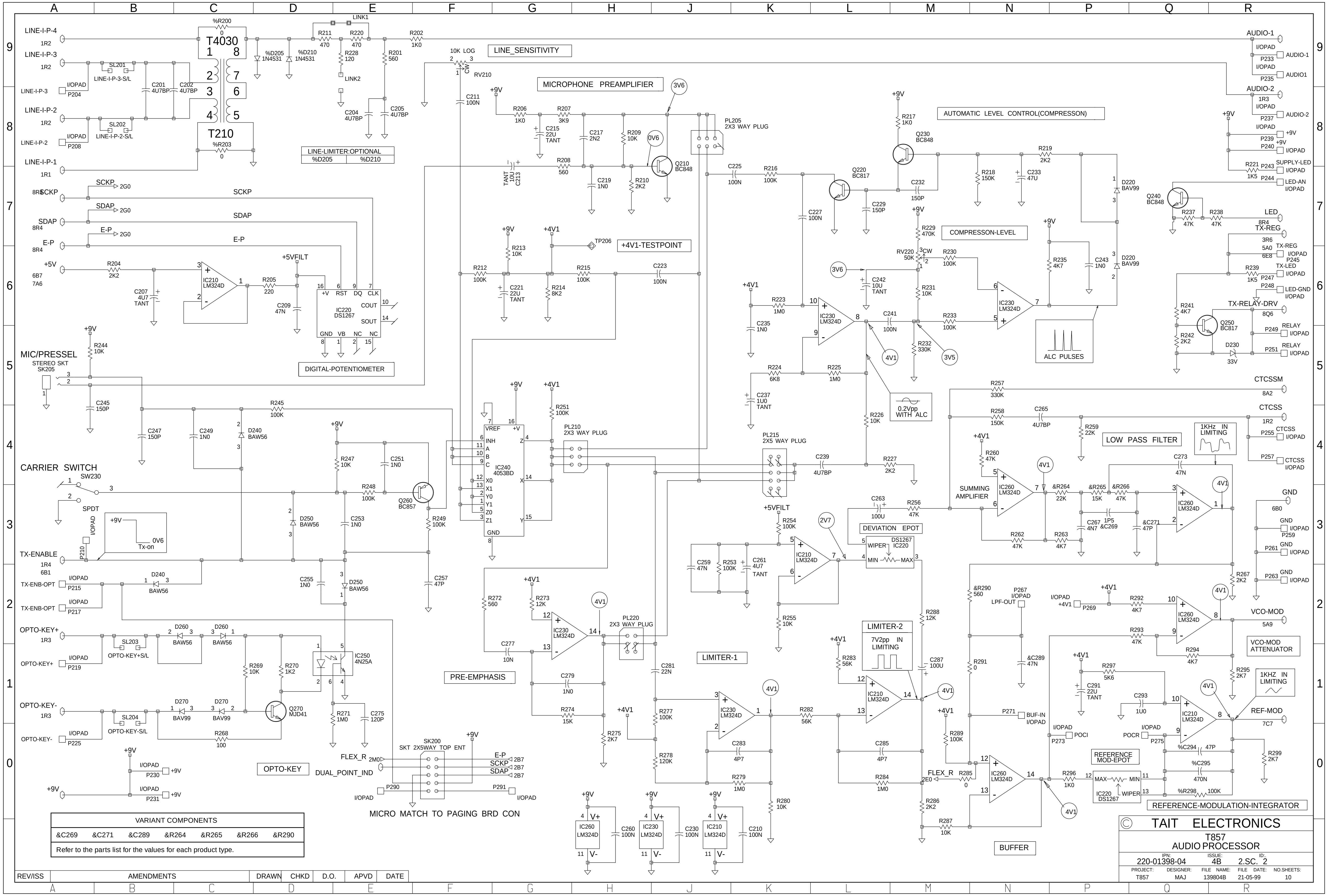
T857
EXCITER

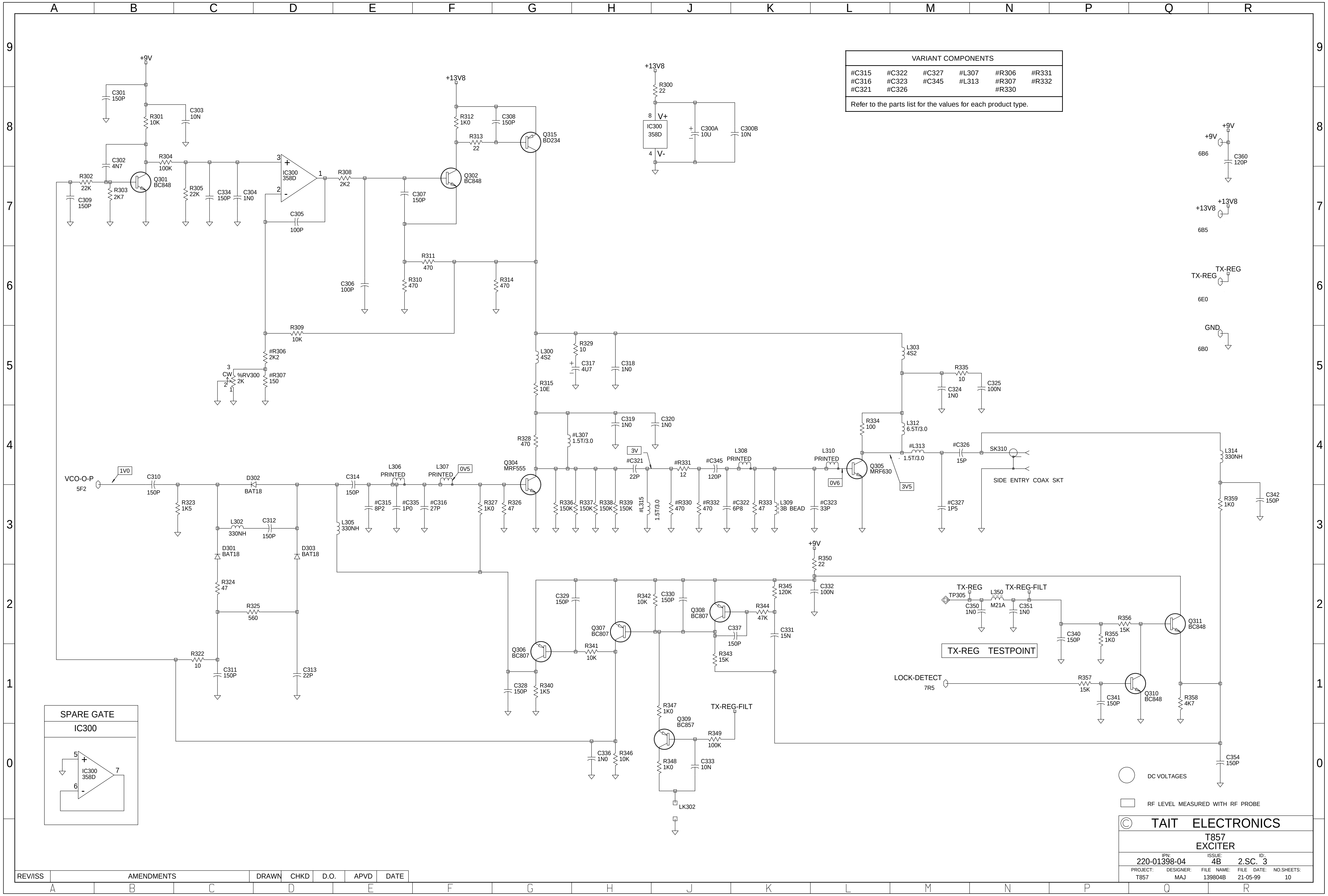
IPN:	ISSUE:	ID:
220-01398-04	4B	2.SC. 1

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

Sheet 1 - T857 Exciter Overview
220-01398-04



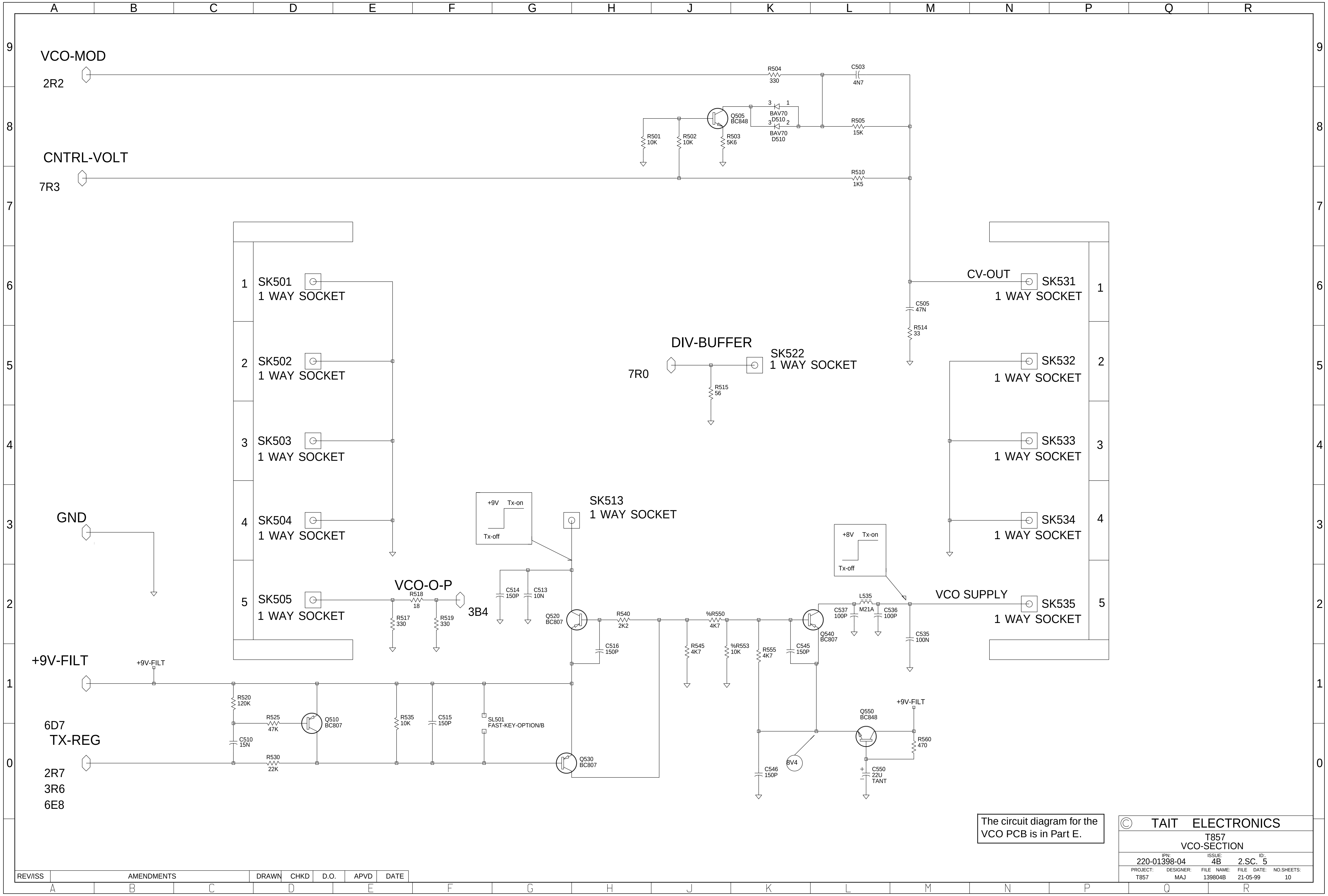
Sheet 2 - T857 Audio Processor
220-01398-04



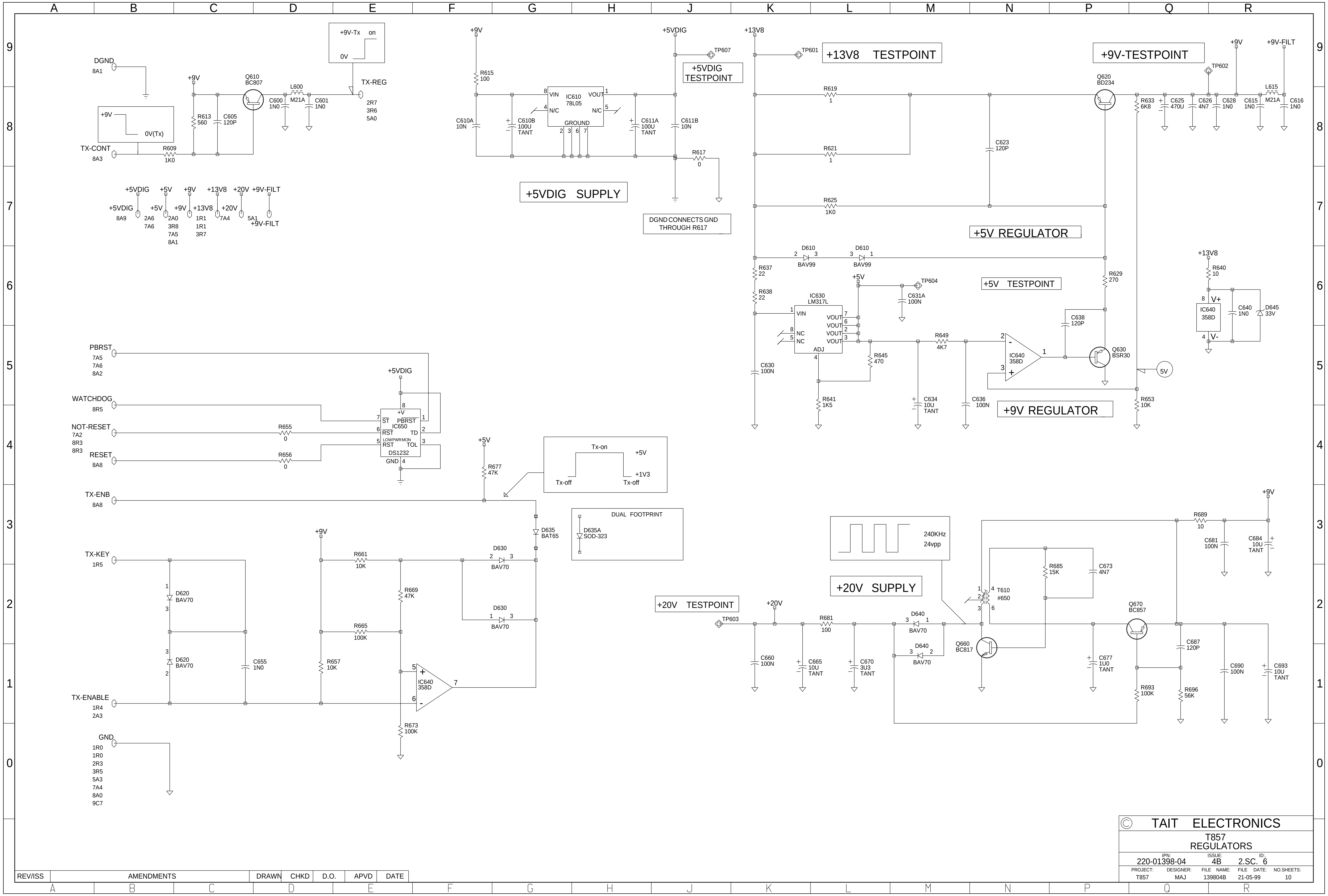
Sheet 3 - T857 Exciter
220-01398-04

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

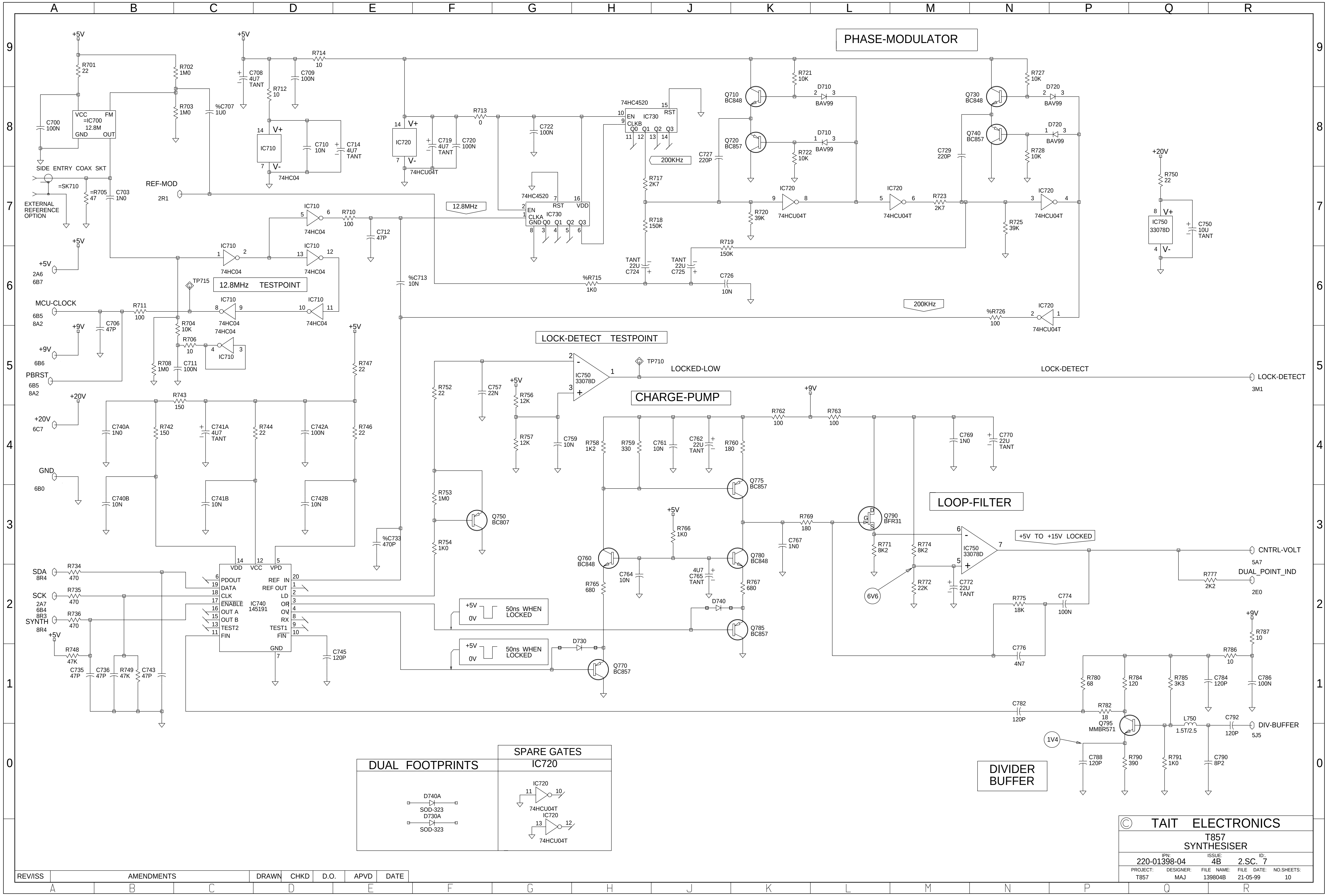
Sheet 4 - Not Used In The T857
220-01398-04



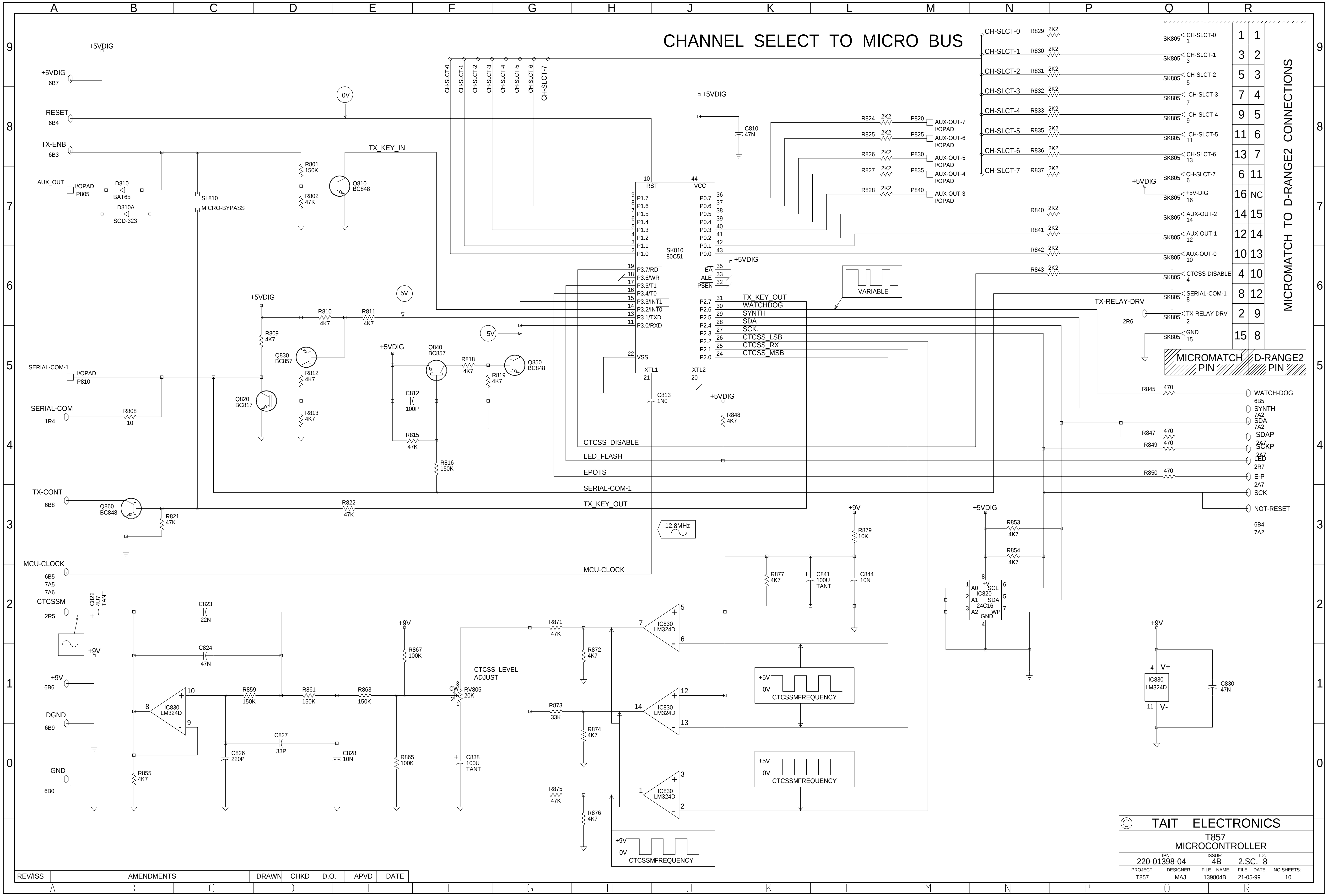
Sheet 5 - T857 VCO Section
220-01398-04



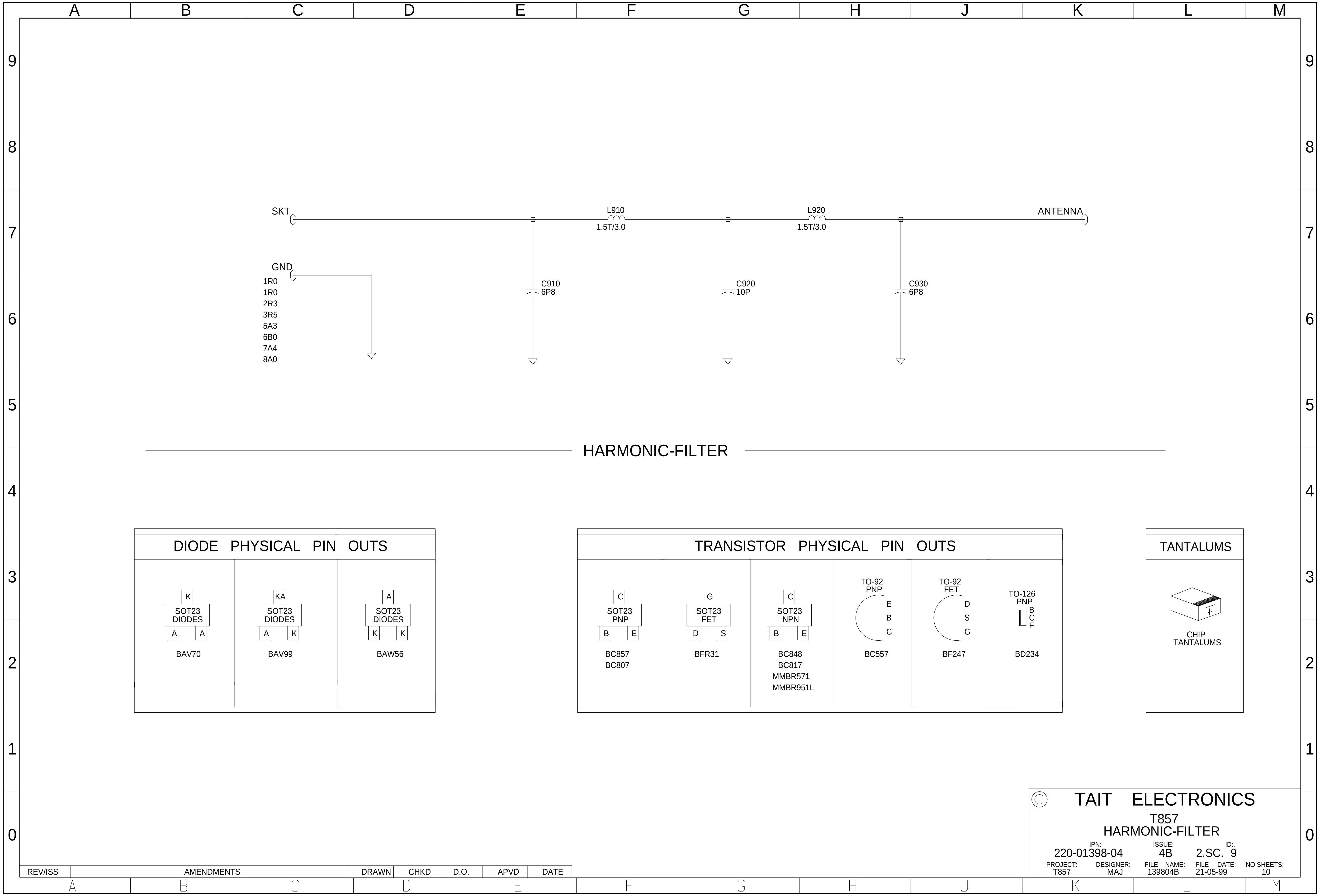
Sheet 6 - T857 Regulators
220-01398-04



Sheet 7 - T857 Synthesiser
220-01398-04



Sheet 8 - T857 Microcontroller
220-01398-04



Sheet 9 - T857 Harmonic Filter
220-01398-04