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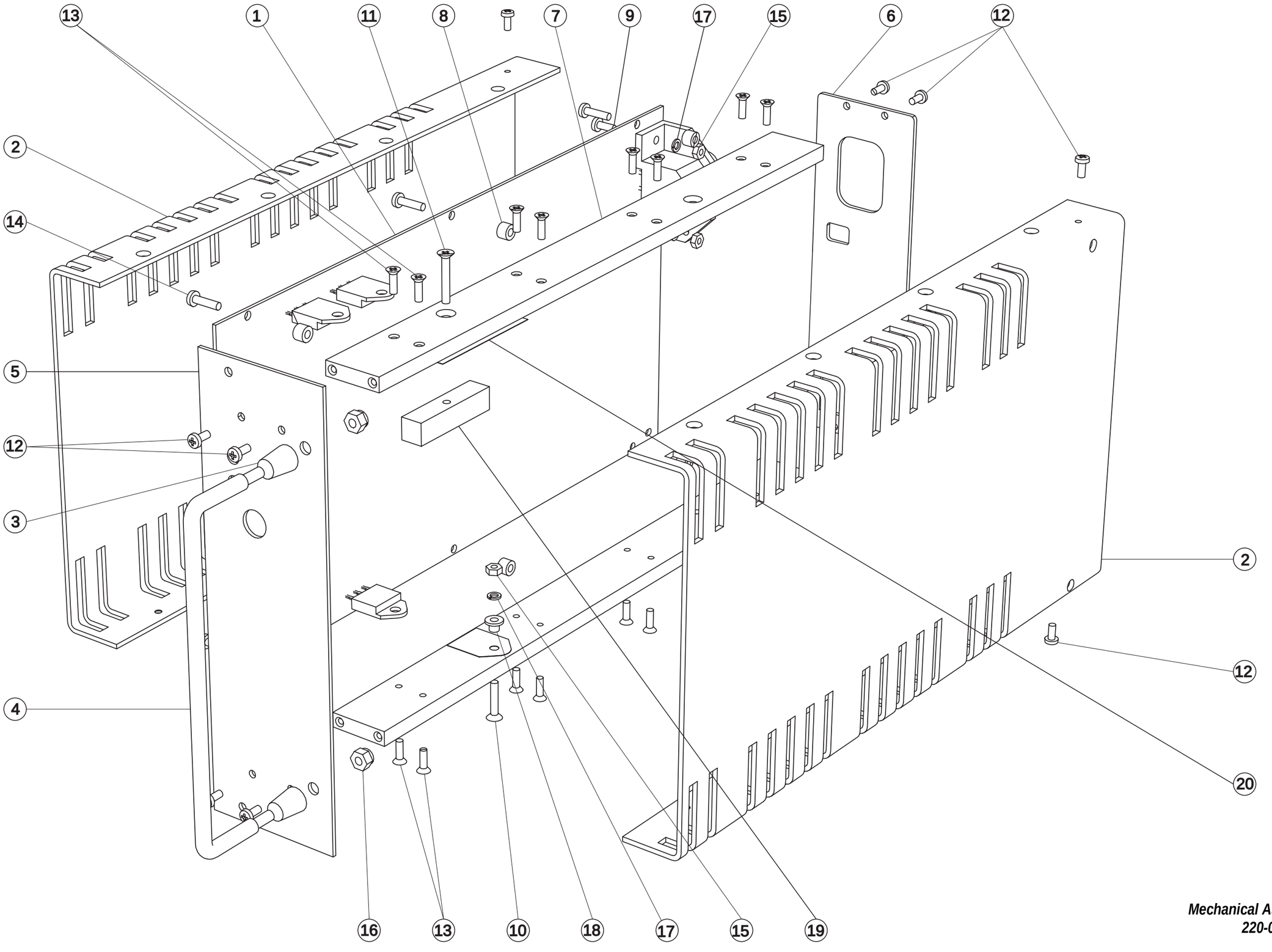
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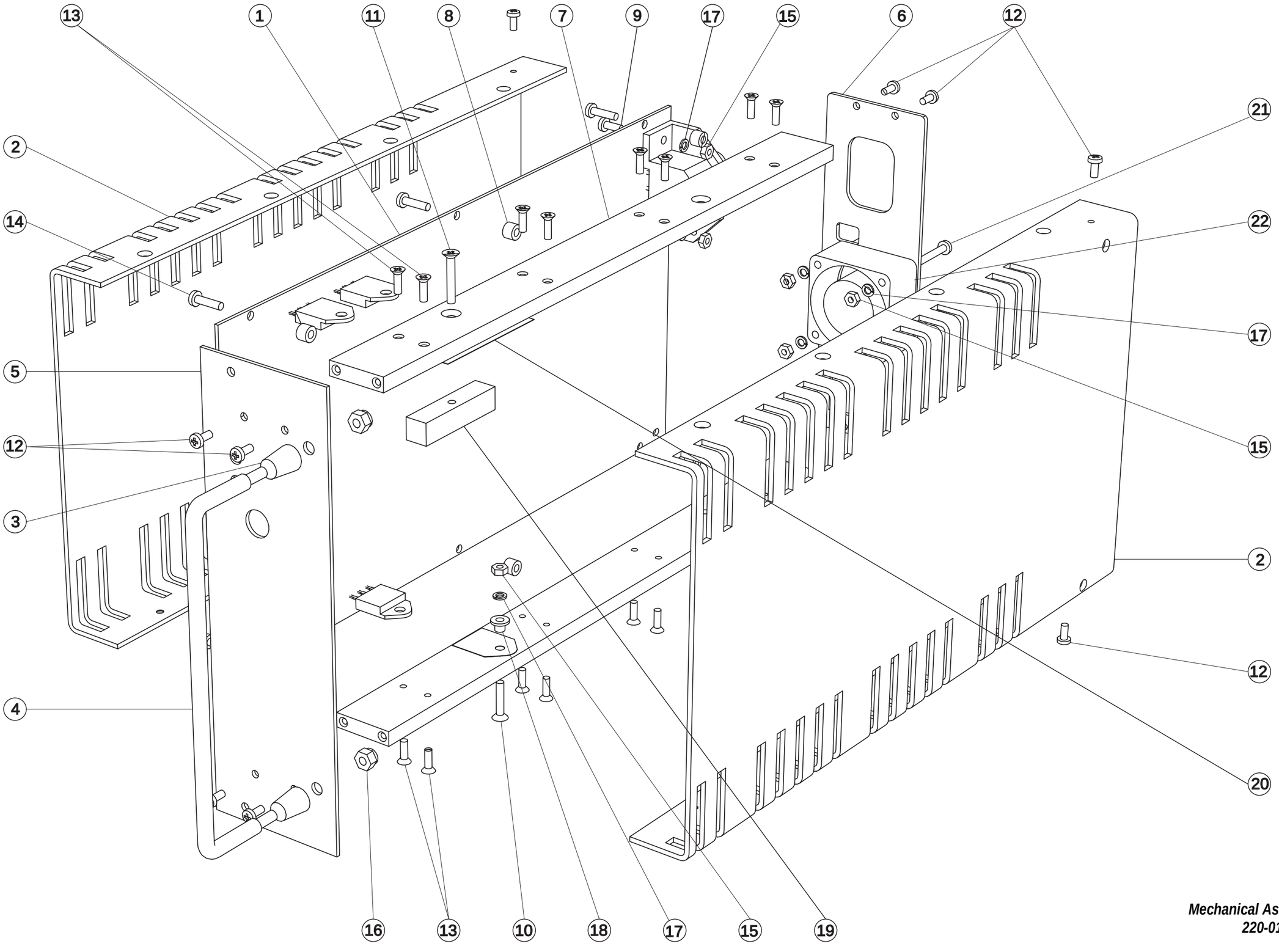
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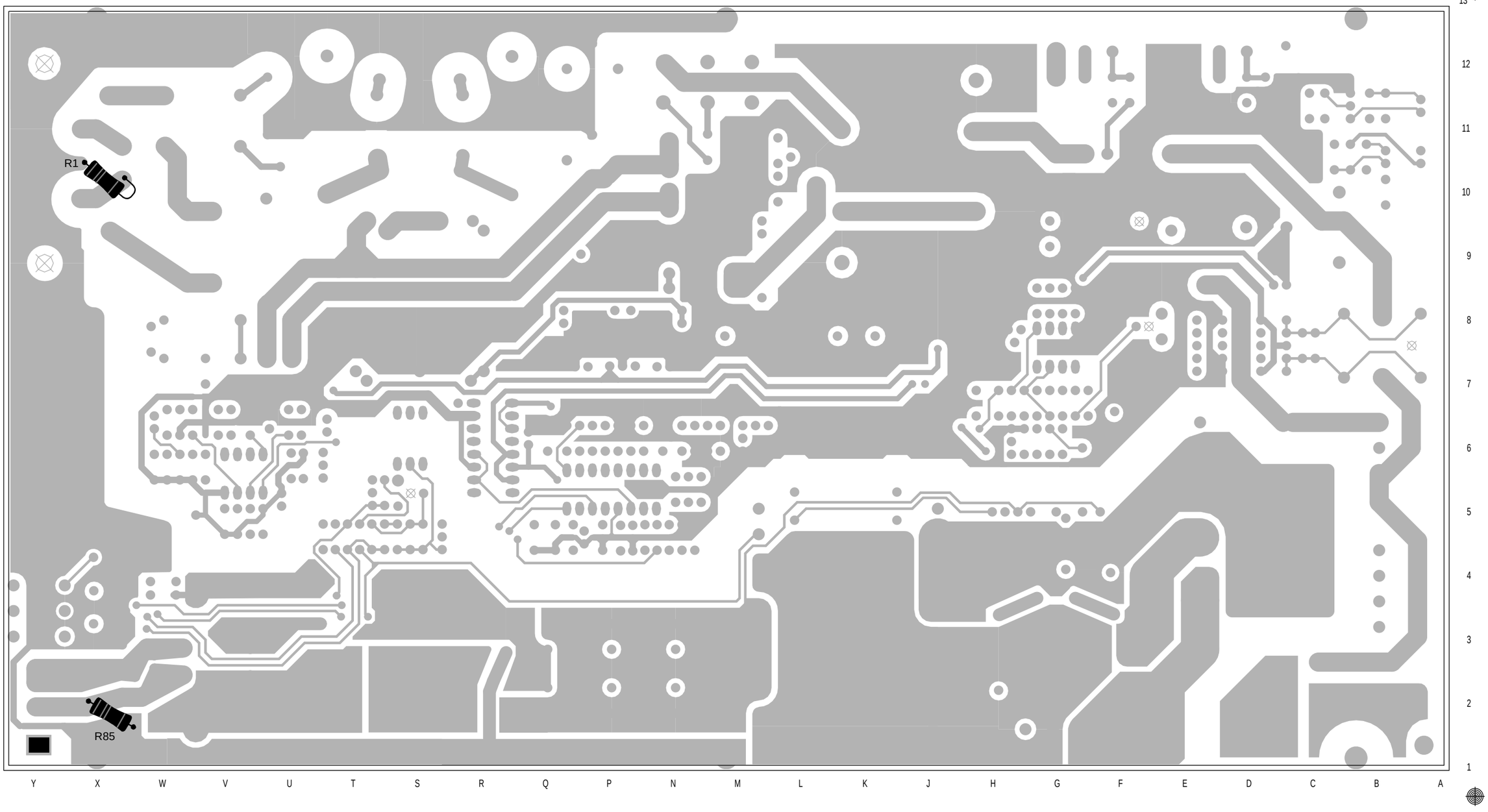
Find the *Tait T807-10* at our website: *Click HERE*



T807
Mechanical Assembly
220-01183-03

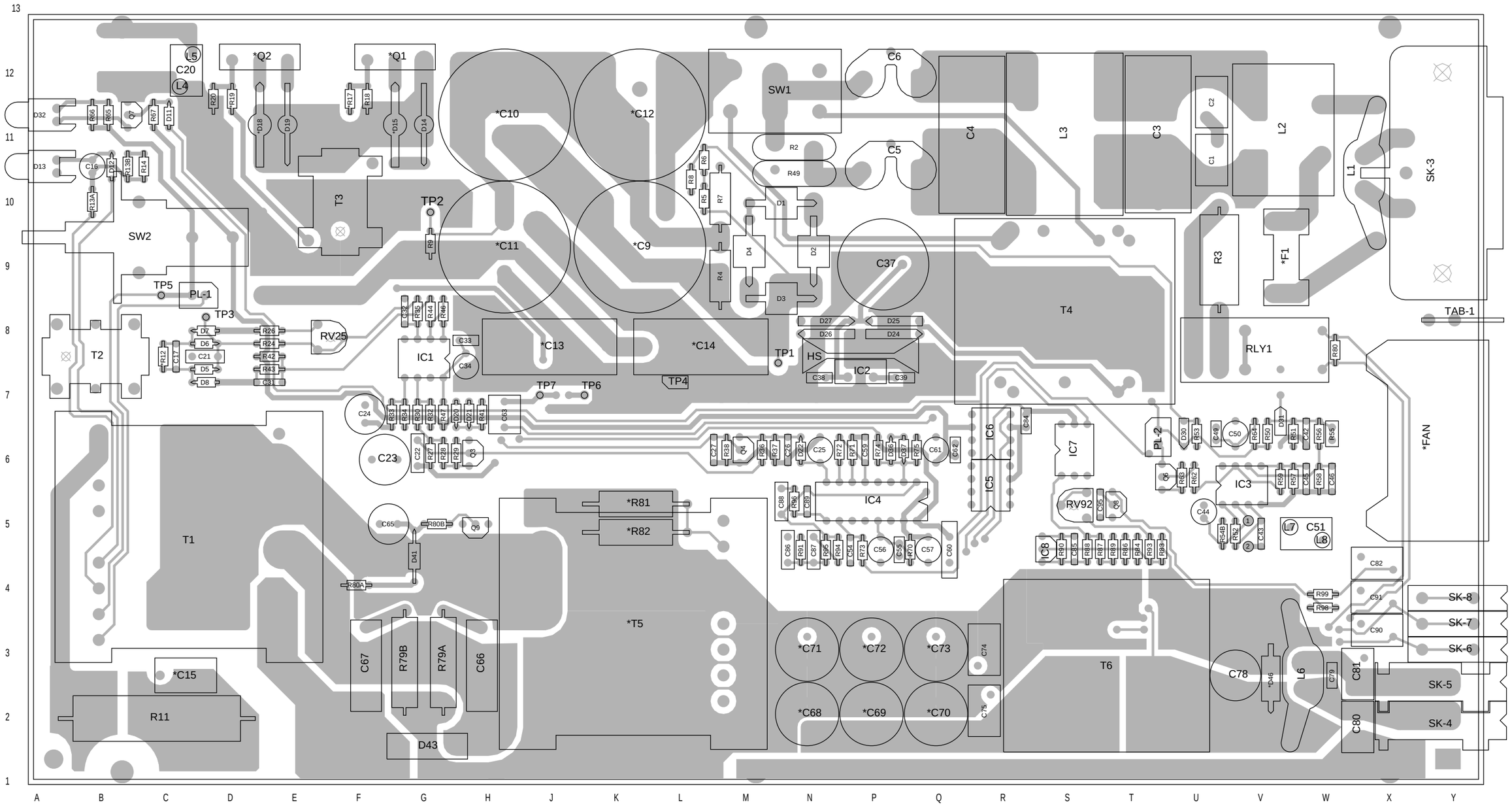


T808
Mechanical Assembly
220-01183-03



T807/808 PCB Layout
Bottom Side
220-01183-03

Copyright TEL



T807/808 PCB Layout
Top Side
220-01183-03

Copyright TEL

*SMPS	*Q1	*Q2	*D15	*D18		*C15	*R81	*R82	*C9	*C10
T807	IRF830	IRF830	BYV28-200	BYV28-200		220PV6KV	150ZT	150ZT	390UF200	390UF200
T808	MTH7N50	MTH7N50	MUR440'	MUR440'		470PV6KV	120ZT	120ZT	560UF200	560UF200
SMPS	*C11	*C12	*C68	*C69	*C70	*C71	*C72	*C73	*D46	*C13
T807	390UF200	390UF200	2200UF16	2200UF16	2200UF16	2200UF16	2200UF16	2200UF16	P6KE16A	680ND
T808	560UF200	560UF200'	3300UF16'	3300UF16'	3300UF16'	3300UF16'	3300UF16'	3300UF16'	1.5KE16A	1U0D
SMPS	*C14	*T5	*F1	*R12	*R17	*R19	*FAN			
T807	680ND	T4072	5AFUSE	180X	22X	22X	-			
T808	1U0D	T4080	8AFUSE	100X	10X	10X	40A12B			

PLEASE NOTE: *COMPONENTS SHOWN ON CIRCUIT DIAGRAM ARE FOR T807
X IS CONNECTED ACROSS THE MAINS.
Y IS CONNECTED BETWEEN MAINS & EARTH.
(X & Y CAPACITORS ARE REQUIRED TO MEET SAFETY REGULATIONS).

EMI MAINS FILTER

POWER SWITCHING

POWER ON

C-LIMIT SET

OUTPUT FILTER

0/V PROT

OUTPUT 13.8V

MAINS/PS FAIL ALARM

ERROR AMP. + REFERENCE

REMOTE SENSE

OUTPUT V-SET

CONTROL LOOP STABILIZATION

CURRENT LIMIT

STANDBY

SOFT START

POWER MOS DRIVE

UNDERVOLTAGE LOCKOUT

FAN CONTROL

NOTE: SHEET 2 CONTAINS NON-RELEVANT DATA.

REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE
3C	CAD/WANG, UNICAD FETCH	RBM				07/07/96
03B	C/N:90/05-401	MC				
03A	UPDATED FROM ISSUE 02A (C/N:91/05-401)	DJW				15/02/91
02A	UPDATED FROM ISSUE 01A (C/N:90/09-454)	DJW	PJK		JH	19/09/90
01A	UPADTED FROM USSUE A	DJW	PJK		JH	28/05/90

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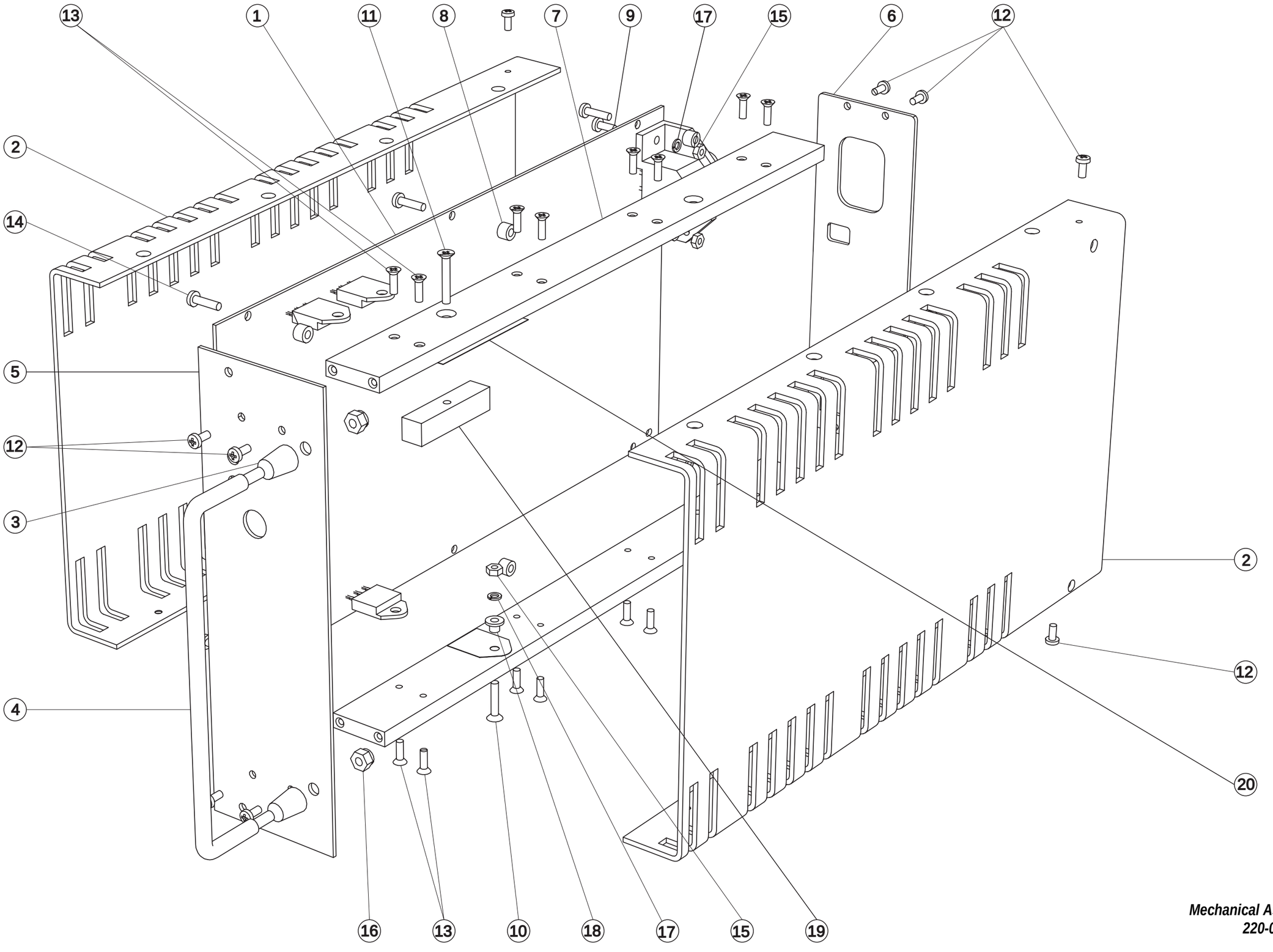
T807/808 SMPS SCHEMATIC

IPN:	ISSUE:	ID:
220-01183-03	C	2.SC. 1

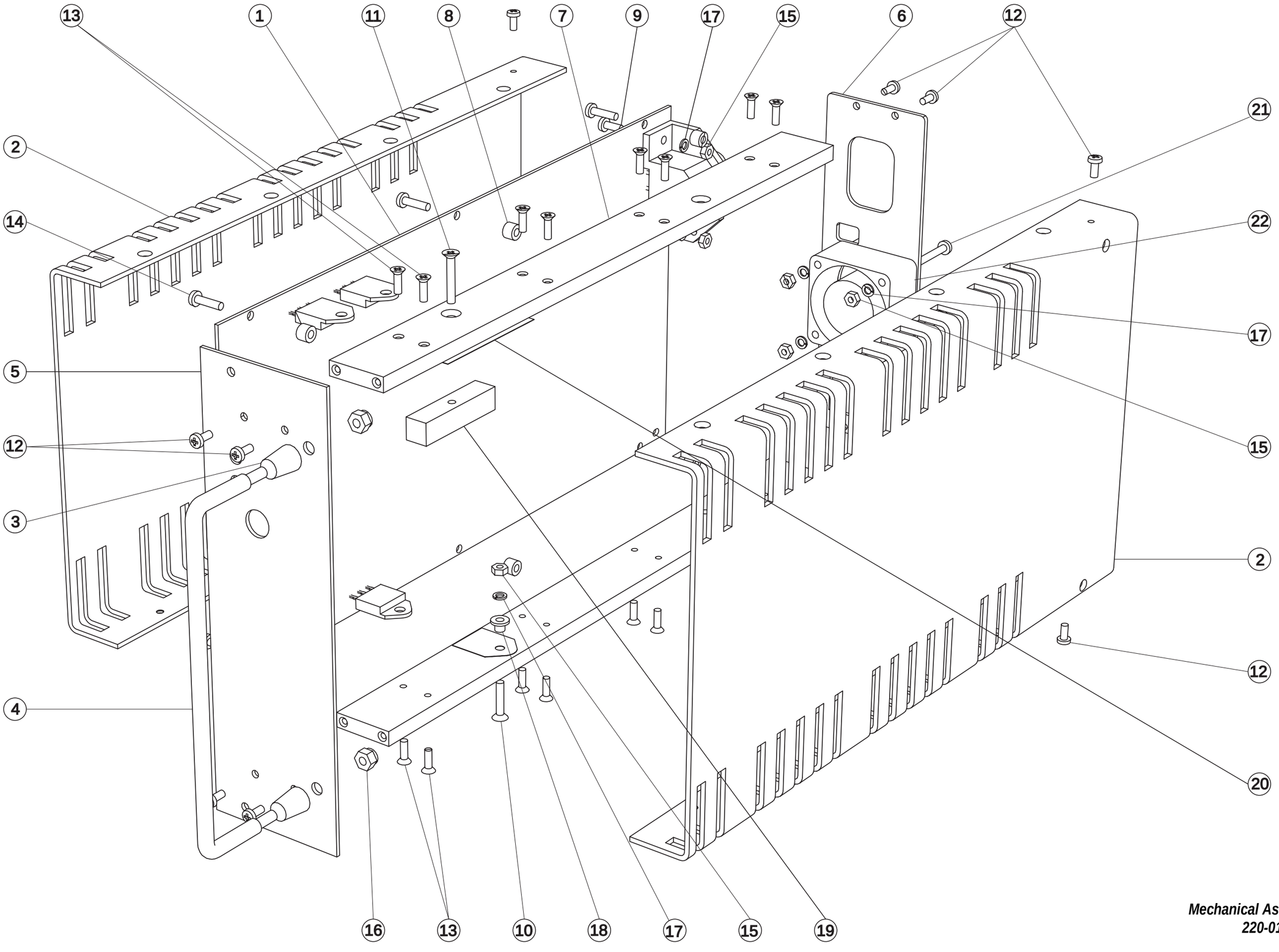
PROJECT:	DESIGNER:	FILE NAME:	FILE DATE:	NO.SHEETS:
T800	RBM	807_3C	07/07/96	2

T807/808 Circuit Diagram
220-01183-03

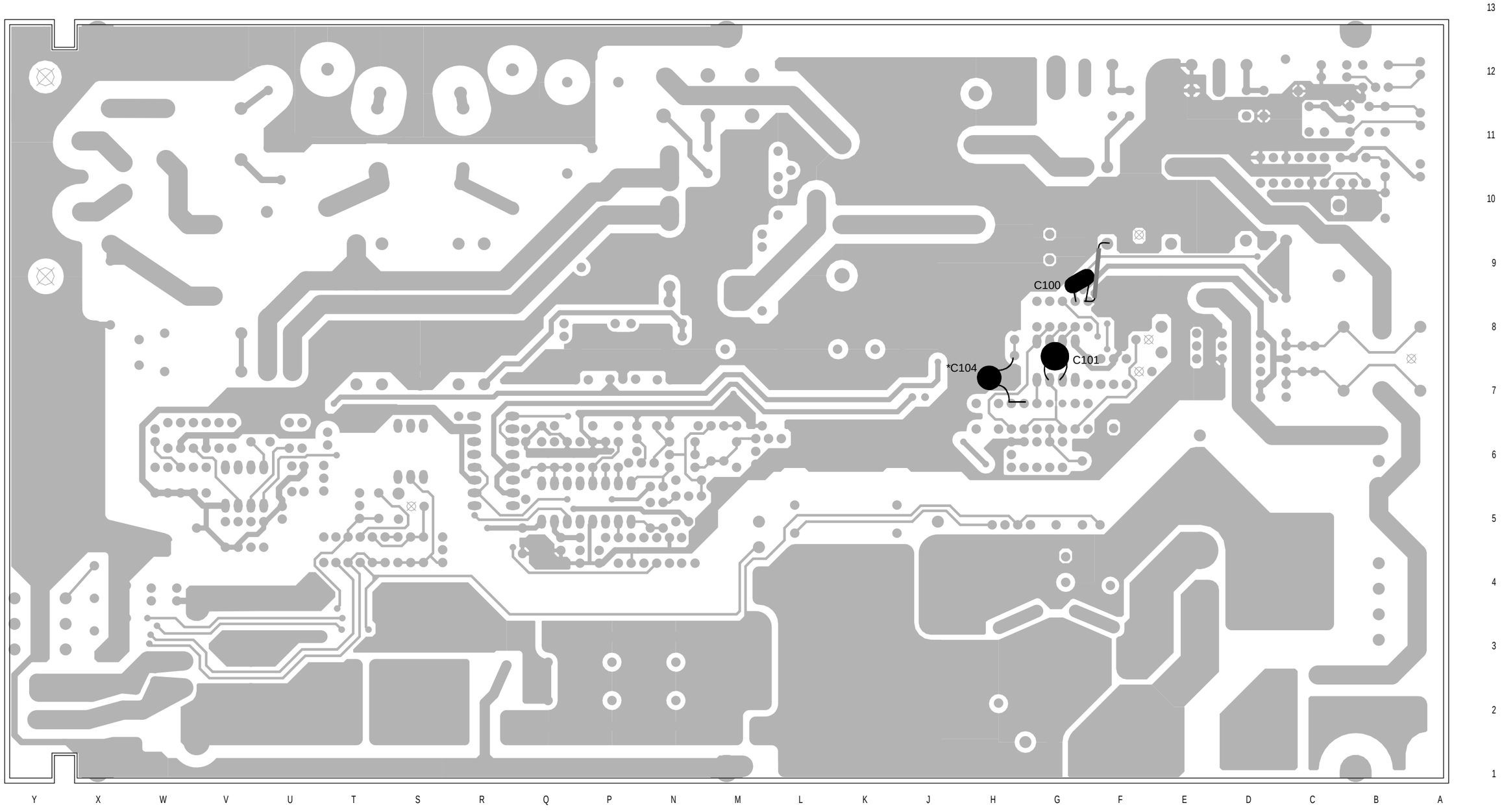
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T807
Mechanical Assembly
220-01183-05

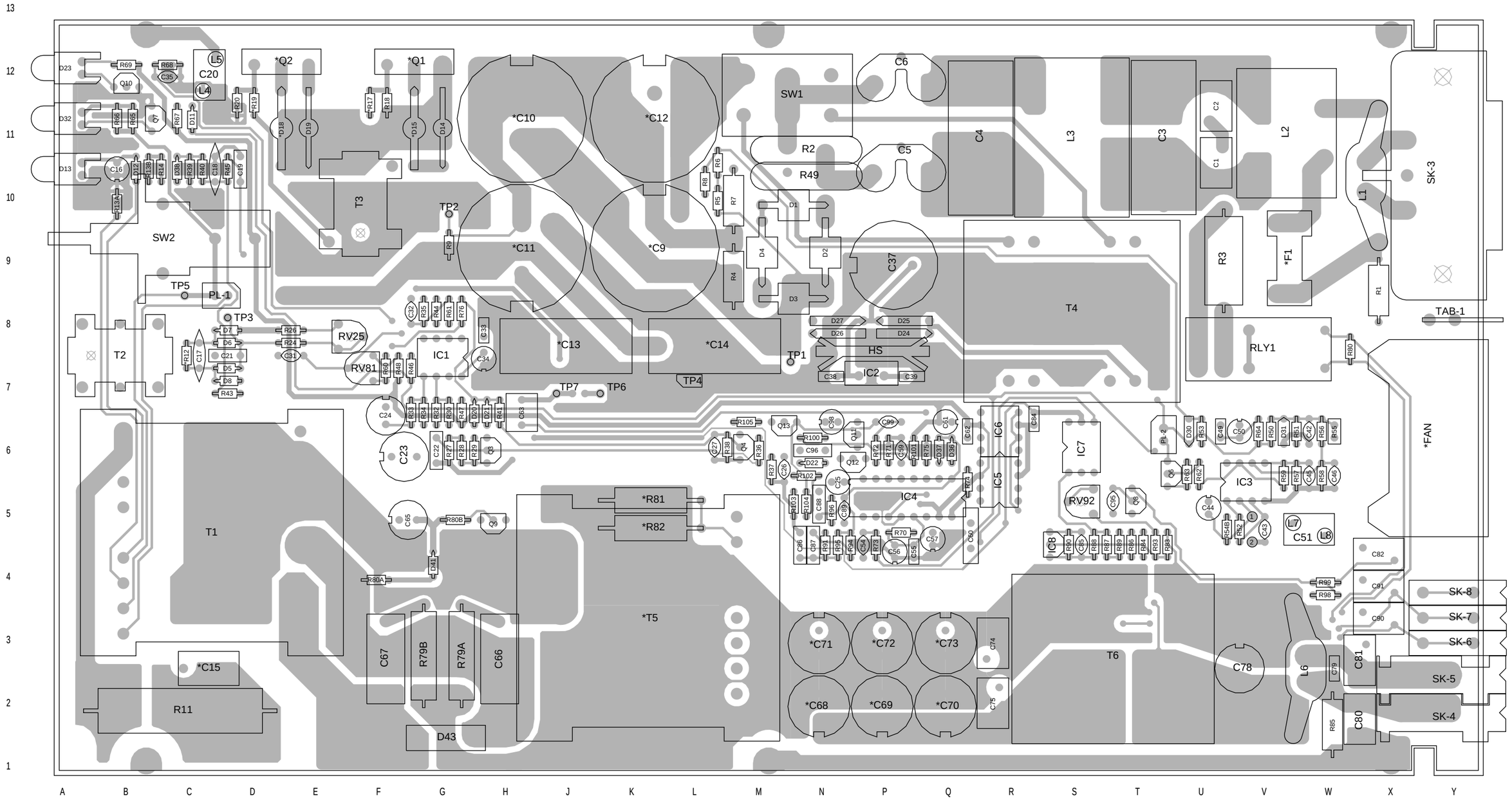


T808
Mechanical Assembly
220-01183-05



T807/808 PCB Layout
Bottom Side
220-01183-05

Copyright TEL



T807/808 PCB Layout
Top Side
220-01183-05

31/08/96

Copyright TEL

*SMPS	*Q1	*Q2	*D15	*D18		*C15	*R81	*R82	*C9	*C10
T807	IRF830	IRF830	BYV28-200	BYV28-200		220PV6KV	150ZT	150ZT	390UF200	390UF200
T808	MTH7N50	MTH7N50	MUR440'	MUR440'		470PV6KV	120ZT	120ZT	560UF200'	560UF200'
SMPS	*C11	*C12	*C68	*C69	*C70	*C71	*C72	*C73	*C13	*C14
T807	390UF200	390UF200	2200UF16	2200UF16	2200UF16	2200UF16	2200UF16	2200UF16	680ND	680ND
T808	560UF200'	560UF200'	3300UF16'	3300UF16'	3300UF16'	3300UF16'	3300UF16'	3300UF16	1U0D	1U0D
SMPS	*T5	*F1	*R12	*R17	*R19	*FAN				
T807	T4072	5AFUSE	180X	22X	22X	-				
T808	T4080	8AFUSE	100X	10X	10X	40A12B				

PLEASE NOTE: *COMPONENTS SHOWN ON CIRCUIT DIAGRAM ARE FOR T807
X IS CONNECTED ACROSS THE MAINS.
Y IS CONNECTED BETWEEN MAINS & EARTH.
(X & Y CAPACITORS ARE REQUIRED TO MEET SAFETY REGULATIONS).

OUTPUT FILTER
OUTPUT 13.8V
MAINS/PS FAIL ALARM
ERROR AMP. + REFERENCE
REMOTE SENSE
OUTPUT V-SET
EMI MAINS FILTER
POWER SWITCHING
POWER ON
C-LIMIT SET
CONTROL LOOP STABILIZATION
CURRENT LIMIT
OVER VOLTAGE
O/V ADJ.
SOFT START
OVERCURRENT
POWER MOS DRIVE
NOISE MODULATOR
UNDERVOLTAGE LOCKOUT
STANDBY
FAN CONTROL
OVERCURRENT

REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE
5B	CAD/WANG, UNICAD FETCH	RBM				14/07/96
5A	UPDATED FROM ISSUE 4A (C/N:)	DJW				01/03/94
4A	ADDED SELF-HEALING OVER VOLTAGE PROTECTION.	MC				
03B	C/N 91/05-401	MC				
03A	UPDATED FROM ISSUE 02A (C/N:91/01-46)	DJW				15/02/91
02A	UPDATED FROM ISSUE 01A (C/N:90/09-454)	DJW	PJK		JH	19/09/90
01A	UPDATED FROM ISSUE A	DJW	PJK		JH	28/05/90
A	UPDATED FROM T99	D.B.H	P.J.K.		J.H	22/02/90

NOTE: SHEET 2 CONTAINS NON-RELEVANT DATA

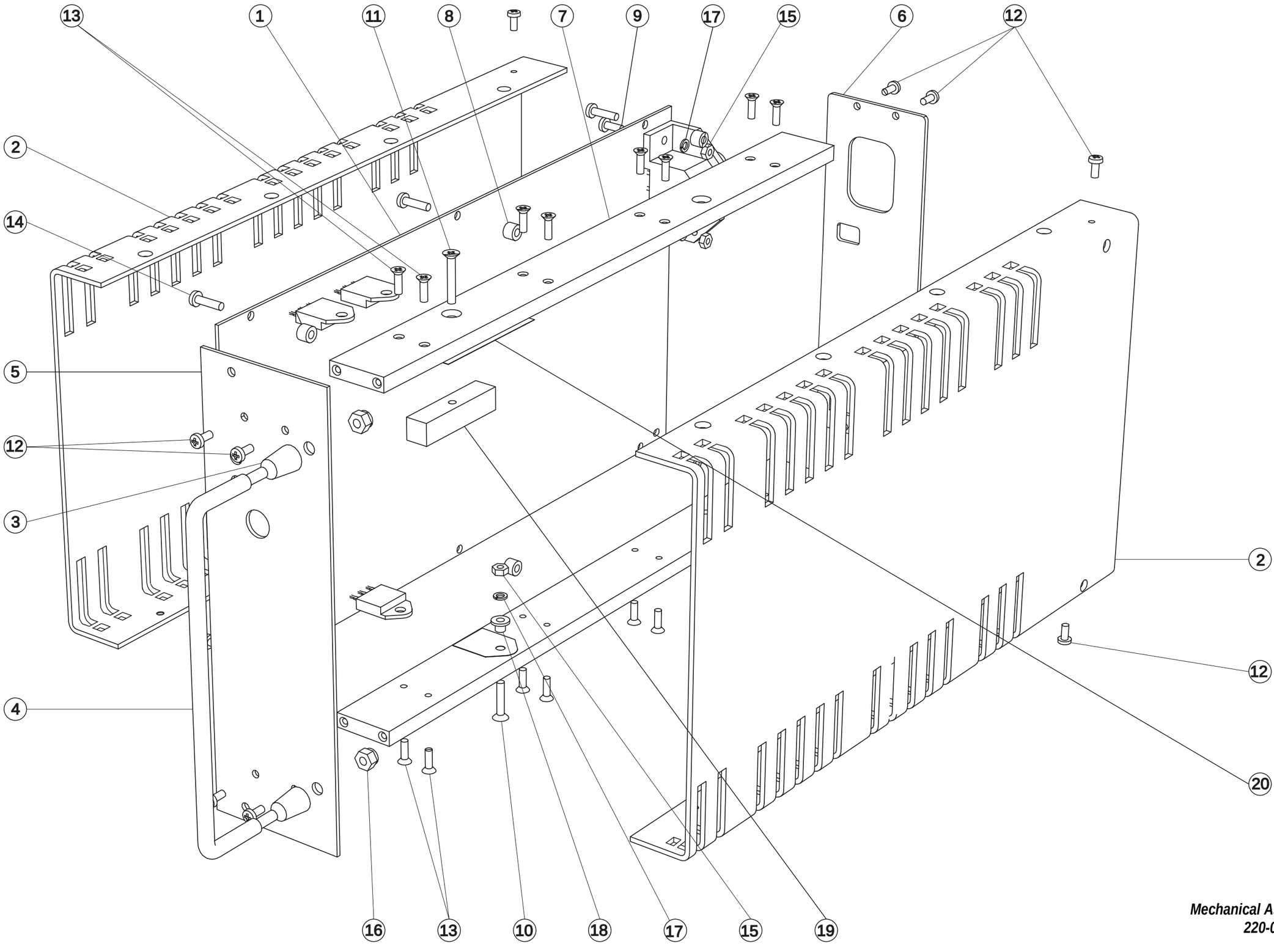
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T807/T808 SMPS
SCHEMATIC

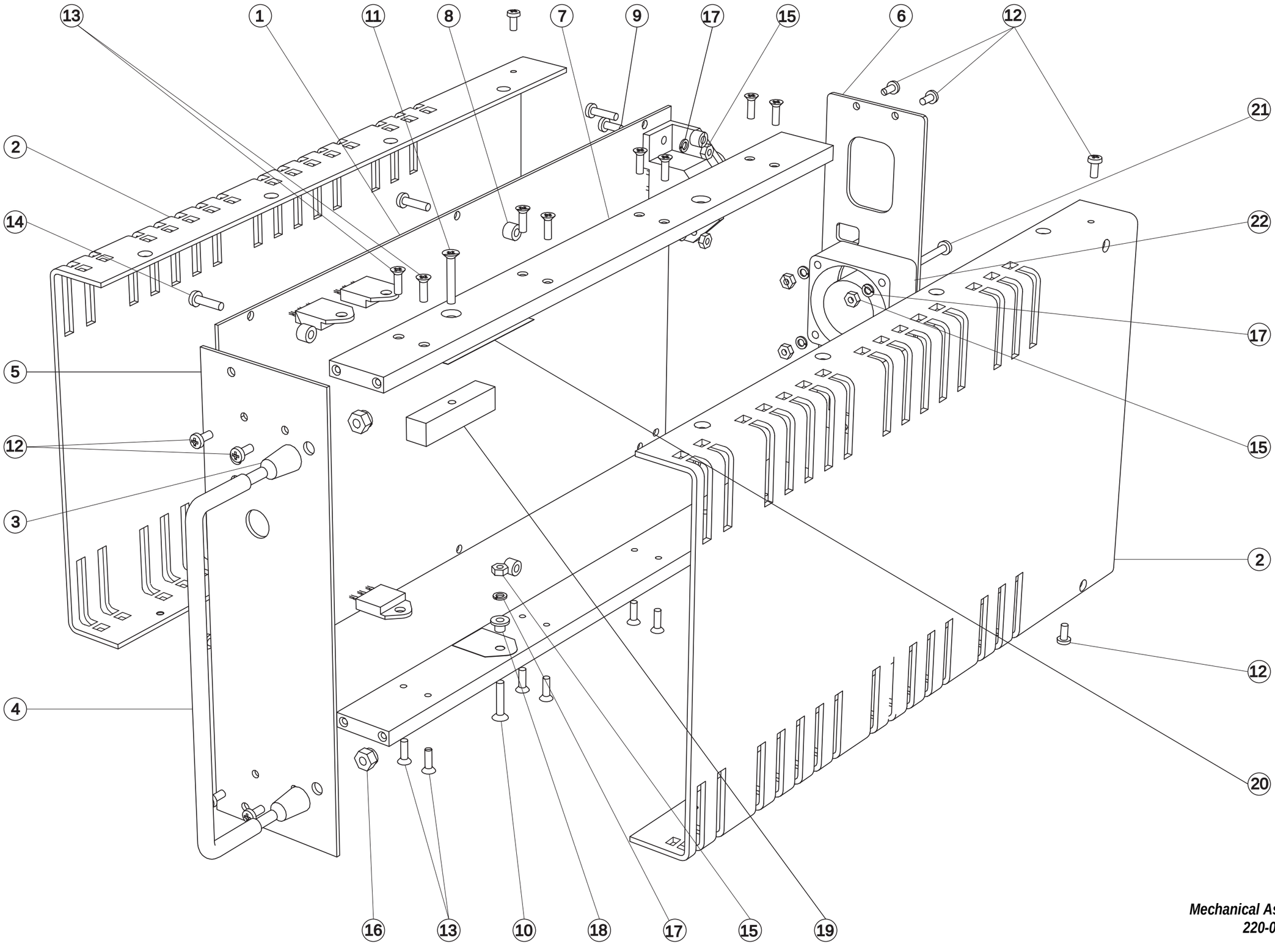
IPN:	ISSUE:	ID:
220-01183-05	B	2.SC. 1

PROJECT:	DESIGNER:	FILE NAME:	FILE DATE:	NO.SHEETS:
T800		807_5B	14/07/96	2

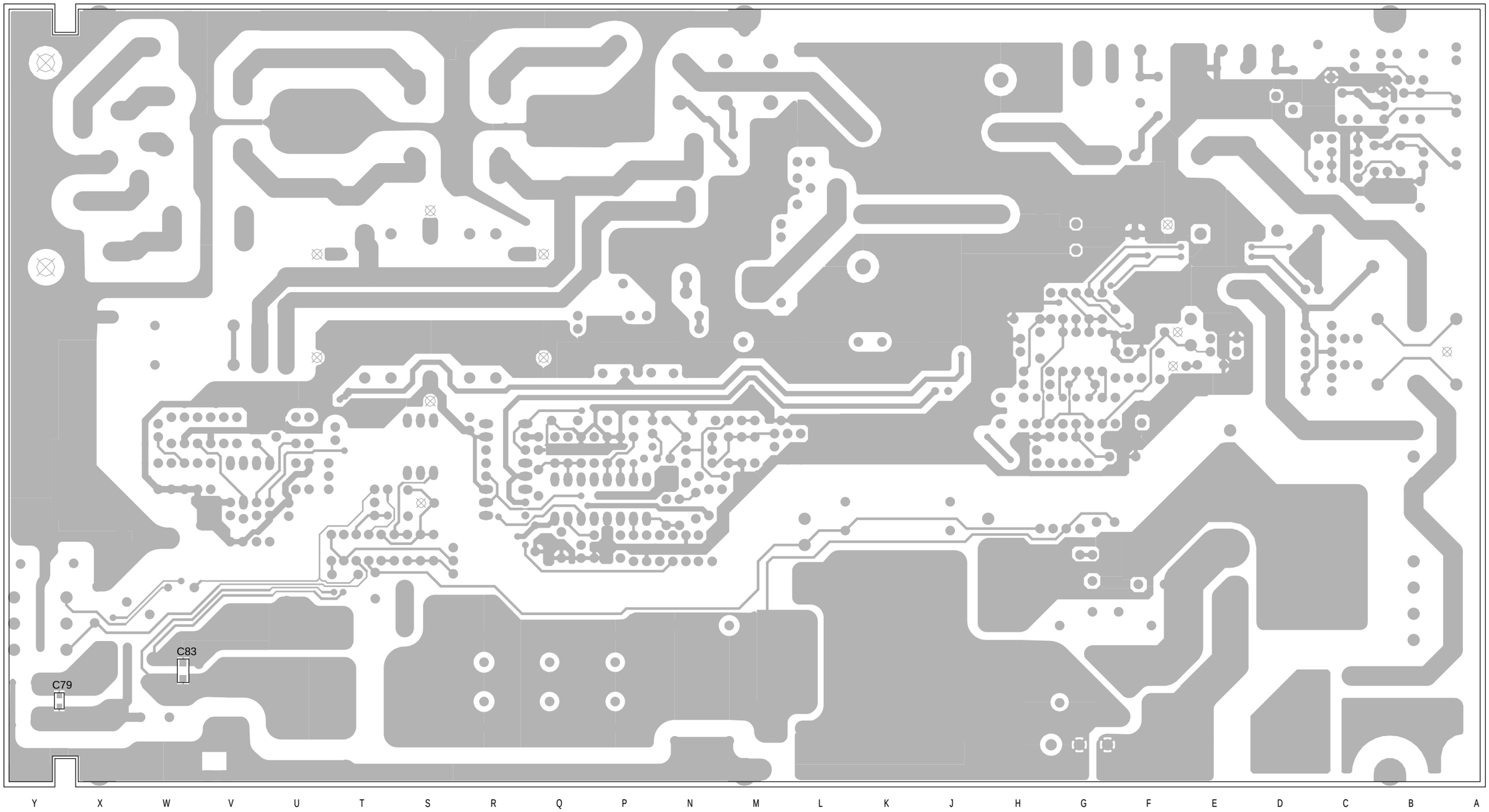
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T807
Mechanical Assembly
220-01183-07

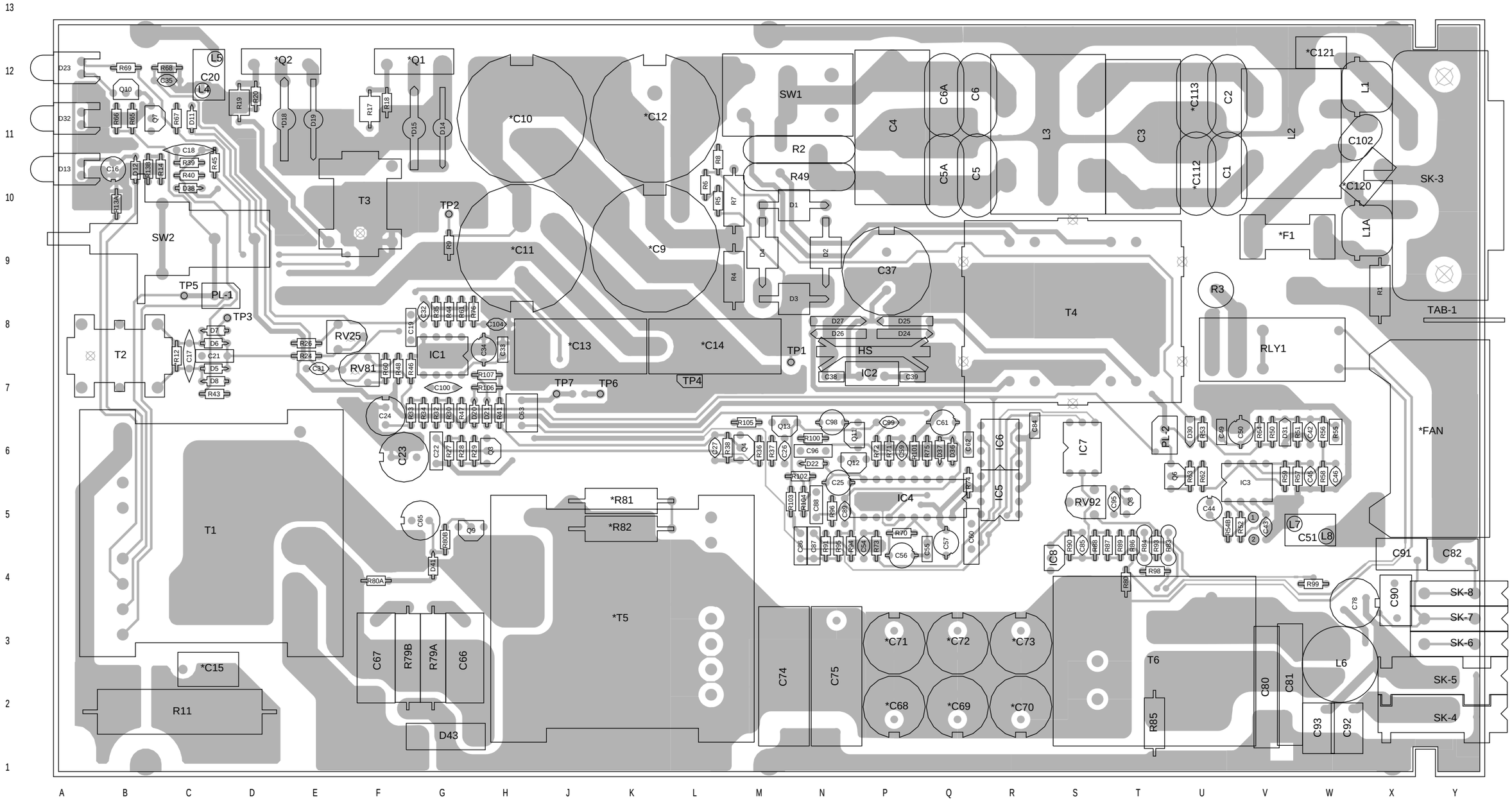


T808
Mechanical Assembly
220-01183-07



T807/808 PCB Layout
Bottom Side
220-01183-07

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T807/808 PCB Layout
Top Side
220-01183-07

31/08/96

Copyright TEL

*SMPS	*Q1	*Q2	*D15	*D18	*PL-2	*C15	*R81	*R82	*C9	*C10
T807	IRF830	IRF830	BYV28-200	BYV28-200	-	220PV6KV	150ZT	150ZT	390UF200	390UF200
T808	MTH7N50	MTH7N50	MUR440'	MUR440'	PL2U	470PV6KV	120ZT	120ZT	560UF200'	560UF200
SMPS	*C11	*C12	*C68	*C69	*C70	*C71	*C72	*C73	*C13	*C14
T807	390UF200	390UF200	2200UF16	2200UF16	2200UF16	2200UF16	2200UF16	2200UF16	680ND	680ND
T808	560UF200	560UF200'	3300UF16	3300UF16	3300UF16	3300UF16	3300UF16	3300UF16	1U0D	1U0D
SMPS	*T5	*F1	*R12			*FAN	*C112	*C113	*C120	*C121
T807	T4072	5AFUSE	180X			-	-	-	-	-
T808	T4080	8AFUSE	100X			40A12B	010-04470-09 (4N7)	010-04470-09 (4N7)	1N0V400	1N0V400

PLEASE NOTE: *COMPONENTS SHOWN ON CIRCUIT DIAGRAM ARE FOR T807
X IS CONNECTED ACROSS THE MAINS.
Y IS CONNECTED BETWEEN MAINS & EARTH.
(X & Y CAPACITORS ARE REQUIRED TO MEET SAFETY REGULATIONS).

OUTPUT FILTER

OUTPUT 13.8V

MAINS/PS FAIL ALARM

ERROR AMP. + REFERENCE

REMOTE SENSE

OUTPUT V-SET

EMI MAINS FILTER

POWER SWITCHING

POWER ON

CONTROL LOOP STABILIZATION

C-LIMIT SET

CURRENT LIMIT

OVER VOLTAGE

O/V ADJ.

SOFT START

OVER CURRENT

STANDBY

POWER MOS DRIVE

NOISE MODULATOR

UNDER VOLTAGE LOCKOUT

FAN CONTROL

NOTE: SHEET 2 CONTAINS NON-RELEVANT DATA

REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE
7A	MORE EMC MODS.	R.MOFFAT				11/08/96
6A	UPDATE FOR EMC AND STABILITY	R.MOFFAT				16/12/95
5A	UPDATED FROM ISSUE 4A (C/N:)	DJW				01/03/94
4A	ADDED SELF-HEALING OVER VOLTAGE PROTECTION.	MC				
03B	C/N 91/05-401	MC				
03A	UPDATED FROM ISSUE 02A (C/N:91/01-46)	DJW				15/02/91
02A	UPDATED FROM ISSUE 01A (C/N:90/09-454)	DJW	PJK		JH	19/09/90
01A	UPDATED FROM ISSUE A	DJW	PJK		JH	28/05/90

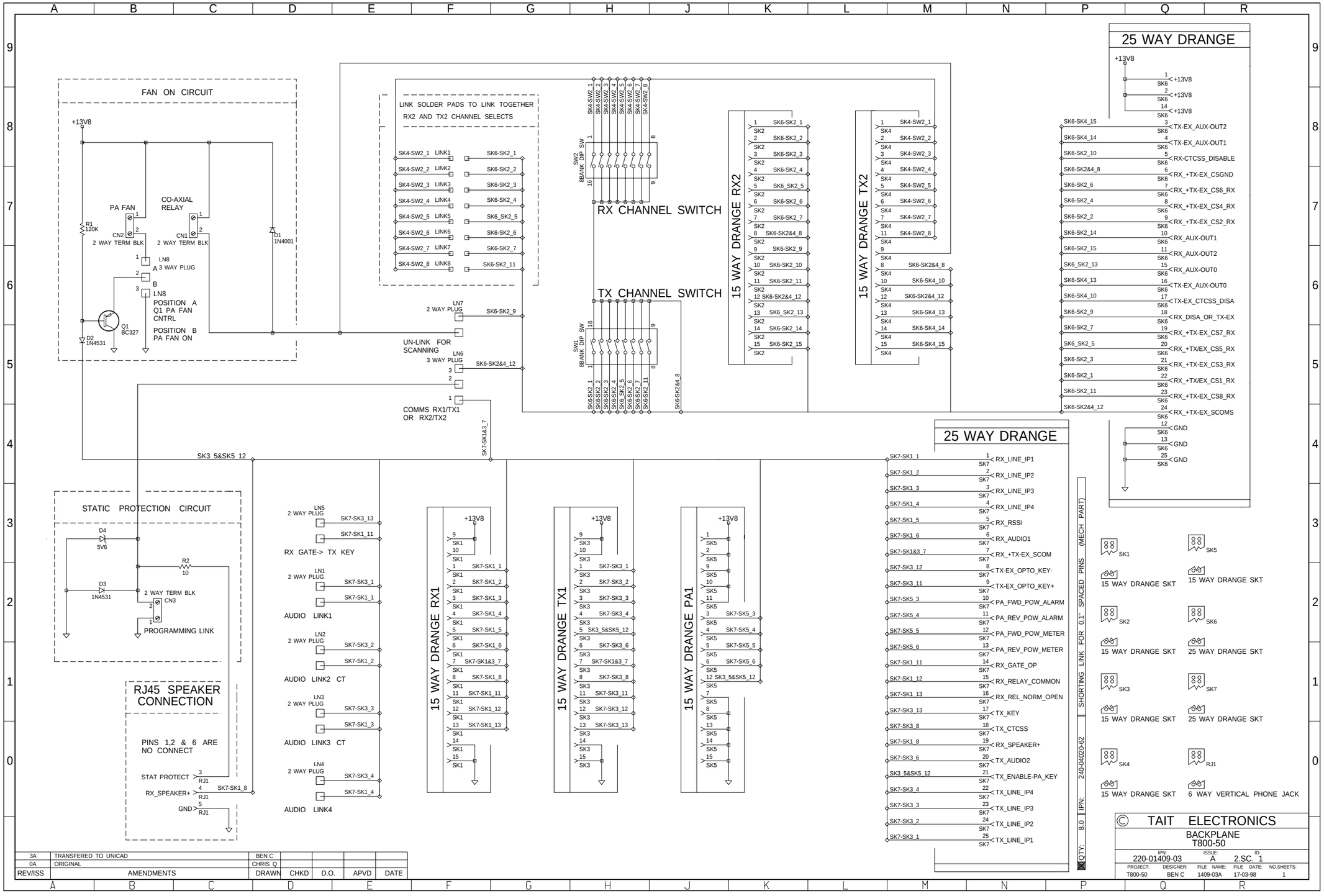
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T807/T808 SMPS
SCHEMATIC

IPN:	ISSUE:	ID:
220-01183-07	A	2.SC. 1

PROJECT:	DESIGNER:	FILE NAME:	FILE DATE:	NO.SHEETS:
T800	R.MOFFAT	807_7A	11/08/96	2

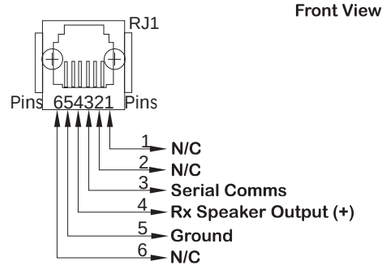
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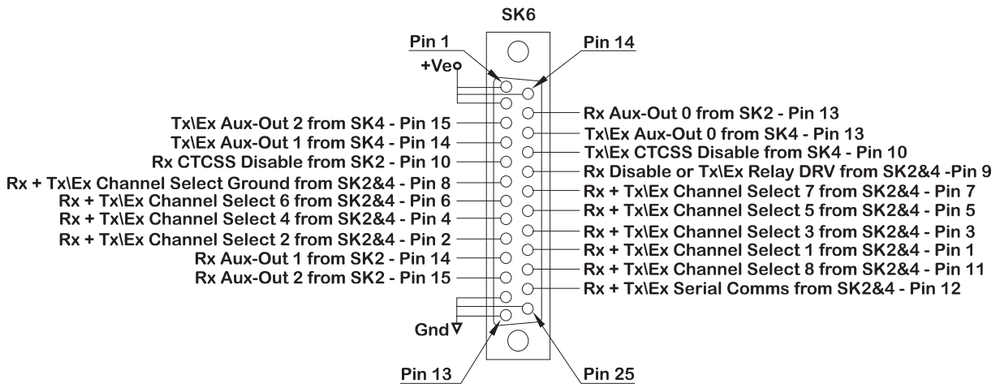
Backplane PCB Circuit Diagram

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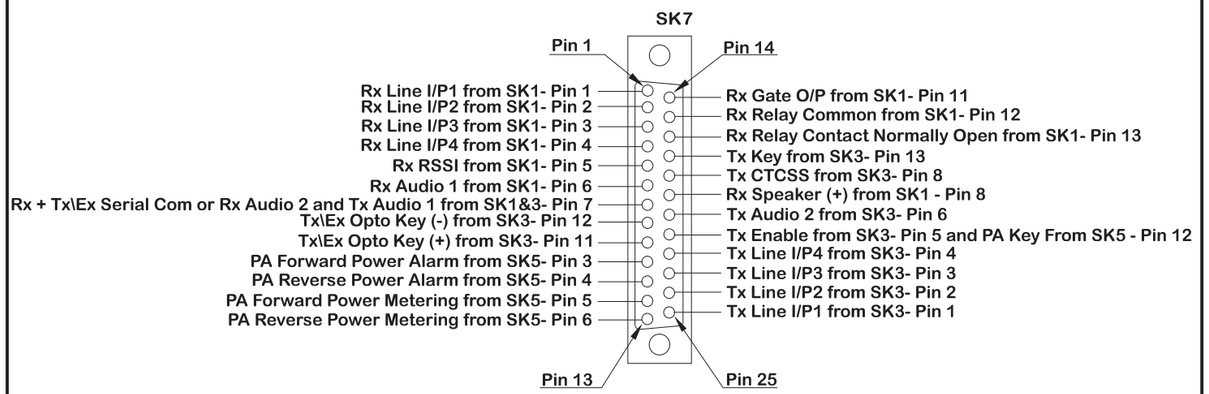
RJ1 Serial Comms and Speaker Output Connector
Front View

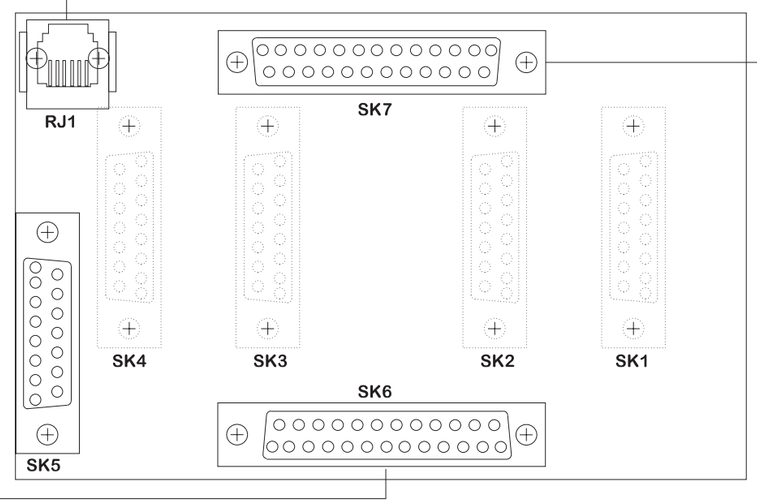


SK6 = Output Pins From Rx and Tx\Ex Modules DR2 Plus 13.8 Volts Output - Front View



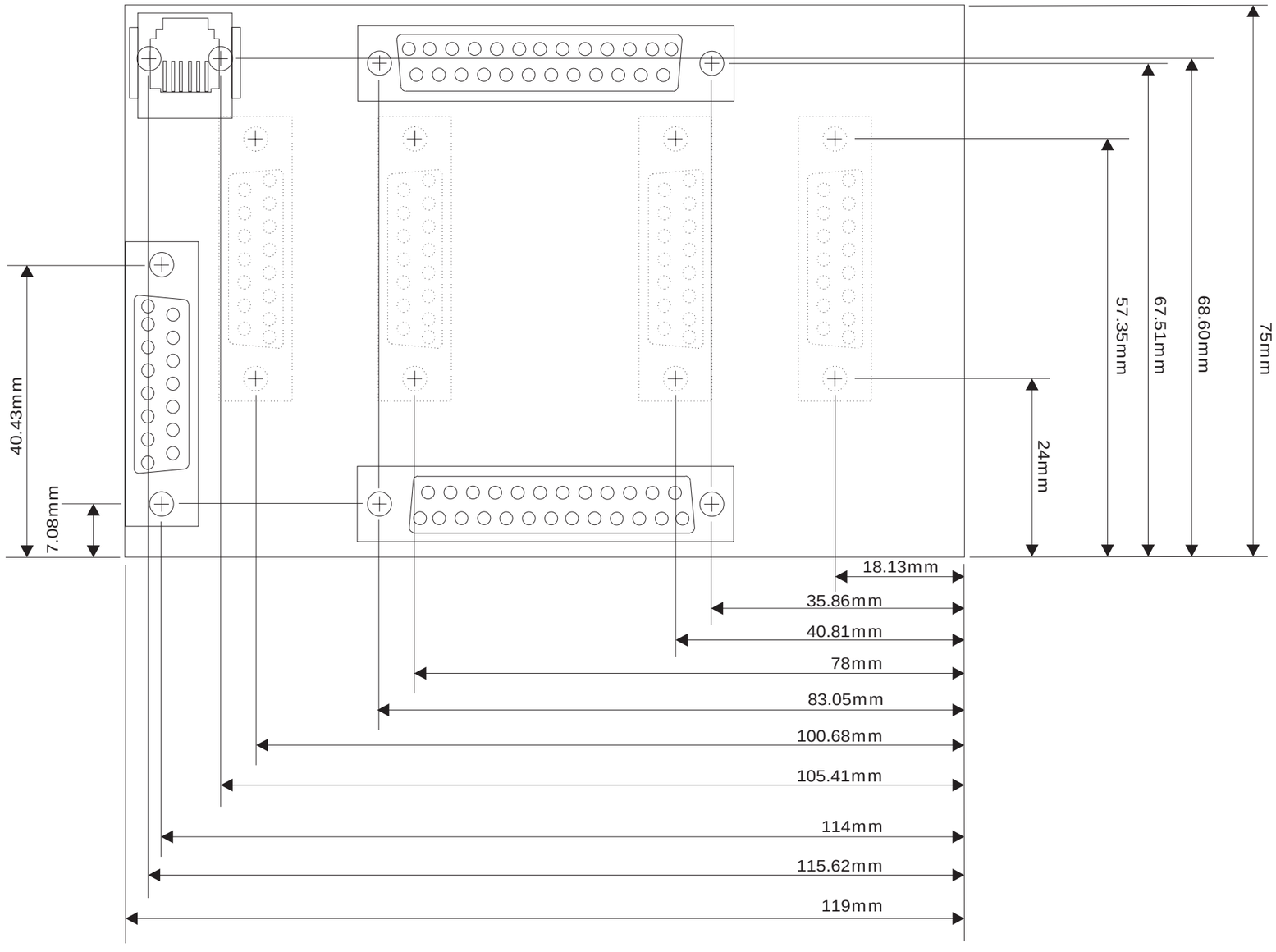
SK7 = Output Pins From Rx and Tx/Ex and PA Modules DR1 - Front View





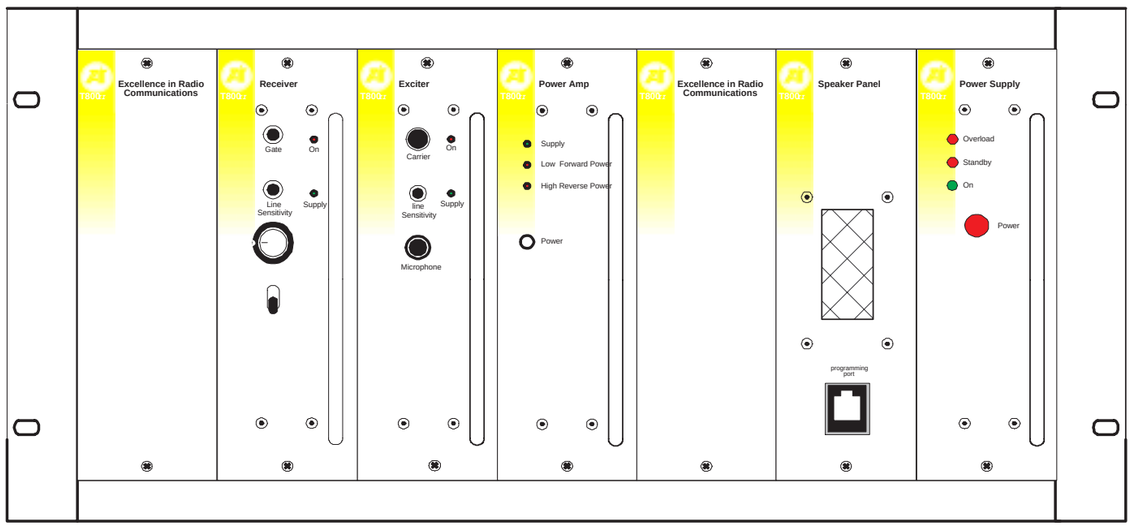
Backplane PCB Input/Output Pins

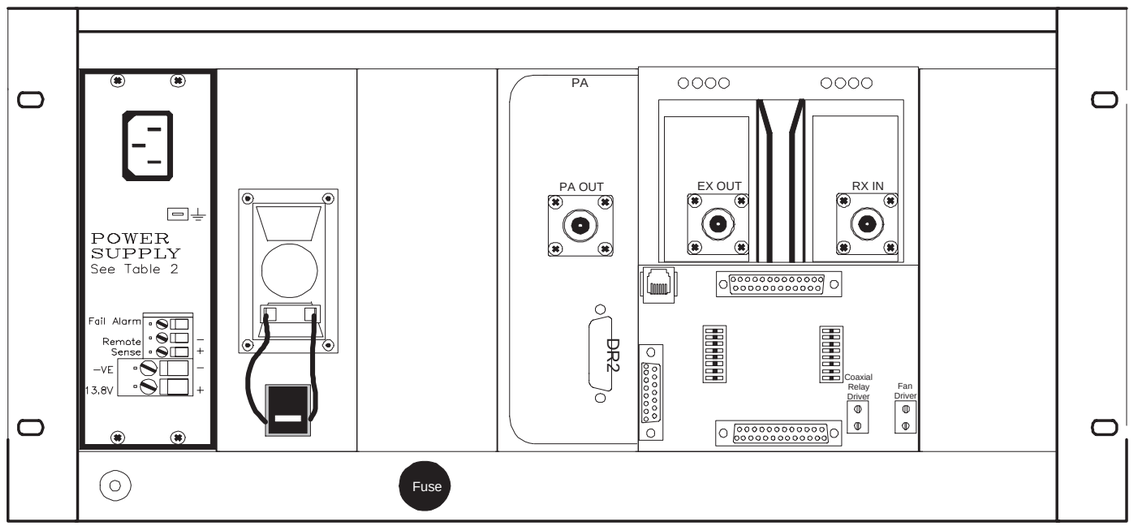
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Backplane PCB Mechanical Layout

Copyright TEL





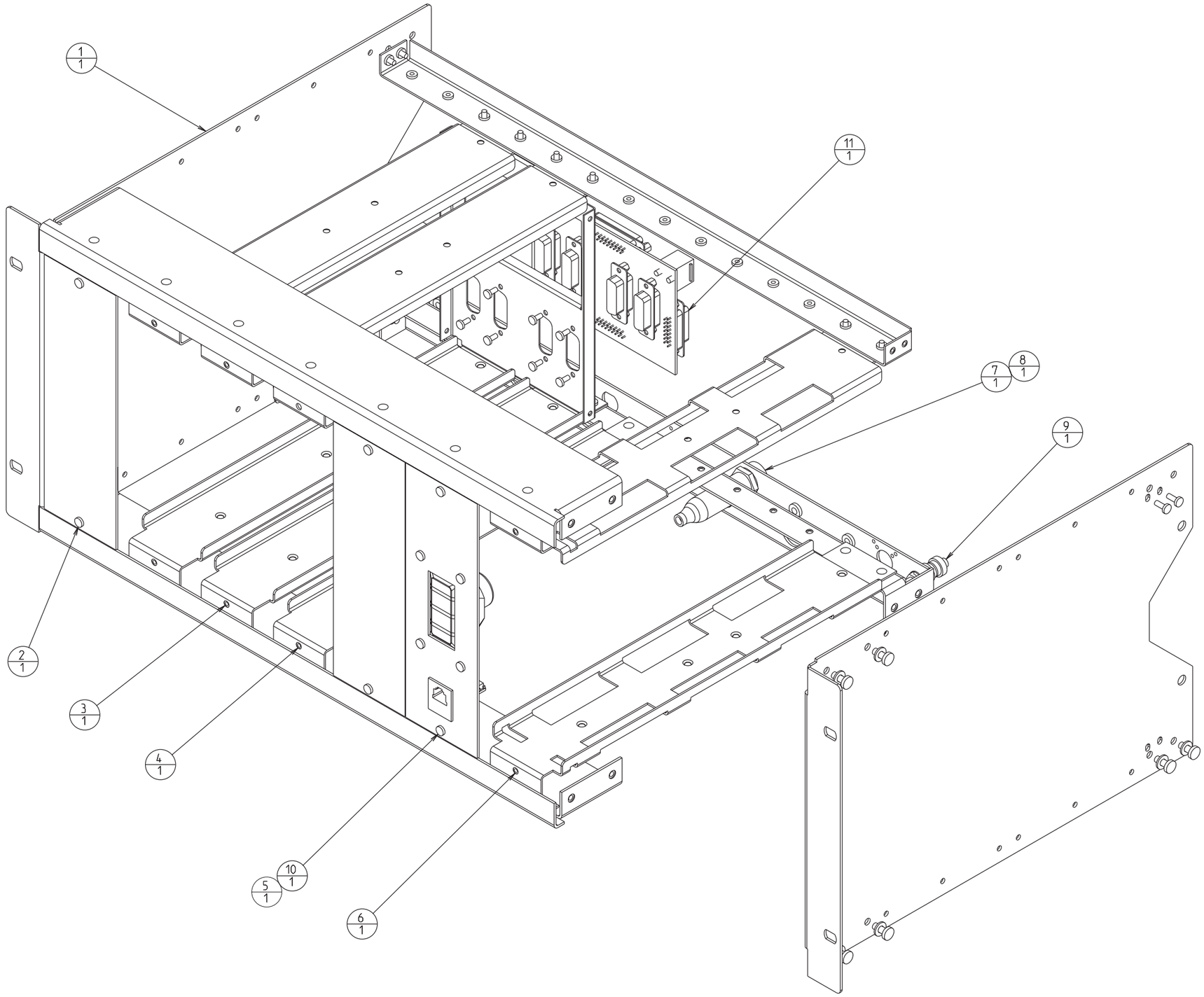
T800-22-0000 Standard

x2 Blank Front Panels
x1 T800-15-0000 Speaker Programming Panel
x1 Fuseholder
x1 Earthing Terminal
x2 Channel Selection Dip Switches
x1 Coaxial Relay Driver
x1 Coolant Fan Driver

T800-22-0000 Options

316-06615-00	Blank Front Panel
T800-01-0000	T800 Standard Programming Kit with PGM800WIN and Lead
T800-15-0001	Speaker Front Panel
T800-13-0000	Extender Rail Kit with x2 D-ranges Fitted.
T800-19-0000	Fan Kit - Rail Mounted (As SeriesI)
T800-19-0010	Fan Kit - Guide Mounted
T800-60-0000	Personality PCB for Monitor or Channel Selection Panels
T818-01-0000	Rx/Tx Metering and Monitor Unit
T800-43-0000	T300/T1500 Guide Kit for (T818-01-0000)
T991-06	Cabinet 6U, with Door and Lock
T004-72	Coaxial Relay
TA087-01	Channel Selection Panel, Programmable 1 to 100 channels
TA387-01	Channel Selection Panel, 1 to 10 Channels.

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Key

33/2

The upper number is the component identification number which appears in the "Legend" column of the Mechanical & Miscellaneous Parts table shown below (and on each of the followng drawings).

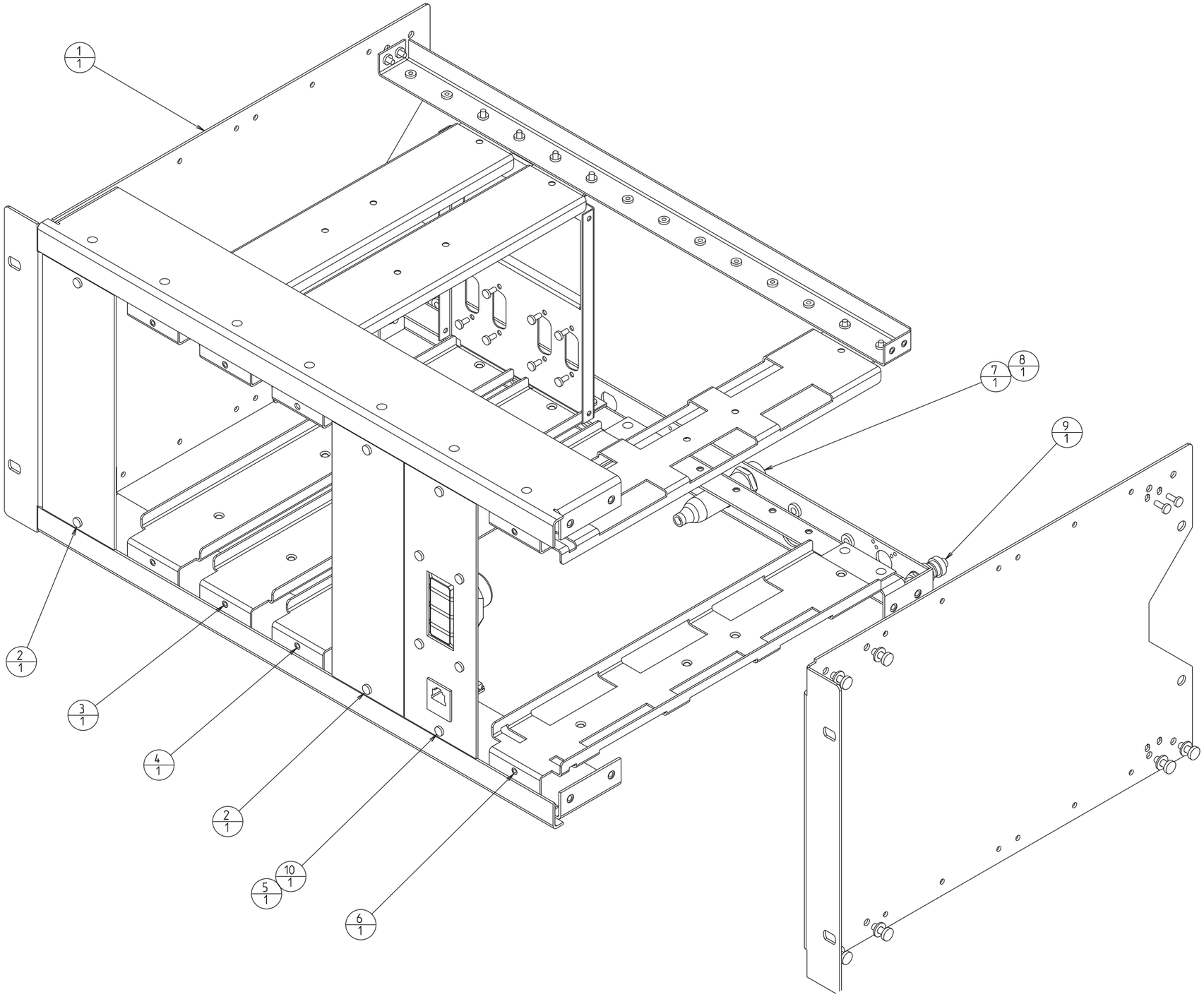
The lower number indicates how many of this component are used in this location or function.

Note that some nuts and washers, normally hidden behind other components, have been moved into view to improve the clarity of the drawing.

IPN/ Product Code	Legend	Description
T800-22-0004	1	Rack, Loom Option
T800-40-0001	2	T800 Blank Panel With Fitting Kit
T800-41-0002	3	T800 Double Guide Kit
T800-45-0000	4	T800 PA Guide Kit
T800-40-0000	5	T800 Fitting Kit Only For Blank Panel
T800-44-0000	6	T800 PS Guide Kit
340-00010-22	7	Fuseholder 30A Panel Mtg
340-00011-50	8	Cover, Fuseholder, Insulating
356-00010-61	9	Earthing Terminal
T800-15-0000	10	Speaker Panel
T800-50-0000	11	Standard Rack Backplane PCB Assembly

Standard Rack Frame With Backplane PCB
T800-22-0000 Mechanical Assembly

Copyright TEL



Key

33/2

The upper number is the component identification number which appears in the "Legend" column of the Mechanical & Miscellaneous Parts table shown below (and on each of the followng drawings).

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

Note that some nuts and washers, normally hidden behind other components, have been moved into view to improve the clarity of the drawing.

IPN/ Product Code	Legend	Description
T800-22-0004	1	Rack, Loom Option
T800-40-0001	2	T800 Blank Panel With Fitting Kit
T800-41-0002	3	T800 Double Guide Kit
T800-45-0000	4	T800 PA Guide Kit
T800-40-0000	5	T800 Fitting Kit Only For Blank Panel
T800-44-0000	6	T800 PS Guide Kit
340-00010-22	7	Fuseholder 30A Panel Mtg
340-00011-50	8	Cover, Fuseholder, Insulating
356-00010-61	9	Earthing Terminal
T800-15-0000	10	Speaker Panel

Standard Rack Frame Without Backplane PCB
T800-22-0002 Mechanical Assembly

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Gold-standard solutions

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