

5 T807/808 Functional Testing

The following test procedures will confirm that the T807/808 has been set up and adjusted correctly and is fully operational.

Refer to Figure 4.1 for test equipment details.

The following topics are covered in this section.

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5.2	Undervoltage Lockout & Mains Input Current	5.3
5.3	Output Noise	5.4
5.4	Overall Power Supply Stability	5.4

5.1 Basic Operation

To confirm the basic operation of the power supply, proceed as follows.

Set up the test equipment as shown in Figure 4.1.

Ensure the front panel "Power" switch in the **off** position. Connect the T807/808 to the mains supply. The red "Standby" LED should illuminate.

Set the output DC load to maximum resistance/minimum current.

Depress the "Power" switch to turn the T807/808 **on**. The green "On" LED should now illuminate and the red "Standby" LED should extinguish.

Vary the DC load and check that the output voltage and current are within the specifications (refer to Section 1.2.4).

5.2 Undervoltage Lockout & Mains Input Current

The figures in brackets [] are for 115V/60Hz versions of the T807/808.

Ensure the T807/808 "Power" switch is in the **off** position.

Set up the test equipment (except PS1 & PS2) as shown in Figure 4.1.

Switch on the mains supply and adjust the Variac for 230V or 115V output.

Switch the T807/808 **on** and set the DC load for maximum current (T807/15A; T808/25A).

Slowly reduce the Variac voltage from 230V [115V] until "drop-out" occurs (output current and voltage drop to zero and LED's turn off).

Check that the AC input current and voltage at "drop-out" are as follows:

input current	T807: <2.5A [$<4A$] T808: <4A [$<6A$]
voltage	<185V [$<95V$]

Slowly increase the Variac voltage and check that the supply turns on again at approximately 10V [5V] above "drop-out" voltage.

Note: Some on/off oscillation may occur around this voltage point, particularly with a relatively high mains impedance (Variac, mains transformer, etc.) and the power supply load being set to maximum current. Increasing the mains supply by a few volts should turn the supply fully on.

5.3 Output Noise

Set up the test equipment (except PS1 & PS2) as shown in Figure 4.1.

Connect a digital voltmeter (e.g. Fluke 77) across the load terminals and set the meter to its lowest AC volts range.

Check that the reading is <10mV AC for both the T807 and T808 under all load and line conditions.

Note: A **real** reading of the level of noise present on the output of a switching power supply is very difficult to obtain, as low noise levels, common mode noise paths and ground loops all lead to inaccurate measurement results. The procedure outlined above will, however, give a good indication of the output noise.

5.4 Overall Power Supply Stability

Connect the oscilloscope across the output.

Vary the mains voltage and DC load over the full specified range (refer to Section 1.2).

Check on the oscilloscope that no oscillations occur.

Check that no audible noise can be detected, except with open and/or short circuit loading on the output.

6 T807/808 Fault Finding

The following test procedures and fault finding flow charts may be used to help locate a hardware problem, however they are by no means a complete fault finding procedure. If the fault still exists after having progressed through them in a logical manner, contact your nearest authorised Tait Dealer or Service Centre. Further assistance may be obtained from the Customer Support Group, Radio Infrastructure Division, Tait Electronics Ltd, Christchurch, New Zealand.

The following topics are covered in this section.

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6.1 Visual Checks

Disconnect the power supply from the mains and wait 5 minutes before removing both covers.

Inspect the PCB for damaged or broken components, paying particular attention to the surface mounted devices (SMD's).

Check for defective solder joints. If repair or replacement is considered necessary, refer to Section 3 of Part A.

Check the fuse. If it is blown, check that the correct rating and type was fitted and fit a new fuse of the correct rating.

Note: If the fuse was of a lower rating and there are no signs of component damage, it may be worthwhile fitting a new fuse, replacing the covers and switching the supply on. If the new fuse blows, proceed with fault finding as described in the following sections.

6.2 Component Checks

6.2.1 General

If a transistor is suspected of faulty operation, an indication of its performance can be assessed by measuring the forward and reverse resistance of the junctions. First make sure that the transistor is not shunted by some circuit resistance (unless the device is completely desoldered). A 20k ohm/V or better multimeter should be used for taking the measurements, using only the medium or low resistance ranges.

The collector current drawn by multijunction transistors is a further guide to their performance.

If an IC is suspect, the most reliable check is to measure the DC operating voltages. Due to the catastrophic nature of most IC failures, the pin voltages will usually be markedly different from the recommended values in the presence of a fault. The recommended values can be obtained from either the circuit diagram or the component data catalogue.

6.2.2 Initial Checks

Some components are more likely to be at fault than others and it is recommended that the following are checked first:

D46 (Issue 03)	If short circuited, replace and confirm with a DVM that the impedance on the output terminals is >1k ohm.
Q1 & Q2	Check for shorts between any 2 terminals. If either device is faulty, replace both along with D14, D15, D18 and D19. Also check R17 and R19 - these will often go faulty along with Q1 or Q2, sometimes with no external indication.
Q1, Q2 & D43	Check and confirm that they are isolated from their respective heat-sinks.
R2 & R49	Check their resistance is >1M ohm.
R3	Check and replace if the resistance is >15 ohms.
IC2	Check by applying 20V DC across C37 and measuring for 15V at TP5. If no voltage is present at TP5, measure at IC2 pin 3. If there is still no voltage, replace IC2. If 15V is present, check TC1 connections. Replace if in doubt.
VREF	Check VREF is 5.1V +_1%.

6.3 Common Faults

Switch the T807/808 off, and then on, and check for the following faults:

Symptoms	Possible Causes
No LED's light up No output	no mains supply low mains supply voltage* thermal cut-out has operated (equipment has overheated)* fuse blown defective switching circuitry
On standby red "Standby" LED lights up, but no output and no LED's light up when power switch set to <i>on</i>	defective switching circuitry
Red "Standby" LED lights up Green "on" LED lights up but no output when power switch set to <i>on</i>	short circuit across output overvoltage protection diode has gone short circuit# defective power supply output section

*The fan in the T808 will continue to run.

#Issue 03 only.

6.4 Further Fault Finding & Run-up Procedure



Warning: The T807/808 is not a conventional power supply and the potential for lethal accidents is very real. It is imperative that the following procedures are followed precisely and under no circumstances must any short cuts be taken. These procedures have been carefully designed to minimise the danger to service personnel and deviation from them will only compromise the safety of all concerned. Wear safety goggles while running up or working in close proximity to the T807/808.

Because of the dangers involving off-line power supplies, it is suggested that the following procedures are followed, both after repairs have been carried out and for further fault finding. These procedures should be carried out only by suitably qualified personnel.

Refer to Figure 4.1 for test equipment details, ***paying particular attention to the cautions listed in Chapter 4.1.***

Note: The figures in brackets [] refer to 115V/60Hz versions of the T807/808.

6.4.1 Voltage Control Loop Checks

Ensure that the mains input supply is disconnected from the T807/808 (hereafter referred to as the "PSU") and the "Power" switch is set to ***off***.

Apply 15V from an external power supply (PS1) to the anode of D30 (+) and TP4 (-).

Check that the red "Standby" LED is ***on***.

Check ***on the T808*** that the fan is running.

Switch the PSU on and check that it does not draw excessive current (<400mA) from PS1.

The red "Standby" LED should turn ***off***.

Check that the voltage on pin 1 of IC3 is <0.5V.

If the voltage is high (approximately 15V), momentarily increase the PS1 voltage to 18V and then reduce it to 15V. If the voltage at pin 1 is still high, check for circuit faults.

Using an oscilloscope with the probe ground connected to TP4, check the voltage waveform at TP6 and TP7 is as shown in Figure 6.1.

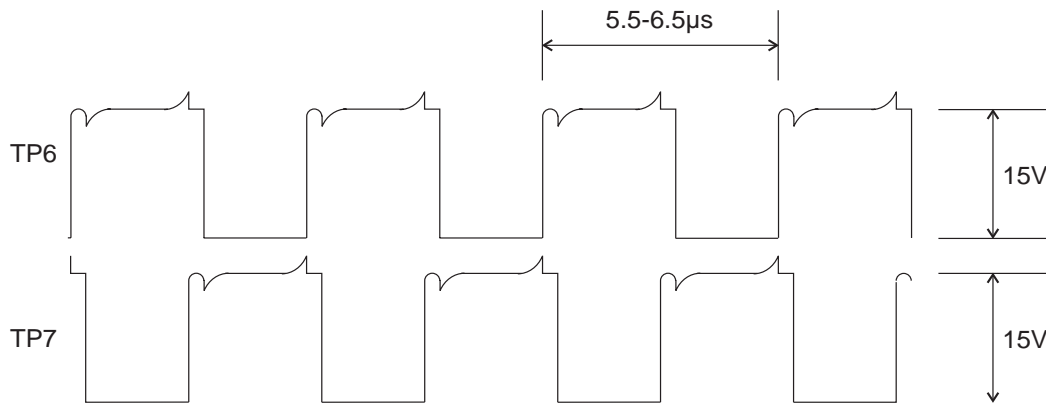


Figure 6.1 TP6 & TP7 Voltage Waveforms

Note: Voltage spikes on the above waveforms are shown for a T807. These spikes appear with larger magnitude on a T808.

Switch the PSU off and on, confirming that the waveform's duty cycle starts at 0 and slowly increases to 50%.

Check that after a short delay (approx. 0.25 seconds), the waveform shows signs of noise jitter (refer to Figure 6.2). This jitter indicates that the noise modulator is operating satisfactorily.

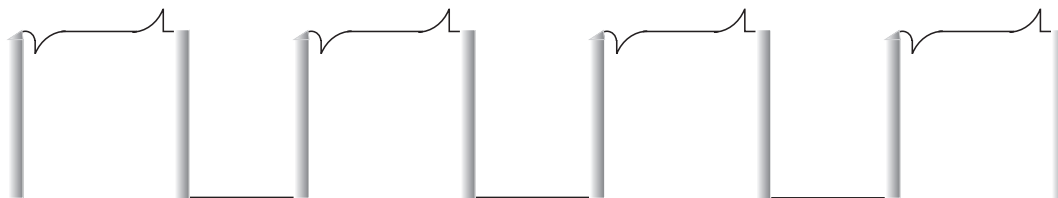


Figure 6.2 Voltage Waveform Noise Jitter

Connect a second variable power supply (PS2) to the **remote sense** terminals of the PSU.

Note: **Issues 05 & 07 Only.** Turn RV81 fully clockwise.

Turn RV92 fully clockwise and, whilst observing the waveform at TP6 or TP7, slowly increase the voltage.

Check that at approximately 10-11V the waveform suddenly reduces in duty cycle and disappears altogether.

Turn RV92 anticlockwise and check that the waveform reappears.

Turn RV92 fully anticlockwise and increase the voltage until the waveform disappears. At this point the voltage should not exceed 16.5V. Reducing the voltage should always make the waveform reappear.

Turn RV92 fully clockwise.

This confirms the basic operation of the voltage control loop. Remove the second variable power supply from the PSU remote sense terminals and disconnect the oscilloscope (refer to Note 1 on page 6.5).

6.4.2 Start Up Voltage Checks

Ensure the switch (or link) is set to the correct mains voltage.

Turn RV25 fully clockwise.

Connect the Variac output (set to minimum output voltage) to the PSU AC input socket.

Increase the Variac output slowly whilst monitoring the AC current which should remain low at this point.

Continue increasing the voltage to approximately 60V AC [30V AC].

Check that approximately 3V is now present at the PSU output and that the "On" LED is glowing.

Check with a multimeter that the DC voltage between TP1 and TP4 is approximately 80V and between TP2 and TP4 is half of that figure $\pm 5V$.

Note: If the voltage difference is outside tolerance, disconnect the Variac from the PSU, **wait for the voltages to drain away**, and inspect the circuitry for the cause.

Warning: **Do not proceed until the cause is found, rectified and satisfactory results obtained.**
High voltages and therefore high energies exist on C9-C12 that can result in spectacular if not harmful explosions of the capacitors and/or transistors (Q1 & Q2).

Increase the AC input and check that RLY1 activates at approximately 8V output. If the relay has not activated at 9V, investigate and rectify before proceeding.

Note: To prevent R3 overheating, it is essential to check that RLY1 has activated **before** proceeding any further.

Connect a variable DC load to the PSU output and monitor the output current.

Increase the load and check that the current limits to approximately 10A (T807) or 17A (T808).

Adjust RV25 to observe the operation of the current limit circuitry.

Return RV25 to the fully clockwise position and remove the load.

Increase the AC voltage and check that at approximately 120V AC [60V AC] the PSU output voltage stabilises at approximately 10V DC.

Check with a multimeter that the DC voltage between TP1 and TP4 is approximately 160V and between TP2 and TP4 is half of that figure $\pm 5V$.

Note: If the voltage difference is outside tolerance, disconnect the Variac from the PSU, **wait for the voltages to drain away**, and inspect the circuitry for the cause.

Continue increasing the AC voltage.

Check that at approximately 180V AC [90V AC] the current supplied by the external 15V supply (PS1) begins to reduce as the internal supply starts taking over.

Continue increasing the voltage to 200V AC [100V AC] and disconnect the external power supply.

Check that the PSU continues to function normally. If not, check the components associated with T4.

Fit the top cover loosely in place.

6.4.3 Current Limit Checks

Apply a load of approximately 1A to the output terminals.

Check that the AC input current is within acceptable limits.

Increase the current through the load and check that the current limit is still functioning.

Adjust the current limit for 16A (+0, -0.5A) in the T807, or 27A (+0, -1A) in the T808.

Note: **Issues 05 & 07 Only.**

Check "Overload" LED illuminates when the load is increased to current limit set point $-0.5A \pm 0.5A$.

Adjust load current to 15A (T807) or 25A (T808).

Adjust RV92 for 15V DC output.

Slowly adjust RV81 so that the power supply just trips out. The "On" LED and "Overload" LED will flash on and off.

Reduce the current through the load to 1A and adjust RV92 for 13.8V output.

Check the current limit again and adjust slightly if necessary.

Check also that the short circuit current limit is functioning.

Check that the AC current is within limits at full output and run the PSU for a few minutes at 200-260V AC (230V typical) [100-130V AC (115V typical)].

Switch off, disconnect from the mains and inspect for any signs of overheating.

Reassemble as described in Section 3.2.4.

This completes the run-up and fault finding of the T807/808.

7 T807/808 Installation

The following section gives a brief description of the basic rack mounting and wiring procedures.

The following topics are covered in this section.

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7.1 General

The DC output wiring must be of sufficient gauge to carry the current required without excessive voltage drops, i.e. $0.5V$ in total, even with remote sensing connected. The minimum recommended wire sizes are as follows:

T807 (15A rated output current):	2.0mm (e.g. 152/153 auto cable)
T808 (25A rated output current):	3.0mm (e.g. 154/155 auto cable), or 2 runs of 2.0mm cable

Use only an IEC type connector for normal mains input wiring and ensure that this wiring has a current rating of at least 5A for the T807 and 10A for the T808.

The output is factory set to 13.8V (no remote sense connected; refer to Section 4.3.2) and the current limit set to 16A for the T807 and 25A for the T808. Refer to Section 4.3.3 if it is necessary to change these values.

7.2 Rack Mounting

The T807/808 is designed for use in a standard 483mm rack frame using the supporting guide rails supplied with the units. **Do not** install this unit with any other type of guide rail, as this may prevent adequate ventilation through and past the unit.

The lower guide rail is located in the rack frame with three screws, two at the rear and one at the front. The short upper guide rail is located with just one screw. The unit is secured into the guide with two front panel mounting screws.

Although the T807/808 is a high efficiency switching power supply, a considerable amount of heat is generated during normal operation. An adequate flow of cooling air is therefore essential for reliable operation. **Do not** operate this unit in a completely enclosed cabinet.

If continuous operation at high ambient temperatures is necessary, forced air cooling is recommended for additional reliability. It is estimated that the average life expectancy of this unit will double with every 10°C drop in ambient temperature.

7.3 Rack Frame Earthing

The power supply case is internally connected to mains earth. Because the unit's case and the rack frame in which it is usually installed are painted, a secure electrical earthing connection between the unit and the rack is **not** guaranteed (i.e. it is reliant on breaking through the paint coating).

It is therefore strongly advised that an additional and secure electrical connection is provided by means of the supplied earth lead (see below). Failure to do so may result in harmful voltage potentials between the power supply and rack frame, and/or miscellaneous power supply switching noise problems in both receivers and transmitters.

Fit the "push-on" connector on one end of the earthing cable onto the earthing tab at the rear of the power supply.

Fit the slotted spade connector on the other end of the cable under a conveniently located screw on the rack frame. Ensure by testing continuity that a secure electrical and mechanical connection is achieved.

Alternatively, the slotted spade connector can be cut off and the earth wire fitted to a -DC rail terminal, either on the rear of the power supply or on a -DC rail (0V) terminal nearby. This should be done only if a mechanically and electrically secure connection between -DC rail and the rack frame is installed as part of the system.

7.4 Noise Interference Suppression Earthing

7.4.1 Introduction

The problem of noise interference may occur in installations which include T300 series receivers and T807/808 power supplies. The procedures outlined in the following Sections will minimise the possibility of noise interference from three main sources:

noise directly picked up via the aerial system if the receive aerial is within approximately 3 metres of the power supply;

noise directly radiated into the receiver;

noise carried via the 13.8V line to the receiver.

These procedures should also be followed to ensure that both the individual units and the rack frame are earthed to mains earth for reasons of mains safety.

7.4.2 Mounting

The T807/808 should be mounted as far as possible from the receiver, i.e. in a typical repeater system there should be a transmitter, duplexer and speaker panel between the power supply and the receiver. Mount the aerial at least 3m from the T807/808.

7.4.3 Earthing

Ensure that all the individual units (receiver, transmitter, power supply) are earthed to the front of the rack via the front panel and the rear of the rack frame via a separate earthing strap.

T807/808 power supplies already have the front panel earthed to the chassis. On other units, a small amount of paint may need to be removed from the back of the front panel

around the button head screws to ensure a good earthing contact. The upper and lower M3 x 8mm front panel mounting screws require M3 internal shakeproof washers (IPN 353-00010-13) to break through the paint and earth the front panel to the rack.

T807/808's manufactured after June 1991 have an earth terminal at the rear of the unit which should be connected securely to earth. Other units will require a strap from the chassis earth to the rack in the immediate vicinity of the unit. This can be done via the negative rail for each unit.

7.4.4 Filtering

The 13.8V supply to the receiver can be filtered to prevent noise entering and desensitising the receiver.

Fit one Tait No. 8 inductor (IPN 056-00010-08) in the positive lead and one in the negative lead.

Note: Fit the inductors to the receiver supply leads only. The maximum current handling capability of the No. 8 inductor is less than the T807/808 maximum output current.

7.5 Float Charging A Battery

The T807/808 power supply can be used to float charge a 12V battery under constant voltage conditions (e.g. a conventional lead acid battery). The current limit circuit will prevent the charging current from becoming excessive if the battery connected is completely discharged.

For short circuit and reverse polarity protection, it is essential that a fuse of suitable rating (15A in T807 and 25A in T808) is inserted in the battery line.

Issue 05 & 07. The T807/808 contains an internal rectifier diode (**D43**) which will protect the power supply by blowing the fuse if a battery is accidentally connected in reverse.

Issue 03. The T807/808 contains a 16V transient suppression diode (**D46**) across the output which will protect the power supply by blowing the fuse if a battery is accidentally connected in reverse.

A series charging diode is not required to isolate the battery from the power supply in the case of mains failure, as the reverse discharge current back into the supply is <5mA.

Note: The T807/808 does not compensate for the temperature dependence of lead acid batteries. The output voltage will need to be adjusted to suit the battery and ambient temperature.

7.6 Output Voltage Remote Sensing

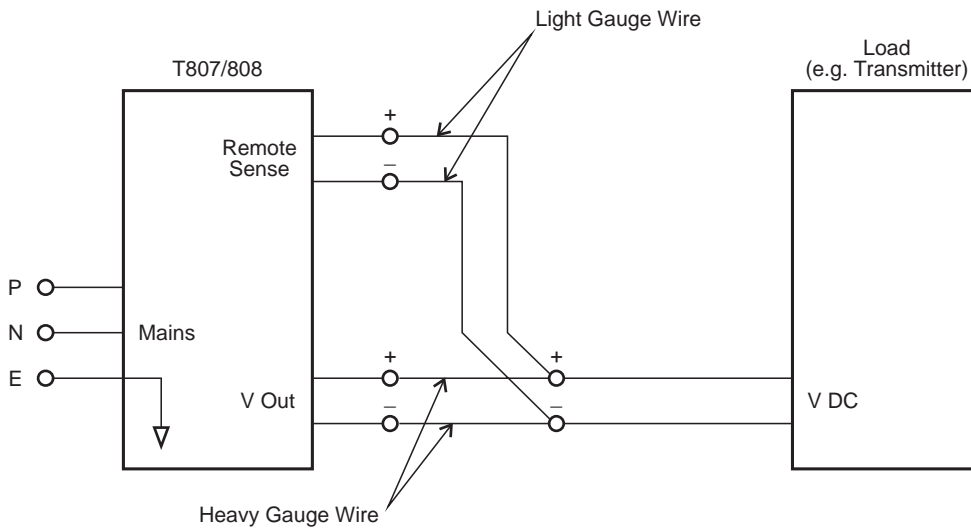


Figure 7.1 Output Voltage Remote Sensing

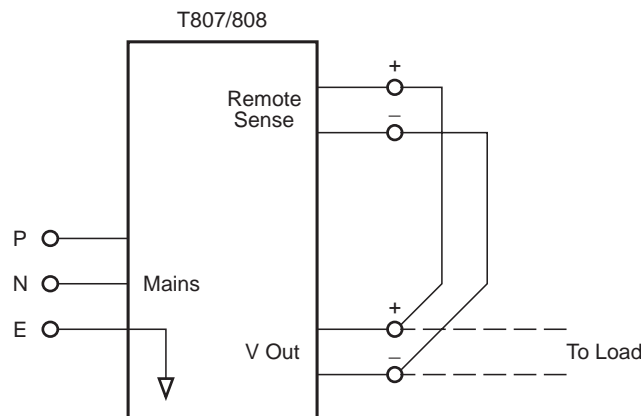


Figure 7.2 ±1% Constant Output Voltage By "Local Sensing"

To maintain the supply voltage within a tolerance of $\pm 1\%$ at the load terminals (e.g. transmitter), remote sensing is provided on 2 extra screw terminals at the rear of the T807/808.

To keep power dissipation in the supply output wiring **and** the power supply to a minimum, it is recommended that the output wiring is of sufficient gauge to limit the voltage difference between V_{out} and V_{DC} to a maximum of 0.5V (refer to Figure 7.1).

Note: *Issue 05 & 07 Only.* The overvoltage protection pot RV81 may need to be readjusted if maximum current is drawn and long leads are used to the voltage sense points.

To maintain the voltage within a tolerance of $\pm 1\%$ at the power supply output terminals, it is recommended that the remote sense terminals are connected directly to the output

terminals (refer to Figure 7.2).

Note 1: Ensure that the remote sense connections are made with the correct polarity (i.e. "+" to "+" and "-" to "-") before the mains supply is connected. Shorting of the remote sense connections on a running supply **before** they are connected to the output wiring will result in the destruction of the T807/808 overvoltage diode, D46 (refer to Note 4 below).

Note 2: As the output voltage is factory set to 13.8V with **unconnected** remote sense terminals, connection of these terminals will result in a slight change in the nominal output voltage (i.e. from 13.8V to approximately 13.5V). If required, the nominal output voltage can be readjusted (refer to Section 4.3.2).

Note 3: When remote sensing and float charging are set up as part of a system, it is recommended that the actual battery charging voltage is close to 13.8V (or its temperature compensated equivalent). Voltages above or below the nominal float charge value will mean either the battery is overcharged (high voltage) or never fully charged (low voltage).

Note 4: When a fuse and/or switch is fitted in the output wiring between the power supply and the load, it is essential that the remote sensing is connected to the **power supply side** of the switch or fuse, as shown in Figure 7.3.

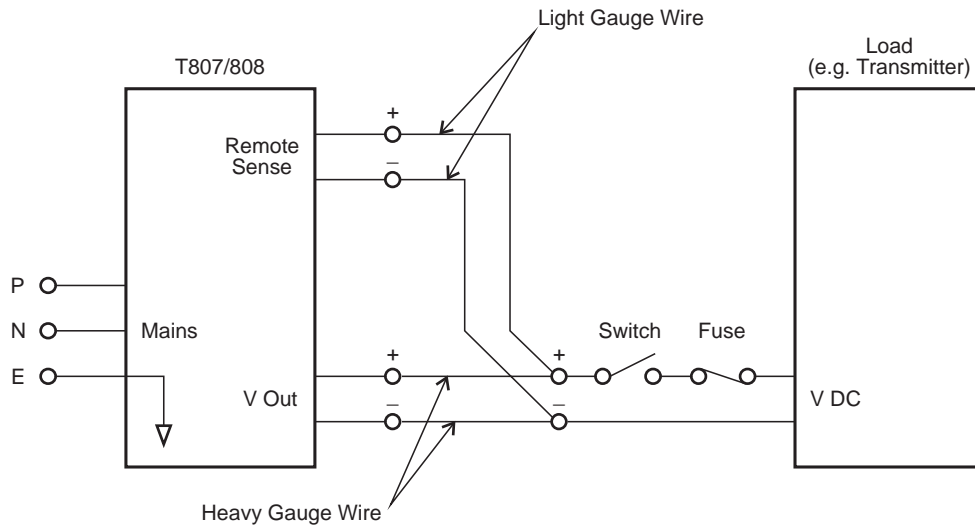


Figure 7.3 Output Voltage Remote Sensing With Fuse And/Or Switch

Failure to do this will result in the destruction of the main rectifier diode D43 (**Issues 05 & 07**) or the overvoltage diode D46 (**Issue 03**), in the T807/808 when the fuse or switch is open. This happens when the power supply "sees" 0 volts across the remote sense terminals and the output voltage is then increased to compensate for the apparent reduction of output voltage.

7.7 Parallel Operation

T807/808 power supplies may be operated in parallel as follows:

Set the output voltages to within 0.1V of each other.

Connect the supplies together with equal lengths of output wire.

Note: With very light or no load, only one power supply may have its "On" LED illuminated. This is normal and the LED's on the other supplies will illuminate as soon as the load is increased.

7.8 Mains And/or Power Supply Failure Alarm

A mains and/or power supply failure alarm output signal (to -DC rail/0V) is available on the T807/808 rear panel for system monitoring purposes.

Mains & power supply OK: approx. +Vout (via 1k resistor - typ. 13.8V)

Mains &/or power supply failure: approx. -Vout (via 11k resistors - typ. 0V)
(with or without a battery across main DC output)

This alarm output can be directly connected to an optocoupler input of a T802 remote monitor unit.

8 T807/808 PCB Information

This section provides parts lists, exploded views of the mechanical assemblies, grid reference indices, PCB layouts and circuit diagrams for three distinct issues (-03, -05 and -07) of the T807/808 Switching Power Supplies. There is also a parts list, PCB layout and circuit diagram for the Noise Modulator PCB which solders onto TP4 of the issue -03 Power Supply PCB. The noise modulation circuit was incorporated into all Power Supply PCBs from issue -05 onwards.

The T807 and T808 are built on a common main PCB, though certain components have different values. While we have provided individual parts lists for each product, all other information provided in this section pertains to both products, with the different value components clearly indicated with an asterisk.

This section contains the following information.

Section	Title	IPN	Page
8.1	Introduction		8.1.3
8.2	T807/808 Switching Power Supply PCB	220-01183-03	8.2.1
	T807/808 Noise Modulator PCB	220-01268-00	8.2.21
	T807/808 Switching Power Supply PCB	220-01183-05	8.2.25
	T807/808 Switching Power Supply PCB	220-01183-07	8.2.43

8.1 Introduction

PCB Identification

All PCBs are identified by a unique 10 digit number, the last 2 digits of which define the issue status. The issue status starts at 00 and increments through 01, 02, 03, etc. as the PCB is updated. Some issue PCBs never reach full production status and are therefore not included in this manual. A letter following the 10 digit IPN has no relevance in identifying the PCB for service purposes.

Parts Lists

The 10 digit numbers (000-00000-00) in this Parts List are “internal part numbers” (IPNs). Your spare parts orders can be handled more efficiently if you quote the IPN and provide a brief description of the part.

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc.) and those without (miscellaneous and mechanical).

Those with a circuit reference are grouped in alphabetical order and then in numerical order within each group. Each component entry comprises three or four columns, as shown below:

Ref	Var	IPN	Description
C126		015-06100-08	CAP CER 1206 CHIP 100N 10% X7R 50V
C127		020-09220-01	CAP ELECT RADL 220M 16V 10X12.5MM
C128		015-06100-08	CAP CER 1206 CHIP 100N 10% X7R 50V
C129		015-06100-08	CAP CER 1206 CHIP 100N 10% X7R 50V
&C130	10	015-25100-08	CAP CER 0805 CHIP 10N 10% X7R 50V
&C130	15	015-24470-08	CAP CER 0805 CHIP 4N7 10% X7R 50V
&C130	20	015-25100-08	CAP CER 0805 CHIP 10N 10% X7R 50V
&C130	25	015-24470-08	CAP CER 0805 CHIP 4N7 10% X7R 50V
C131		015-24100-08	CAP CER 0805 CHIP 1N 10% X7R 50V
C132		015-24470-08	CAP CER 0805 CHIP 4N7 10% X7R 50V
C133		015-05470-08	CAP CER 1206 CHIP 47N 10% X7R 50V

circuit reference - lists components in numerical order
 variant column - indicates that this component is fitted only to this variant
 description - gives a brief description of the component
 Internal Part Number - order the component by this number

The miscellaneous and mechanical section lists the variant and common parts in IPN order.

Grid Reference Index

To assist in locating components and labelled pads on the PCB layouts and circuit diagrams, a component grid reference index has been provided. This index lists the components and pads in alphabetical order, along with the appropriate alphanumeric grid references, as shown below:

Device	PCB	Circuit
C126	2:A6	2-R7
C127	1:A8	2-P4
C128	2:B7	2-P2
C129	2:C12	2-E3
&C130	2:D8	2-B8
C131	2:C9	2-H6
C132	2:D8	2-B8
C133	2:D6	2-E1

Using CAD Circuit Diagrams

Reading a CAD circuit diagram is similar to reading a road map, in that both have an alphanumeric border. The circuit diagrams in this manual use letters to represent the horizontal axis, and numbers for the vertical axis. These circuit diagram “grid references” are useful in following a circuit that is spread over two or more sheets.

When a line representing part of the circuitry is discontinued, a reference will be given at the end of the line to indicate where the rest of the circuitry is located. The first digit refers to the sheet number (printed on the bottom right hand corner of the CAD diagram) and the last two characters refer to the location on that sheet of the continuation of the circuit (e.g. 1-D4).

If more than one line is represented (indicated by a double thickness line), a dot with a reference label will follow the route each individual line represents.

8.2 T807/808 Power Supply PCB

This section contains the following information.

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T807 Parts List (IPN 220-01183-03)

How To Use This Parts List

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc) and those without (miscellaneous and mechanical). Static sensitive devices are prefixed with (S).

Those with a circuit reference are grouped by component type in numerical order. Each component entry comprises three or four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this component is fitted only to that variant.

The miscellaneous and mechanical section lists the parts in IPN order and where possible the legend indicates their position on the exploded view.

Parts List Amendments

R13A Changed from 10E to 68E (94/06-301).
 R93 Changed from 1K to 910E (94/06-301).
 R1 & R85 Changed from 030-08100-30 to 030-08100-31 due to incorrect voltage rating of the original (93/07-348).
 R1 & R85 10M added to underside of PCB to meet BABT high voltage requirements (93/04-202).
 D43 Changed from MBR20100 (001-00011-44) to 30CPQ90 to meet BABT high voltage requirements (93/04-202).
 FC1 & FC2 (Fuseholders) changed from 6.3mm (340-00010-06) to 5mm, due to being the wrong size (93/04-181).
 C23 Changed from 020-08470-07 to -09 due to high profile of the original (92/10-742).

Important mechanical assembly changes to this issue are as follows:

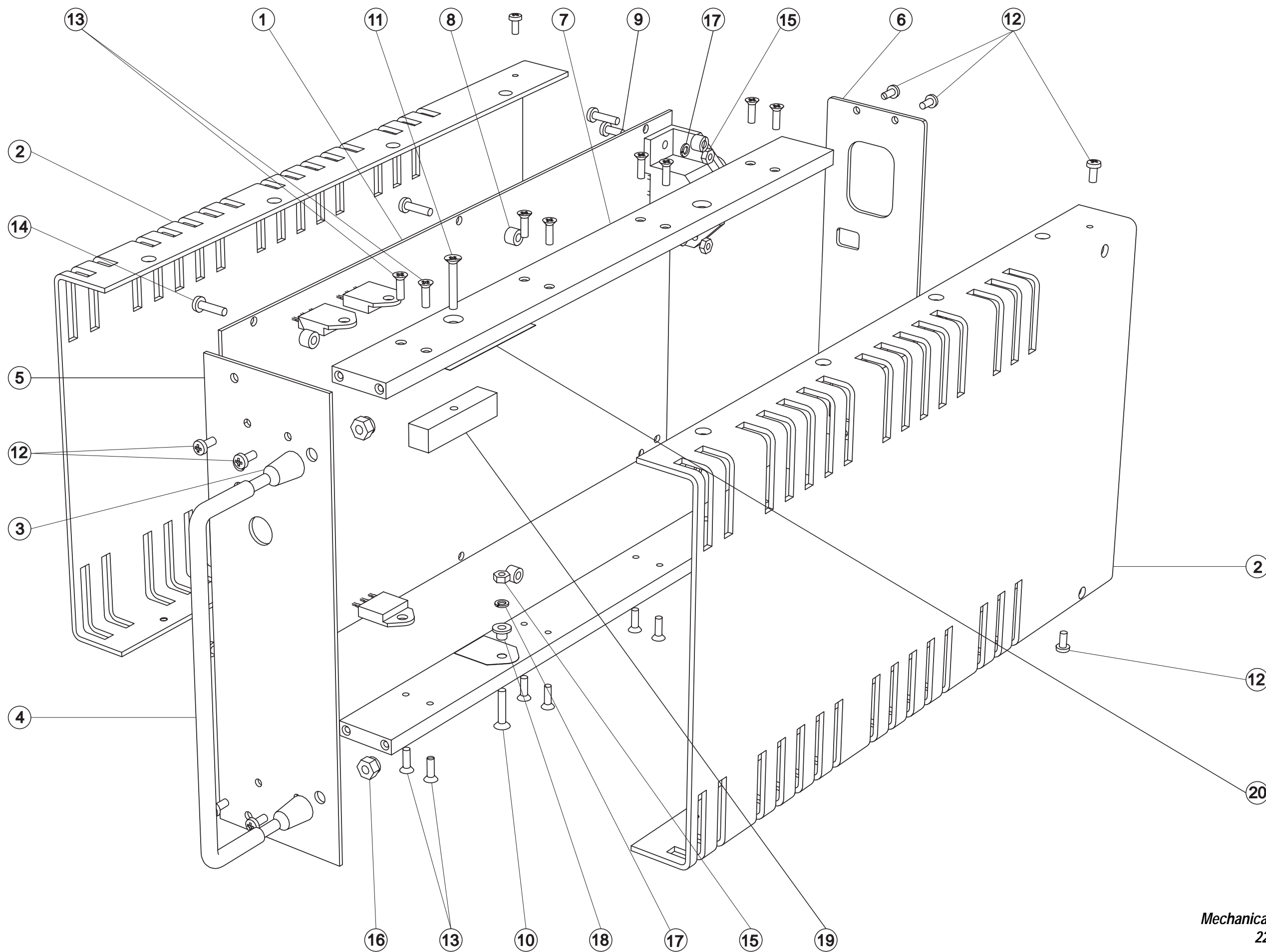
Sidecover Changed from 303-23128-00 to -01. Width increased by 0.5mm to pass BABT high voltage test (94/05-243).
 Spacer Changed from 319-30030-00 to -01. Length increased by 0.5mm to pass BABT high voltage test (94/05-243).
 Screw 4-40 1/4" Changed from 349-00020-06 to -07 (5/16") due to obsolete component (93/08-410).
 Gasket 362-00010-07 replaced by insulator 54*30 (362-01024-00) to meet BABT high voltage requirements (93/04-202).

Ref	Var	IPN	Description	Ref	Var	IPN	Description
C1		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED	C60		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V
C2		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED	C61		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S
C3		022-06470-04	CAP MYLAR 470N 10% 250VAC	C62		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C4		022-06470-04	CAP MYLAR 470N 10% 250VAC	C63		022-57100-02	CAP MYLAR AI 1M 20% 50V POTTED
C5		012-04220-06	CAP CER 2N2 3-PIN SUPPR FLTR	C65		020-09470-07	CAP 470M 16V 20% ELEC VERT 8*20 3.5MM L/S LO-ESR
C6		012-04220-06	CAP CER 2N2 3-PIN SUPPR FLTR	C66		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C9		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	C67		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C10		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	*C68		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C11		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	*C69		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C12		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	*C70		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C13		024-06680-08	CAP POLYPR AXIAL 680N 20% 250VDC	*C71		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C14		024-06680-08	CAP POLYPR AXIAL 680N 20% 250VDC	*C72		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C15		010-03220-03	CAP CER 220P 10% T/C B 6KV	*C73		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
C16		025-07100-01	CAP TANT BEAD 1M 35V	C74		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C17		011-53470-02	CAP CER AI 470P 10% T/C B 63V	C75		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C20		010-04100-04	CAP CER 1N 10% T/C B 400V	C78		020-09820-01	CAP 820M 16V ELECT 10X25MM
C21		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C79		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C22		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C80		010-04100-04	CAP CER 1N 10% T/C B 400V
C23		020-08470-09	CAP ELECT RADL 47M 16V 10X18MM HI TEMP	C81		010-04100-04	CAP CER 1N 10% T/C B 400V
C24		020-07100-04	CAP ELECT RADL 1M 63V 8X12MM HI TEMP	C82		010-04100-04	CAP CER 1N 10% T/C B 400V
C25		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	C84		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C26		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C85		011-52330-01	CAP CER AI 33P 5% N150 50/63V
C27		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C86		022-54100-10	CAP MYLAR AI 1N 5% 63V POTTED
C31		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C87		022-54220-10	CAP MYLAR AI 2N2 5% 63V POTTED
C32		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C88		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED
C33		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C89		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C34		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	C90		010-04100-04	CAP CER 1N 10% T/C B 400V
C37		020-19220-04	CAP 2200M ELEC 35V 16X35 L ESR	C91		010-04100-04	CAP CER 1N 10% T/C B 400V
C38		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C95		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C39		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D1		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C42		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D2		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C43		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D3		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C44		025-07100-01	CAP TANT BEAD 1M 35V	D4		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C45		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D5		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C46		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D6		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C49		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D7		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C50		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D8		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C51		010-04100-04	CAP CER 1N 10% T/C B 400V	D11		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C54		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D12		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C55		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D13		008-00014-73	(S) LED HLMP5050 GREEN RT ANGLE PCB MTG
C56		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D14		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C57		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S				
C59		011-54100-01	CAP CER AI 1N 10% T/C B 63V				

Ref	Var	IPN	Description	Ref	Var	IPN	Description
*D15		001-00012-27	(S) DIODE BYV28-200 3.5A/200V FAST SWITCH	R53		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
*D18		001-00012-27	(S) DIODE BYV28-200 3.5A/200V FAST SWITCH	R54B		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
D19		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH	R55		045-05100-01	RES NTC 10K 5% 5MM DISC
D20		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R56		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D21		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R57		030-55270-20	RES FILM AI 27K 5% 0.4W 4X1.6MM
D22		001-00013-40	(S) DIODE SCHOTTKY BAT85 0.2A/30V	R58		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D24		001-00011-70	(S) DIODE 1N4001 1A/50V	R59		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
D25		001-00011-70	(S) DIODE 1N4001 1A/50V	R62		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
D26		001-00011-70	(S) DIODE 1N4001 1A/50V	R63		030-52330-20	RES FILM AI 33E 5% 0.4W 4X1.6MM
D27		001-00011-70	(S) DIODE 1N4001 1A/50V	R64		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
D30		001-00011-70	(S) DIODE 1N4001 1A/50V	R65		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
D31		001-00015-19	(S) DIODE ZENER 5V6 0.4W 2% BZX79/B5V6	R66		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
D32		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG	R67		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D36		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R70		030-53270-20	RES FILM AI 270E 5% 0.4W 4X1.6MM
D37		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R71		030-54330-20	RES FILM AI 3K3 5% 0.4W 4X1.6MM
D41		001-50012-00	(S) DIODE AI 1N4148 SI GEN PURPOSE	R72		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
D43		001-00011-45	(S) DIODE DUAL 30A/90V 30CPQ90	R73		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
*D46		001-00012-91	(S) DIODE 16V TRANSIENT SUPPRESSOR	R74		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
				R75		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
*F1		265-00010-51	FUSE 5.0A 250V SLOW BLOW 5X20	R79A		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
FC1		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R79B		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
FC2		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R80		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R80A		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
				R80B		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM
IC1		002-00012-40	(S) IC 358 DUAL OP AMP	*R81		032-33150-01	RES M/F PWR 150E 5% 2.5W 17X5MM
IC2		002-00010-81	(S) IC 7815 +15V 1AMP TO -220 3PIN	*R82		032-33150-01	RES M/F PWR 150E 5% 2.5W 17X5MM
IC3		002-00012-40	(S) IC 358 DUAL OP AMP	R83		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
IC4		002-00016-61	(S) IC 3525A SMPS CTRL	R84		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
IC5		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R85		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM
IC6		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R86		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
IC7		002-00020-58	(S) IC CNX62A OPTOCOPLER 250VAC	R87		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
IC8		002-00014-15	(S) IC TL431 SHUNT REG TO-92	R88		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R89		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
L1		065-00010-20	BEAD FERRITE BALUN 4B1 PHILIPS	R90		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
L2		056-00010-36	CHOKE FLTR 0.5MH COMMON MODE	R91		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
L3		056-00021-20	IND FXD 2MH 5AMP TOROIDAL	RV92		042-03470-06	RES PRESET 470E CARBON 6MM FLAT
L4		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R93		030-53910-20	RES FILM AI 910E 5% 0.4W 4X1.6MM
L5		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R94		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM
L6		065-00010-20	BEAD FERRITE BALUN 4B1 PHILIPS	R95		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM
L7		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R96		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
L8		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R98		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
				R99		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
Note: Fit L4 & L5 On Leads Of C20 Fit L7 & L8 On Leads Of C51				RLY1		237-00010-30	RELAY 12V COIL 240V 10A SPDT
PL-2		240-00020-72	HEADER 2 WAY PCB MTG ULTREX	SW1		233-00010-07	SWITCH DPDT 115/230V 6PIN
				SW2		232-00020-28	PUSH SWITCH PCB MTG
*Q1		000-00012-63	(S) XSTR MTP4N50 PWR MOSFET 500V TO220	SK-3		240-00010-23	PLUG 3 PIN 10AMP 250V PCB MTG
*Q2		000-00012-63	(S) XSTR MTP4N50 PWR MOSFET 500V TO220	SK-4		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
Q3		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	SK-5		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
Q4		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	SK-6		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
Q6		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92	SK-7		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
Q7		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	SK-8		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
Q8		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	T1		053-00010-58	XFMR T4073 T807/808 SWITCHING
Q9		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92	T2		053-00010-59	XFMR T4074 T807/808 CURRENT SENSE
R1		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM	T3		053-01060-02	XFMR T4075 T807/808 MOSFET DRIVE
R2		049-00275-40	VARIATOR 275V AC 140JOULES 20MM DIA.	T4		053-00010-63	XFMR T4075 MAINS 5VA 18V
R3		035-02100-93	RES WIRE WOUND 10E 5W 19X8MM	*T5		056-00010-39	CHOKE T4072 T807 DIFFNL MODE ETD39
R4		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM	T6		056-00010-38	CHOKE T4071 T807-808 DIFFNL MODE
R5		030-56270-20	RES FILM AI 270K 5% 0.4W 4X1.6MM				
R6		030-56390-20	RES FILM AI 390K 5% 0.4W 4X1.6MM	TC1		239-00010-06	SWITCH THERMAL PEPI 100C BARE TERML/C/W SLEEVE
R7		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM				
R8		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM				
R9		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM				
R11		032-33100-02	RES M/F PWR 100E 5% 6W 33X9MM				
*R12		030-53180-20	RES FILM AI 180E 5% 0.4W 4X1.6MM				
R13A		030-52680-20	RES FILM AI 68E 5% 0.4W 4X1.6MM				
R13B		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM				
R14		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM				
*R17		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM				
R18		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
*R19		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM				
R20		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
R24		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
RV25		042-03470-06	RES PRESET 470E CARBON 6MM FLAT				
R26		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM				
R27		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM				
R28		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM				
R29		030-54270-20	RES FILM AI 2K7 5% 0.4W 4X1.6MM				
R30		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R32		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM				
R33		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM				
R34		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R35		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R36		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM				
R37		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM				
R38		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R41		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM				
R42		030-54220-20	RES FILM AI 2K2 5% 0.4W 4X1.6MM				
R43		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R44		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R46		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM				
R47		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM				
R49		049-00140-10	VARIATOR 140VRMS 180VDC 42 JOULES				
R50		030-54220-20	RES FILM AI 2K2 5% 0.4W 4X1.6MM				
R51		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R52		030-56180-20	RES FILM AI 180K 5% 0.4W 4X1.6MM				

T807 Mechanical & Miscellaneous Parts (220-01183-03)

IPN	Legend	Description	IPN	Legend	Description
200-00010-35		WIRE T/C 1.5MM/1.4MM For L1 & L6. 35mm each	356-00020-06		RECEPTL 6.3MM QUICK CONN FLARED INS For Earth Lead
201-00051-15		WIRE APPLC 1MM ² GREEN HI TEMP PVC85 For Earth Lead	356-00020-07		RECEPTL M3.5QUICK CONN M3.5 OPEN END For Earth Lead
201-00060-09		WIRE REMIT 0.8MM ² PVC WHITE For Cut Out Switch on T1	356-00020-21		TAB 6.3MM RT ANGLE SPADE CAR QCK CONN PCB Mounted Earth Connector
209-00010-26		TAPE COPPER 19MM * 0.08MM SCOTCH 1181 For taping switch to T1	362-00010-13	18	BUSH INSULATING 1.1MM TOP HAT D43 Mounting x1
220-01183-03	1	PCB T807/T808 SMPS 2 OUNCE COPPER	362-01024-00	19	INSULATOR 54*30 AS PER DRWG A4M2431 Q1/Q2 x1, D43 x1
240-02010-22		SKT MAINS 3PIN FLEX 2M/10A	362-01052-00	20	XSTR CLAMPING BRKT T807/808 A4M2407 Bracing bracket for Q1 & Q2 x1
240-06010-27		BLANKING PLATE 2.5MM GREEN Fitted to SK-8	365-00011-54		LABEL WHITE RW 1556/2 90X24MM SPEC AD For outside of box
303-23128-01	2	COVR SIDE A2M2403/2 T807/808 COMP SCRNM	365-00013-59		LABEL T807/808 HI VOLT WARNING A4A651
306-01010-00	3	FERRULE A4M948 HANDLE FXD EQUIP Place on handle x2	365-00100-05		LABEL BLANK 50X9MM S/A METLSD POLYES Mounting Kit x1 (in bag) NB/ Label is to be placed over top of screened version on panel if power supply is to be 115 Volts
307-02029-00		GUIDE REAR T807/808 A3M2409 Packed in box x2	365-01391-01		LABEL BLNK 30X10.8MM TAMPERMARK VOID Ser No x1, Job No x1, Rev No x1 & Elec Insp x1
308-01007-00	4	HANDLE A4M949 FXD EQUIP Front Panel	399-00010-10		RUBBER BAND NO 33
308-13088-00		HSINK CLIP ON 14 OR 16 DIP INT CCTS ICs 4, 5 & 6	399-00010-51		BAG PLASTIC 75*100MM For Mounting Kit
308-13091-00		HSINK PCB MTG TO-220 Heatsink for IC2 mounting to PCB	400-00020-01		SLEEIVING 0.7MM SIL RUBBER For Legs of R13A, R47 & R64
311-00010-39		KNOB RED PLASTIC ROUND Pushes on to SW2	400-00020-03		SLEEIVING 1MM SIL RUBBER For Legs of R3, R11, 79A, R79B, R81 & R82
316-06398-00	5	PNL FRT COMPL T807 A3M2405/2	400-00020-05		SLEEIVING 1.5MM SIL RUBBER
316-21177-02	6	PNL REAR A3M2427/2 T807 COMPL SCRNM	400-00020-07		SLEEIVING 2MM SIL RUBBER Goes over wire for L1 & L6.
318-01018-00	7	RAIL CHASSIS T807/808 A3M2404 Attached to PCB x2	410-01081-00		CRTN T800 KIWI REF22860 402X192X66MM
319-30030-01	8	SPACER A4M1115 T807/808 Between P.C.B. & Rails x6	410-01082-00		CRTN 10 T800 KIWI REF24417 423X410X360
345-00040-06	9	SCREW M3*8MM PAN POZI ST BZ SK-3 x2, Mounting Kit x2 (in bag)			
345-00040-12		SCREW M3X10MM CSK POZI ST BZ Mounting Kit x6 (in bag)			
345-00040-17	10	SCREW M3*16MM CSK POZI ST BZ D43 x1			
345-00040-24	11	SCREW M3X20MM CSK POZI ST BZ Q1/Q2 Bracing Bracket x2			
349-00020-07	12	SCREW 4-40 X 5/16 PAN POZI TAPTITE BLACK Front x4, Rear x4, Cover x4			
349-00020-08	13	SCREW TAPTITE 4-40X3/8IN CSK POZI BZ Covers to rails x16			
349-00020-34	14	SCREW M3*12 PAN POZI TAPTITE BZ P.C.B. to rails x6			
352-00010-08	15	NUT M3 COLD FORM HEX ST BZ D43 x1, Mains Socket x2, IC2 x1, Mounting Kit x2 (in bag)			
352-00010-29	16	NUT M4 NYLOC HEX Handle x2			
353-00010-10		WASHER M3 FLAT 7MM*0.6MM ST BZ Mounting Kit x2 (in bag)			
353-00010-12	17	WASHER M3 SPRING BZ OR Z/C D43 x1, Mains Socket x2, IC2 x1			



T807
Mechanical Assembly
220-01183-03

T808 Parts List (IPN 220-01183-03)

How To Use This Parts List

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc) and those without (miscellaneous and mechanical). Static sensitive devices are prefixed with (S).

Those with a circuit reference are grouped by component type in numerical order. Each component entry comprises three or four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this component is fitted only to that variant.

The miscellaneous and mechanical section lists the parts in IPN order and where possible the legend indicates their position on the exploded view.

Parts List Amendments

R13A Changed from 10E to 68E (94/06-301).
 R93 Changed from 1K to 910E (94/06-301).
 R1 & R85 Changed from 030-08100-30 to -31 due to incorrect voltage rating of the original (93/07-348).
 R1 & R85 10M added to underside of PCB to meet BAPT high voltage requirements (93/04-202).
 FC1 & FC2 (Fuseholders) changed from 6.3mm (340-00010-06) to 5mm, due to being the wrong size (93/04-181).
 C23 Changed from 020-08470-07 to -09 due to high profile of the original (92/10-742).

Important mechanical assembly changes to this issue are as follows:

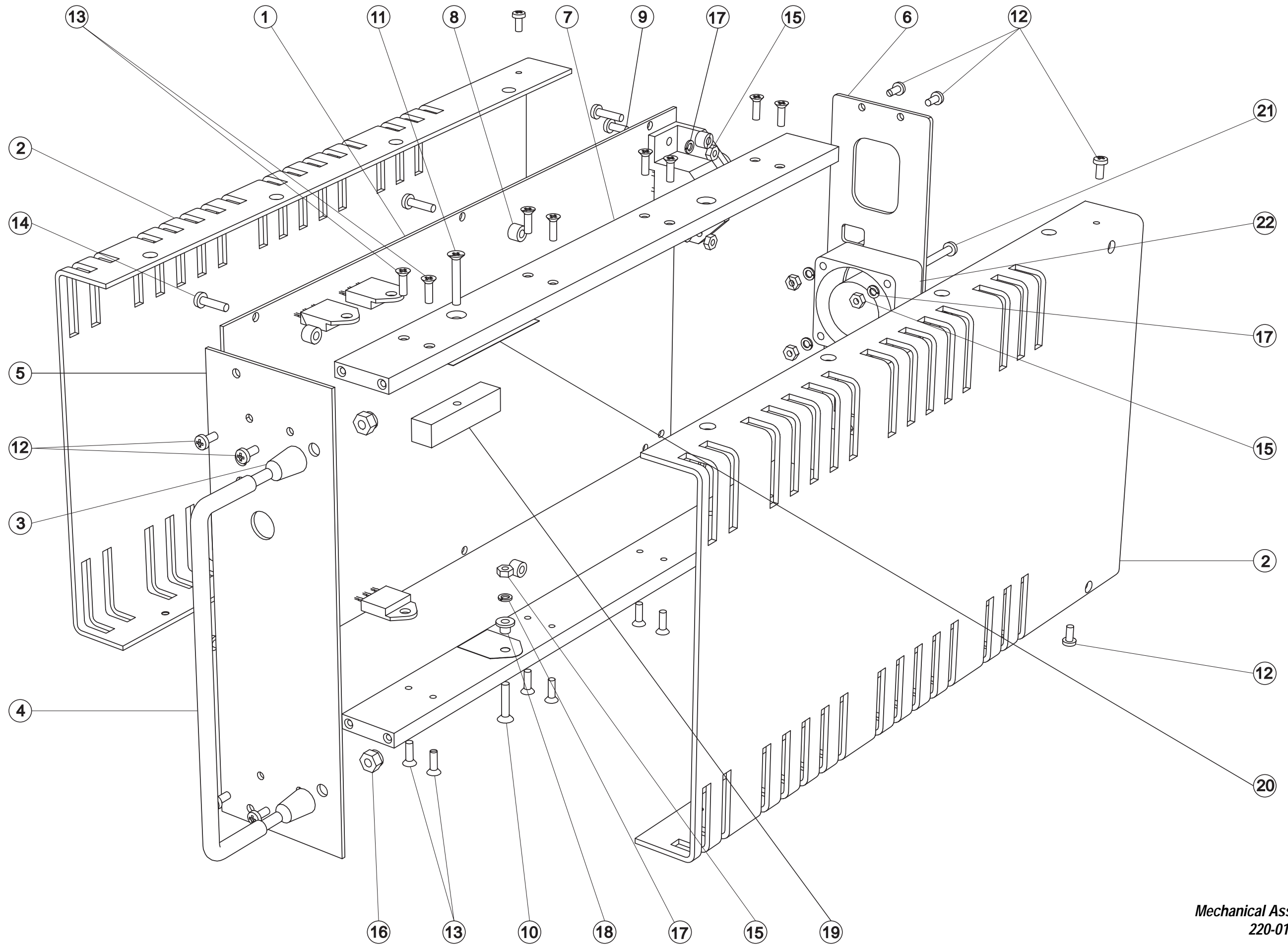
Sidcover Changed from 303-23128-00 to -01. Width increased by 0.5mm to pass BAPT high voltage test (94/05-243).
 Spacer Changed from 319-30030-00 to -01. Length increased by 0.5mm to pass BAPT high voltage test (94/05-243).
 Screw 4-40 ¼" Changed from 349-00020-06 to -07 (5/16") due to obsolete component (93/08-410).
 Gasket 362-00010-07 replaced by insulator 54*30 (362-01024-00) to meet BAPT high voltage requirements (93/04-202).

Ref	Var	IPN	Description	Ref	Var	IPN	Description
C1		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED	C60		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V
C2		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED	C61		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S
C3		022-06470-04	CAP MYLAR 470N 10% 250VAC	C62		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C4		022-06470-04	CAP MYLAR 470N 10% 250VAC	C63		022-57100-02	CAP MYLAR AI 1M 20% 50V POTTED
C5		012-04220-06	CAP CER 2N2 3-PIN SUPPR FLTR	C65		020-09470-07	CAP 470M 16V 20% ELEC VERT 8*20 3.5MM L/S LO-ESR
C6		012-04220-06	CAP CER 2N2 3-PIN SUPPR FLTR	C66		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C9		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MMLS	C67		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C10		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MMLS	*C68		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C11		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MMLS	*C69		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C12		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MMLS	*C70		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C13		024-07100-00	CAP 1M 250VDC 5% POLYPROP.22.5 L/S	*C71		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C14		024-07100-00	CAP 1M 250VDC 5% POLYPROP.22.5 L/S	*C72		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C15		010-03470-03	CAP 470P T/C B 10% 6KV CERAMIC	*C73		020-19330-02	CAP 3300M 16V ELEC 13*40 VERT
C16		025-07100-01	CAP TANT BEAD 1M 35V	C74		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C17		011-53470-02	CAP CER AI 470P 10% T/C B 63V	C75		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C20		010-04100-04	CAP CER 1N 10% T/C B 400V	C78		020-09820-01	CAP 820M 16V ELECT 10X25MM
C21		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C79		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C22		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C80		010-04100-04	CAP CER 1N 10% T/C B 400V
C23		020-08470-09	CAP ELECT RADL 47M 16V 10X18MM HI TEMP	C81		010-04100-04	CAP CER 1N 10% T/C B 400V
C24		020-07100-04	CAP ELECT RADL 1M 63V 8X12MM HI TEMP	C82		010-04100-04	CAP CER 1N 10% T/C B 400V
C25		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	C84		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C26		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C85		011-52330-01	CAP CER AI 33P 5% N150 50/63V
C27		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C86		022-54100-10	CAP MYLAR AI 1N 5% 63V POTTED
C31		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C87		022-54220-10	CAP MYLAR AI 2N2 5% 63V POTTED
C32		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C88		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED
C33		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C89		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C34		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	C90		010-04100-04	CAP CER 1N 10% T/C B 400V
C37		020-19220-04	CAP 2200M ELEC 35V 16X35 L ESR	C91		010-04100-04	CAP CER 1N 10% T/C B 400V
C38		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C95		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C39		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D1		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C42		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D2		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C43		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D3		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C44		025-07100-01	CAP TANT BEAD 1M 35V	D4		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C45		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D5		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C46		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D6		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C49		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D7		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C50		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D8		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C51		010-04100-04	CAP CER 1N 10% T/C B 400V	D11		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C54		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D12		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C55		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D13		008-00014-73	(S) LED HLMP5050 GREEN RT ANGLE PCB MTG
C56		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D14		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C57		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S				
C59		011-54100-01	CAP CER AI 1N 10% T/C B 63V				

Ref	Var	IPN	Description	Ref	Var	IPN	Description
*D15		001-00011-06	(S) DIODE MUR440 ULTRAFAST 400V 4A	R53		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
*D18		001-00011-06	(S) DIODE MUR440 ULTRAFAST 400V 4A	R54B		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
D19		001-00012-23	(S) DIODE BY26C 1A/400V FAST SWITCH	R55		045-05100-01	RES NTC 10K 5% 5MM DISC
D20		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R56		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D21		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R57		030-55270-20	RES FILM AI 27K 5% 0.4W 4X1.6MM
D22		001-00013-40	(S) DIODE SCHOTTKY BAT85 0.2A/30V	R58		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D24		001-00011-70	(S) DIODE 1N4001 1A/50V	R59		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
D25		001-00011-70	(S) DIODE 1N4001 1A/50V	R62		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
D26		001-00011-70	(S) DIODE 1N4001 1A/50V	R63		030-52330-20	RES FILM AI 33E 5% 0.4W 4X1.6MM
D27		001-00011-70	(S) DIODE 1N4001 1A/50V	R64		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
D30		001-00011-70	(S) DIODE 1N4001 1A/50V	R65		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
D31		001-00015-19	(S) DIODE ZENER 5V6 0.4W 2% BZX79/B5V6	R66		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
D32		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG	R67		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D36		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R70		030-53270-20	RES FILM AI 270E 5% 0.4W 4X1.6MM
D37		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R71		030-54330-20	RES FILM AI 3K3 5% 0.4W 4X1.6MM
D41		001-50012-00	(S) DIODE AI 1N4148 SI GEN PURPOSE	R72		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
D43		001-00011-45	(S) DIODE DUAL 30A/90V 30CPQ90	R73		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
*D46		001-00012-92	(S) DIODE 1N6276A 16V O/VOLT SUPPRESSOR	R74		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
				R75		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
*F1		265-00010-24	FUSE 8.0A 250V SLOW BLOW 5X20	R79A		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
FC1		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R79B		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
FC2		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R80		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R80A		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
				R80B		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM
IC1		002-00012-40	(S) IC 358 DUAL OP AMP	*R81		032-33120-01	RES M/F PWR 120E 5% 2.5W 17X5MM
IC2		002-00010-81	(S) IC 7815 +15V 1AMP TO -220 3PIN	*R82		032-33120-01	RES M/F PWR 120E 5% 2.5W 17X5MM
IC3		002-00012-40	(S) IC 358 DUAL OP AMP	R83		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
IC4		002-00016-61	(S) IC 3525A SMPS CTRL	R84		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
IC5		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R85		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM
IC6		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R86		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
IC7		002-00020-58	(S) IC CNX62A OPTOCOPLER 250VAC	R87		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
IC8		002-00014-15	(S) IC TL431 SHUNT REG TO-92	R88		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R89		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
L1		065-00010-20	BEAD FERRITE BALUN 4B1 PHILIPS	R90		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
L2		056-00010-36	CHOKE FLTR 0.5MH COMMON MODE	R91		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
L3		056-00021-20	IND FXD 2MH 5AMP TOROIDAL	RV92		042-03470-06	RES PRESET 470E CARBON 6MM FLAT
L4		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R93		030-53910-20	RES FILM AI 910E 5% 0.4W 4X1.6MM
L5		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R94		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM
L6		065-00010-20	BEAD FERRITE BALUN 4B1 PHILIPS	R95		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM
L7		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R96		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
L8		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R98		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
				R99		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
<p>Note: Fit L4 & L5 On Leads Of C20 Fit L7 & L8 On Leads Of C51</p>				RLY1		237-00010-30	RELAY 12V COIL 240V 10A SPDT
PL-2		240-00020-72	HEADER 2 WAY PCB MTG ULTREX	SW1		233-00010-07	SWITCH DPDT 115/230V 6PIN
				SW2		232-00020-28	PUSH SWITCH PCB MTG
*Q1		000-00012-61	(S) XSTR MTH7N50 N CHAN PWR MOS 7A 500V	SK-3		240-00010-23	PLUG 3 PIN 10AMP 250V PCB MTG
*Q2		000-00012-61	(S) XSTR MTH7N50 N CHAN PWR MOS 7A 500V	SK-4		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
Q3		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	SK-5		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
Q4		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	SK-6		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
Q6		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92	SK-7		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
Q7		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	SK-8		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
Q8		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	T1		053-00010-58	XFMR T4073 T807/808 SWITCHING
Q9		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92	T2		053-00010-59	XFMR T4074 T807/808 CURRENT SENSE
R1		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM	T3		053-01060-02	XFMR T4075 T807/808 MOSFET DRIVE
R2		049-00275-40	VARIATOR 275V AC 140JOULES 20MM DIA.	T4		053-00010-63	XFMR T4075 MAINS 5VA 18V
R3		035-02100-93	RES WIRE WOUND 10E 5W 19X8MM	*T5		056-00010-49	CHOKE T4080 T808 DIFFNL MODE ETD39
R4		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM	T6		056-00010-38	CHOKE T4071 T807-808 DIFFNL MODE
R5		030-56270-20	RES FILM AI 270K 5% 0.4W 4X1.6MM				
R6		030-56390-20	RES FILM AI 390K 5% 0.4W 4X1.6MM	TC1		239-00010-06	SWITCH THERMAL PEPI 100C BARE TERML/C/W SLEEVE
R7		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM				
R8		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM				
R9		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM				
R11		032-33100-02	RES M/F PWR 100E 5% 6W 33X9MM				
*R12		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM				
R13A		030-52680-20	RES FILM AI 68E 5% 0.4W 4X1.6MM				
R13B		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM				
R14		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM				
*R17		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM				
R18		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
*R19		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM				
R20		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
R24		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
RV25		042-03470-06	RES PRESET 470E CARBON 6MM FLAT				
R26		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM				
R27		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM				
R28		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM				
R29		030-54270-20	RES FILM AI 2K7 5% 0.4W 4X1.6MM				
R30		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R32		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM				
R33		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM				
R34		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R35		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R36		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM				
R37		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM				
R38		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R41		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM				
R42		030-54220-20	RES FILM AI 2K2 5% 0.4W 4X1.6MM				
R43		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R44		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R46		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM				
R47		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM				
R49		049-00140-10	VARIATOR 140VRMS 180VDC 42 JOULES				
R50		030-54220-20	RES FILM AI 2K2 5% 0.4W 4X1.6MM				
R51		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R52		030-56180-20	RES FILM AI 180K 5% 0.4W 4X1.6MM				

T808 Mechanical & Miscellaneous Parts (220-01183-03)

IPN	Legend	Description	IPN	Legend	Description
200-00010-35		WIRE T/C 1.5MM/1.4MM For L1 & L6. 35mm each	352-00010-08	15	NUT M3 COLD FORM HEX ST BZ D43 x1, Mains Socket x2, IC2 x1, Fan X4, Mounting Kit x2 (in bag)
201-00051-15		WIRE APPLC 1MM ² GREEN HI TEMP PVC85 For Earth Lead	352-00010-29	16	NUT M4 NYLOC HEX Handle x2
201-00060-09		WIRE REMIT 0.8MM ² PVC WHITE For Cut Out Switch on T1	353-00010-10		WASHER M3 FLAT 7MM*0.6MM ST BZ Mounting Kit x2 (in bag)
209-00010-26		TAPE COPPER 19MM * 0.08MM SCOTCH 1181 For taping switch to T1	353-00010-12	17	WASHER M3 SPRING BZ OR Z/C D43 x1, Mains Socket x2, IC2 x1, Fan x4
220-01183-03	1	PCB T807/T808 SMPS 2 OUNCE COPPER	356-00020-06		RECEPTL 6.3MM QUICK CONN FLARED INS For Earth Lead
240-02010-22		SKT MAINS 3PIN FLEX 2M/10A	356-00020-07		RECEPTL M3.5QUICK CONN M3.5 OPEN END For Earth Lead
*240-04020-72		SOCKET HOUSING 2 WAY MTG ULTREX To connect fan to PL-2	356-00020-21		TAB 6.3MM RT ANGLE SPADE CAR QCK CONN PCB Mounted Earth Connector
*240-04020-76		SKT RECEPTACLES WIRE CRIMP ULTREX To connect fan to PL-2	362-00010-13	18	BUSH INSULATING 1.1MM TOP HAT D43 Mounting x1
240-06010-27		BLANKING PLATE 2.5MM GREEN Fitted to SK-8	362-01024-00	19	INSULATOR 54*30 AS PER DRWG A4M2431 Q1/Q2 x1, D43 x1
*258-00010-04	22	FAN 12V TUBEAXIAL 40x40x20 MM Mount on rear panel	362-01052-00	20	XSTR CLAMPING BRKT T807/808 A4M2407 Bracing bracket for Q1 & Q2 x1
303-23128-01	2	COVR SIDE A2M2403/2 T807/808 COMP SCRNM	365-00011-54		LABEL WHITE RW 1556/2 90X24MM SPEC AD For outside of box
306-01010-00	3	FERRULE A4M948 HANDLE FXD EQUIP Place on handle x2	365-00013-59		LABEL T807/808 HI VOLT WARNING A4A651
307-02029-00		GUIDE REAR T807/808 A3M2409 Packed in box x2	365-00100-05		LABEL BLANK 50X9MM S/A METLSD POLYES Mounting Kit x1 (in bag) NB/ Label is to be placed over top of screened version on panel if power supply is to be 115 Volts
308-01007-00	4	HANDLE A4M949 FXD EQUIP Front Panel	365-01391-01		LABEL BLNK 30X10.8MM TAMPERMARK VOID Ser No x1, Job No x1, Rev No x1 & Elec Insp x1
308-13088-00		HSINK CLIP ON 14 OR 16 DIP INT CCTS ICs 4, 5 & 6	399-00010-10		RUBBER BAND NO 33
308-13091-00		HSINK PCB MTG TO-220 Heatsink for IC2 mounting to PCB	399-00010-51		BAG PLASTIC 75*100MM For Mounting Kit
311-00010-39		KNOB RED PLASTIC ROUND Pushes on to SW2	400-00020-01		SLEEING 0.7MM SIL RUBBER For Legs of R13A, R47 & R64
316-06399-00	5	PNL FRT COMPL T807 A3M2405/2	400-00020-03		SLEEING 1MM SIL RUBBER For Legs of R3, R11, 79A, R79B, R81 & R82
316-21176-02	6	PNL REAR A3M2427/2 T807 COMPL SCRNM	400-00020-05		SLEEING 1.5MM SIL RUBBER
318-01018-00	7	RAIL CHASSIS T807/808 A3M2404 Attached to PCB x2	400-00020-07		SLEEING 2MM SIL RUBBER Goes over wire for L1 & L6.
319-30030-01	8	SPACER A4M1115 T807/808 Between P.C.B. & Rails x6	410-01081-00		CRTN T800 KIWI REF22860 402X192X66MM
345-00040-06	9	SCREW M3*8MM PAN POZI ST BZ SK-3 x2, Mounting Kit x2 (in bag)	410-01082-00		CRTN 10 T800 KIWI REF24417 423X410X360
345-00040-12		SCREW M3X10MM CSK POZI ST BZ Mounting Kit x6 (in bag)			
345-00040-17	10	SCREW M3*16MM CSK POZI ST BZ D43 x1			
*345-00040-19	21	SCREW M3*25MM PAN POZI ST BZ Fan x4			
345-00040-24	11	SCREW M3X20MM CSK POZI ST BZ Q1/Q2 Bracing Bracket x2			
349-00020-07	12	SCREW 4-40 X 5/16 PAN POZI TAPTITE BLACK Front x4, Rear x4, Cover x4			
349-00020-08	13	SCREW TAPTITE 4-40X3/8IN CSK POZI BZ Covers to rails x16			
349-00020-34	14	SCREW M3*12 PAN POZI TAPTITE BZ P.C.B. to rails x6			



T808
Mechanical Assembly
220-01183-03

T807/808 Grid Reference Index (IPN 220-01183-03)

How To Use This Grid Reference Index

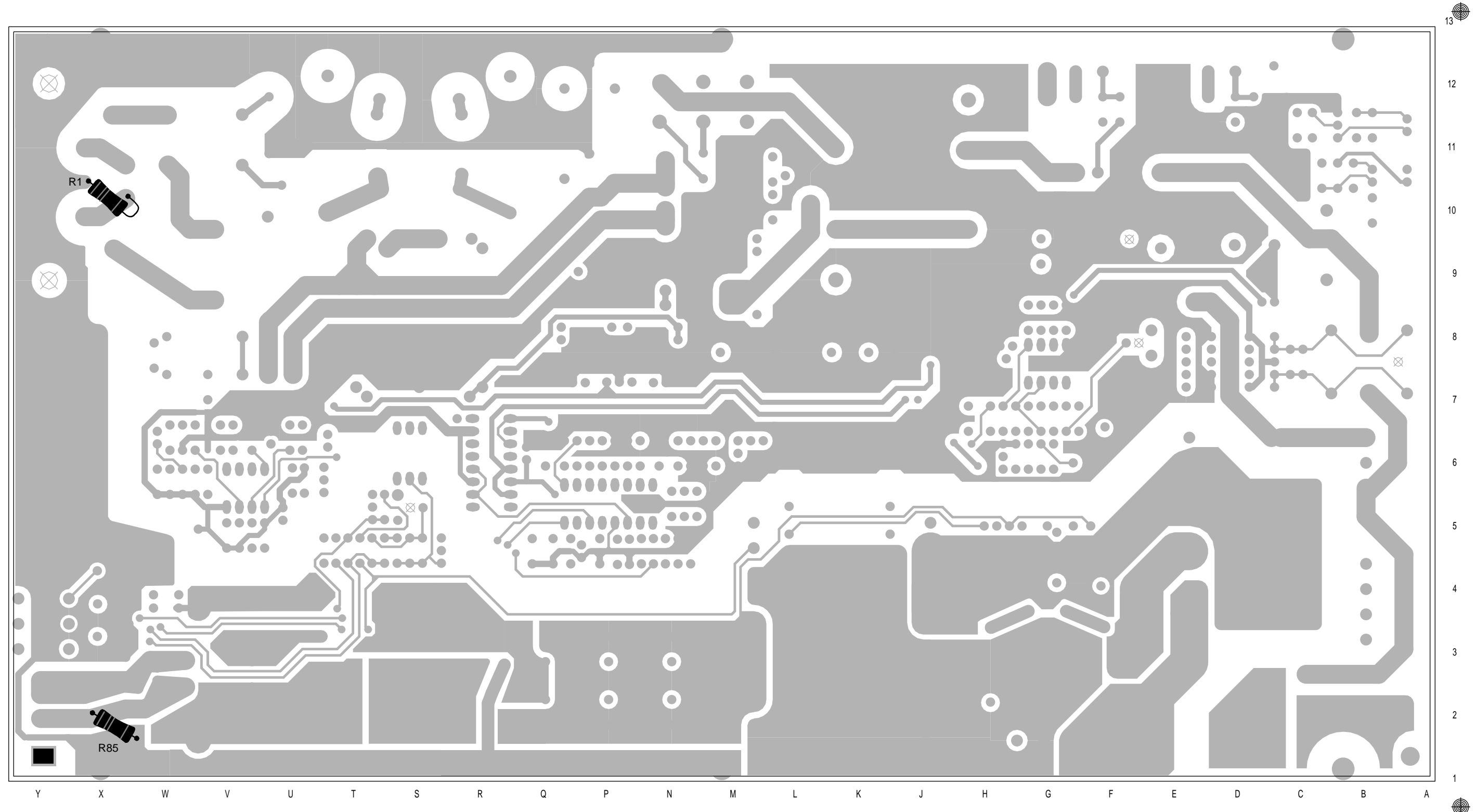
The first digit in the PCB layout reference is a "1" or "2", indicating the top or bottom side layout respectively, and the last two characters give the location of the component on that diagram.

The first digit in the circuit diagram reference is the sheet number, and the last two characters give the location of the component on that sheet.

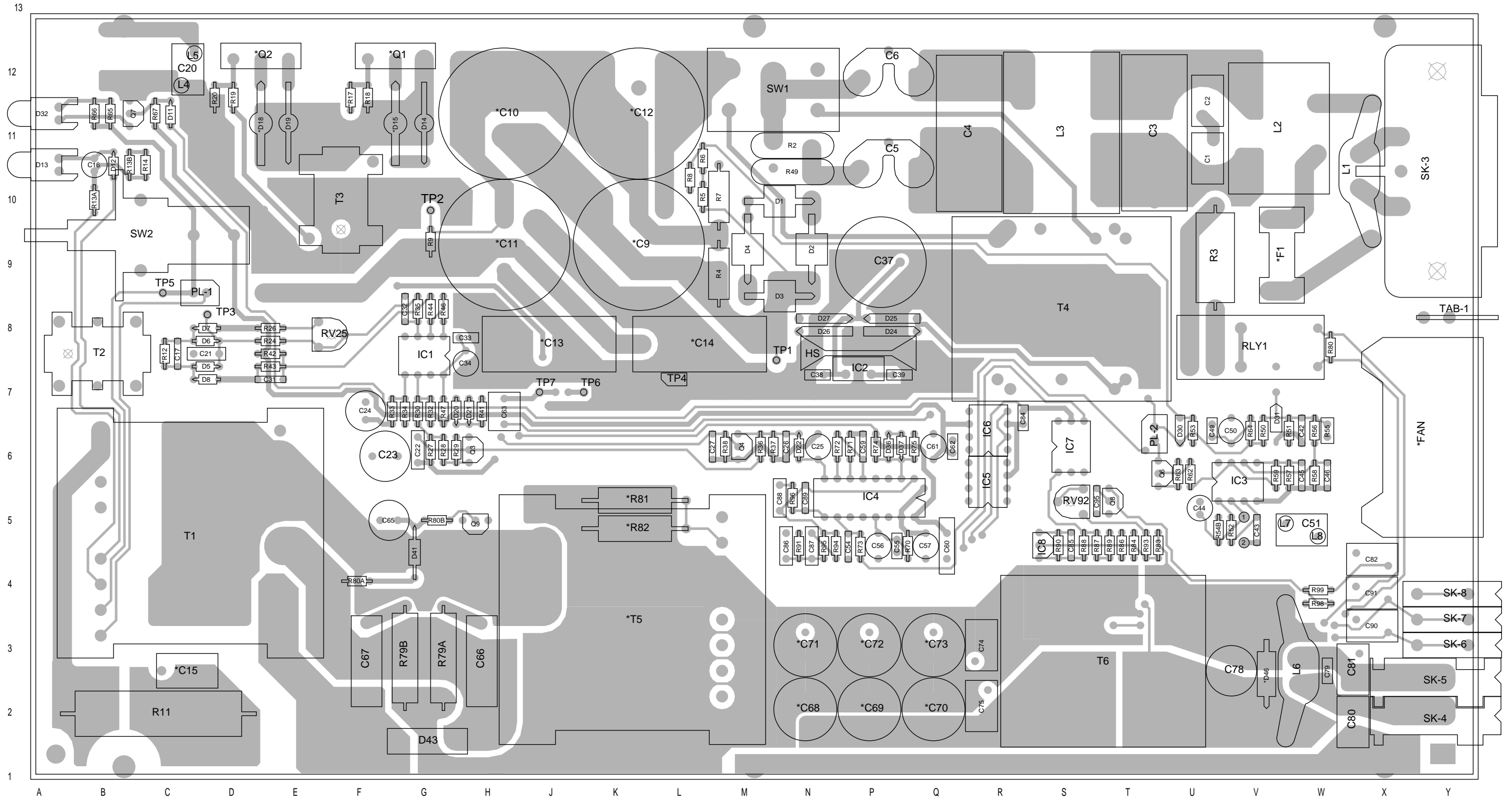
Note: There is a silk screen printing error on the Issue 03 PCB. D36 and D37 are shown the wrong way around. This Grid Reference Index and the PCB Layout show these components in the correct positions.

Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit
C1	1:U11	1-C6	C74	1:R3	1-N9			1-D1	R34	1:G7	1-M3
C2	1:U12	1-C5	C75	1:R2	1-N8	IC4	1:Q6	1-L0	R35	1:G8	1-M3
C3	1:T11	1-C6	C78	1:V3	1-P8	IC5	1:R5	1-M1	R36	1:M6	1-M3
C4	1:R11	1-D6	C79	1:W3	1-Q8			1-N1	R37	1:M6	1-M2
C5	1:P10	1-D6	C80	1:X2	1-R9			1-M0	R38	1:M6	1-P2
C6	1:P12	1-D5	C81	1:X3	1-R8	IC6	1:R6	1-M1	R41	1:H7	1-N3
*C9	1:K9	1-F6	C82	1:X4	1-R7			1-N1	R42	1:E7	1-P3
*C10	1:H11	1-G6	C84	1:R7	1-N6			1-N0	R43	1:E7	1-P3
*C11	1:H9	1-F5	C85	1:S4	1-P6	IC7	1:S6	1-N6	R44	1:G8	1-Q3
*C12	1:K11	1-G5	C86	1:N4	1-P5	IC8	1:S5	1-P5	R47	1:G6	1-N0
*C13	1:J8	1-H5	C87	1:N5	1-P5	L1	1:X10	1-A6	R49	1:N10	1-B2
*C14	1:L8	1-H6	C88	1:N5	1-Q5	L2	1:V11	1-B6	R50	1:V6	1-E2
*C15	1:D3	1-H5	C89	1:N5	1-R5	L3	1:S11	1-C6	R51	1:W7	1-F2
C16	1:B11	1-K5	C90	1:X3	1-R6	L4	1:C12	1-K4	R52	1:V5	1-G3
C17	1:C8	1-J4	C91	1:X4	1-R5	L5	1:C12	1-K3	R53	1:U7	1-F2
C20	1:C12	1-K4	C95	1:T5	1-P7	L6	1:W3	1-Q9	R54B	1:U5	1-F2
C21	1:D8	1-J3	D1	1:N10	1-F6	L7	1:W5	1-D0	R55	1:W6	1-E1
C22	1:G6	1-L4	D2	1:N9	1-F6	L8	1:W5	1-D0	R56	1:W6	1-F0
C23	1:F6	1-M4	D3	1:N8	1-F6	PL-1	1:D9	1-E0	R57	1:W6	1-F1
C24	1:F7	1-M3	D4	1:M9	1-F6			1-E3	R58	1:W6	1-F0
C25	1:N6	1-M2	D5	1:D7	1-J4	PL-2	1:T6	1-H0	R59	1:V5	1-G1
C26	1:N6	1-M2	D6	1:D8	1-J4	*Q1	1:G12	1-L6	R61	1:G8	1-Q3
C27	1:L6	1-N2	D7	1:C8	1-J3	*Q2	1:E12	1-L4	R62	1:U6	1-G1
C31	1:E8	1-P3	D8	1:C7	1-J3	Q3	1:H6	1-L3	R63	1:U6	1-H0
C32	1:G8	1-P3	D11	1:C12	1-H2	Q4	1:M6	1-N2	R64	1:V6	1-D1
C33	1:H8	1-Q2	D12	1:B11	1-J5	Q6	1:U6	1-H1	R65	1:B11	1-J2
C34	1:H8	1-Q2	D13	1:A11	1-K5	Q7	1:B11	1-J2	R66	1:B11	1-J2
C37	1:P9	1-C2	D14	1:G11	1-L6	Q8	1:T5	1-P7	R67	1:C11	1-J2
C38	1:N7	1-D2	*D15	1:G12	1-L6	Q9	1:H5	1-K8	R70	1:P5	1-L2
C39	1:P7	1-E2	*D18	1:E12	1-L5	R1	2:X10		R71	1:P6	1-K1
C42	1:W7	1-E2	D19	1:E11	1-L4	R2	1:N11	1-E6	R72	1:P6	1-K1
C43	1:V5	1-F2	D20	1:H7	1-N4	R3	1:U10	1-E6	R73	1:P4	1-K0
C44	1:U5	1-F2	D21	1:H7	1-P4	R4	1:M8	1-G6	R74	1:P6	1-M2
C45	1:W6	1-F1	D22	1:N6	1-M3	R5	1:L10	1-G6	R75	1:Q6	1-M2
C46	1:W6	1-F0	D24	1:Q8	1-C2	R6	1:L10	1-G5	R79A	1:G2	1-H9
C49	1:U6	1-D1	D25	1:P8	1-C2	R7	1:M10	1-G5	R79B	1:G2	1-J9
C50	1:V6	1-E1	D26	1:N8	1-C2	R8	1:L11	1-G5	R80	1:W8	1-J9
C51	1:W5	1-D0	D27	1:P8	1-C2	R9	1:G10	1-H5	R80A	1:F4	1-J8
C54	1:P5	1-K0	D30	1:U7	1-F3	R11	1:D2	1-J6	R80B	1:G5	1-K8
C55	1:Q5	1-K2	D31	1:V7	1-F2	*R12	1:C7	1-J4	*R81	1:K5	1-K9
C56	1:P4	1-K2	D32	1:A11	1-J2	R13A	1:B10	1-J5	*R82	1:K5	1-K9
C57	1:Q5	1-K2	D36	1:P6	1-L1	R13B	1:B11	1-K5	R83	1:U5	1-Q8
C59	1:P6	1-K1	D37	1:Q6	1-M1	R14	1:C11	1-K5	R84	1:T5	1-Q8
C60	1:Q5	1-M2	D41	1:G4	1-J8	*R17	1:F12	1-M5	R85	2:X2	
C61	1:Q6	1-K0	D43	1:G2	1-H9	R18	1:F12	1-L5	R86	1:T4	1-N7
C62	1:Q6	1-K0			1-H9	*R19	1:D12	1-M5	R87	1:T4	1-P6
C63	1:H7	1-N1	*D46	1V3:	1-P8	R20	1:D12	1-M4	R88	1:S5	1-P6
C65	1:G5	1-K8	*FAN	1:Z8	1-J1	R24	1:D8	1-K4	R89	1:T4	1-Q6
C66	1:H3	1-H8	*F1	1:W10	1-B6	RV25	1:F8	1-K4	R90	1:S4	1-P6
C67	1:F3	1-J8	HS	1:P7		R26	1:E8	1-K3	R91	1:N4	1-N5
*C68	1:N2	1-L8	IC1	1:G8	1-M4	R27	1:G6	1-L4	RV92	1:S5	1-Q5
*C69	1:P2	1-L8			1-Q3	R28	1:G6	1-L4	R93	1:T5	1-Q5
*C70	1:Q2	1-M8			1-Q2	R29	1:H6	1-L3	R94	1:P5	1-Q5
*C71	1:N3	1-M8	IC2	1:P7	1-D3	R30	1:G7	1-M4	R95	1:N5	1-Q4
*C72	1:P3	1-M8	IC3	1:U5	1-G2	R32	1:G6	1-M4	R96	1:N5	1-R5
*C73	1:Q3	1-N8			1-G0	R33	1:G7	1-M3	R98	1:W4	1-P7

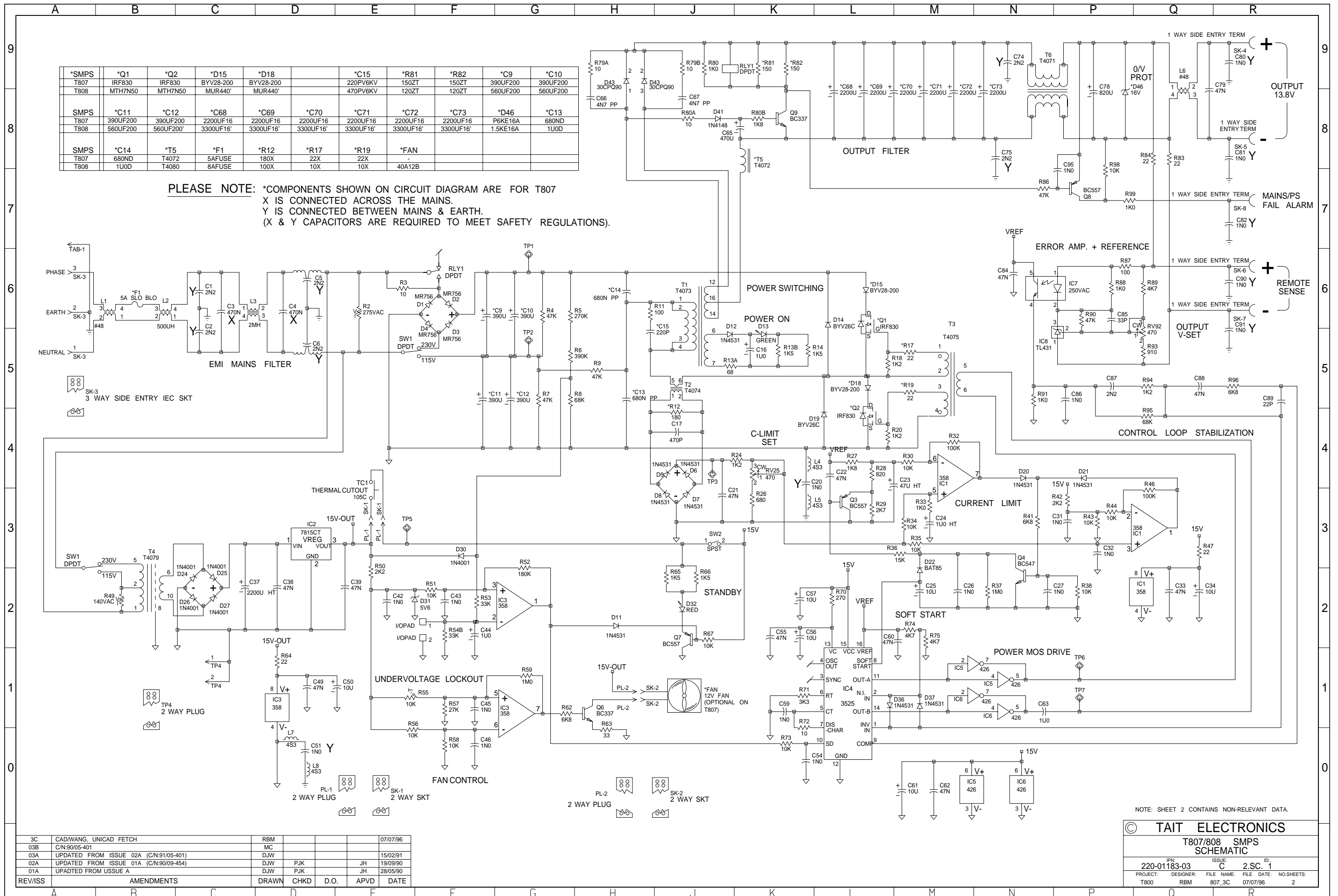
<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>
R99	1:W4	1-P7									
RLY1	1:V8	1-J9									
		1-F6									
SW1	1:N12	1-E5									
		1-A3									
SW2	1:C9	1-J3									
SK-1		1-E0									
		1-E3									
SK-2		1-H0									
SK-3	1:X10	1-A4									
SK-4	1:X2	1-R9									
SK-5	1:X3	1-R8									
SK-6	1:Y3	1-R6									
SK-7	1:Y3	1-R6									
SK-8	1:Y4	1-R7									
T1	1:C5	1-J6									
T2	1:B8	1-J5									
T3	1:F10	1-M4									
T4	1:S8	1-B2									
*T5	1:K3	1-K8									
T6	1:T3	1-P8									
TAB-1	1:Y8	1-A7									
TC1		1-E3									
TP1	1:N7	1-G6									
TP2	1:G10	1-G5									
TP3	1:D8	1-J4									
TP4	1:L7	1-B0									
		1-C1									
TP5	1:C9	1-E3									
TP6	1:K7	1-P1									
TP7	1:J7	1-P1									



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



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



T807/808 Noise Modulator Parts List (IPN 220-01268-00)

How To Use This Parts List

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc) and those without (miscellaneous and mechanical).

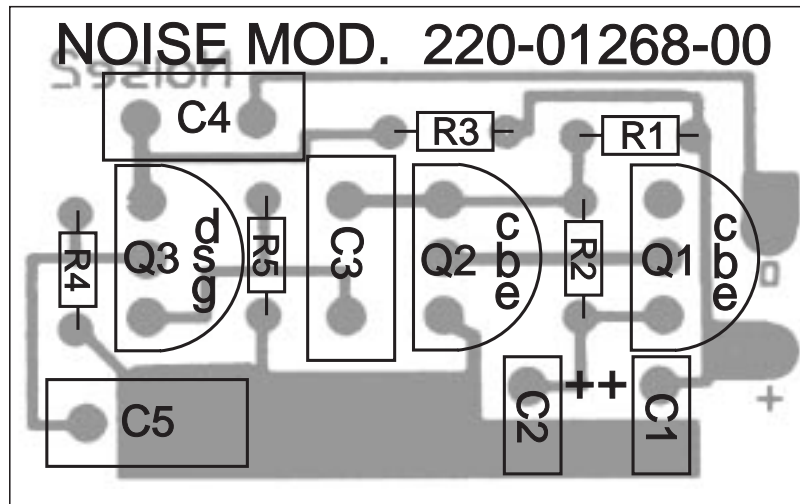
Those with a circuit reference are grouped by component type in numerical order. Each component entry comprises three or four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this component is fitted only to that variant.

The miscellaneous and mechanical section lists the variant and common parts in IPN order.

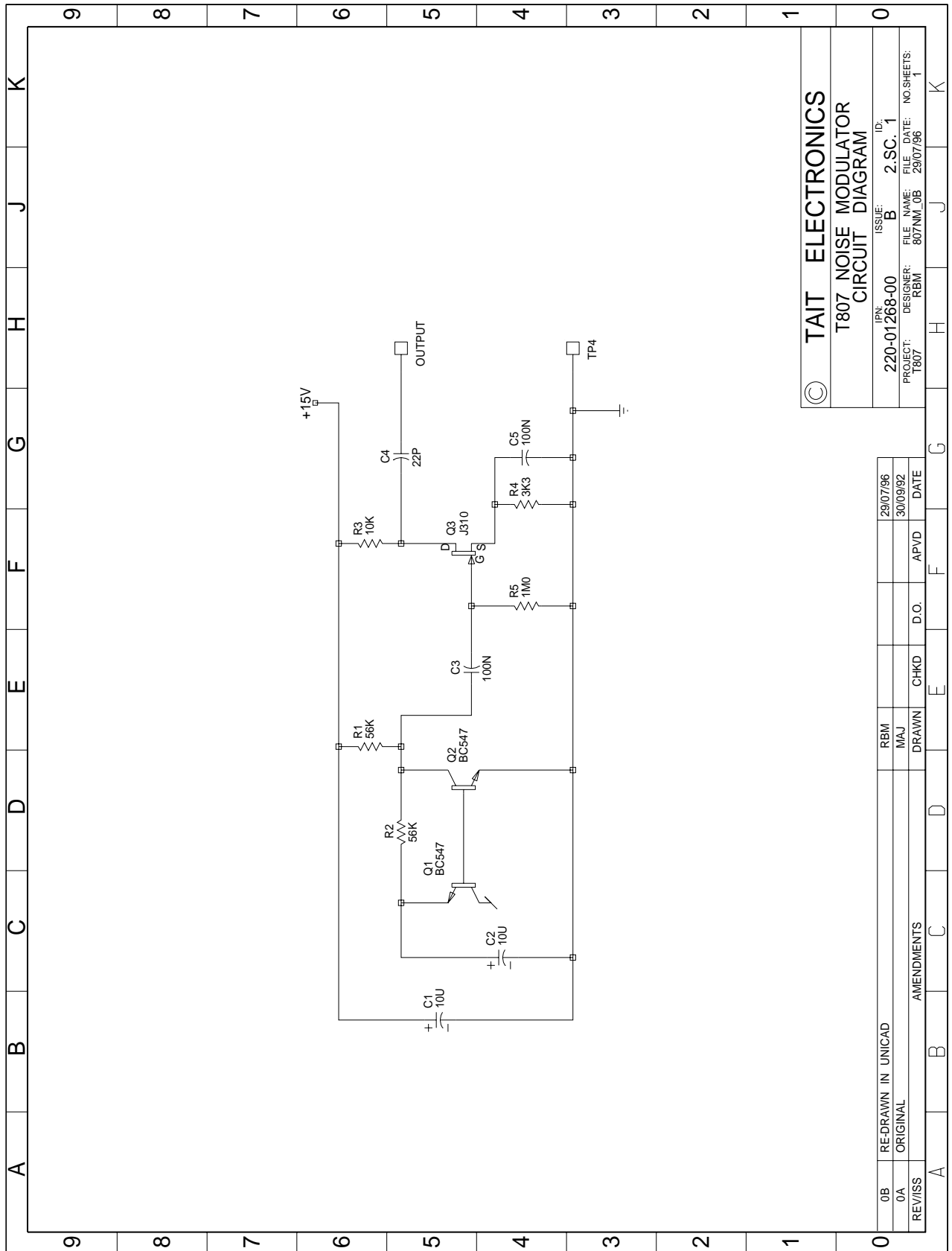
Parts List Amendments

There were no amendments to the parts list at the time of publication.

Ref	Var	IPN	Description	Ref	Var	IPN	Description
C1		025-08100-02	CAP TANT BEAD 10M 10% 16V				
C2		025-08100-02	CAP TANT BEAD 10M 10% 16V				
C3		022-06100-01	CAP MYLAR 100N10% 50V				
C4		011-52220-01	CAP CER AI 22P5% N15050/63V				
C5		022-06100-01	CAP MYLAR 100N10% 50V				
Q1		000-50011-10	(S) XSTR AI BC547B NPNT0-92 AF S/SIG				
Q2		000-50011-10	(S) XSTR AI BC547B NPNT0-92 AF S/SIG				
Q3		000-00033-10	(S) XSTR J310 JFET TO-92 UHF 2.5MM L/S				
R1		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM				
R2		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM				
R3		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R4		030-54330-20	RES FILM AI 3K3 5% 0.4W 4X1.6MM				
R5		030-57100-20	RES FILM AI 1M5% 0.4W4X1.6MM				
		200-00010-04	WIRE T/C 0.7MM (2 x 30mm lengths)				
		201-00060-04	WIRE REMIT 0.8MM2 PVC YELLOW				
		201-00060-09	WIRE REMIT 0.8MM2 PVC WHITE				
		220-01268-00	PCB T807/808 NOISE MODULATOR				
		369-00020-36	TAPE VINYL FOAM 2 SIDES/A 25.4*3MM 3M4408				



T807/808 Noise Modulator PCB (IPN 220-01268-00) - Top Side Encoding Overlaid On Bottom Side Copper



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T807 NOISE MODULATOR
CIRCUIT DIAGRAM

IPN: 220-01268-00 ISSUE: B 2.S.C. 1
PROJECT: T807 DESIGNER: RBM FILE NAME: 807NM_JOB DATE: 29/07/96
REV: 1 NO. SHEETS: 1

REV/ISS	AMENDMENTS	CHKD	D.O.	APVD	DATE
0B	RE-DRAWN IN UNICAD				29/07/96
0A	ORIGINAL				30/09/92

T807/808 Noise Modulator PCB (IPN 220-01268-00) - Circuit Diagram

T807 Parts List (IPN 220-01183-05)

How To Use This Parts List

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc) and those without (miscellaneous and mechanical).

Those with a circuit reference are grouped by component type in numerical order. Each component entry comprises three or four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this component is fitted only to that variant.

The miscellaneous and mechanical section lists the parts in IPN order and where possible the legend indicates their position on the exploded view.

Parts List Amendments

C1 & C2 Changed from 2.2n (010-04220-09) to 4.7n to meet European Type Approval (95/09-7077).
 C3 & C4 Changed from 470n (022-06470-04) to 680n to meet European Type Approval (95/09-7077).
 C5 & C6 Changed from 2.2n (012-04220-06) to 4.7n to meet European Type Approval (95/09-7077).
 C5A & C6A 4.7n added in parallel with C5 & C6 respectively to meet European Type Approval (95/09-7077).
 L1 & L1A Added in place of L1 (065-00010-20) to meet European Type Approval (95/09-7077).
 C19 10n (022-55100-10) deleted from circuit to increase stability of short circuit test (95/08-7024).
 C100 10n added to underside of PCB to increase stability of short circuit test (95/08-7024).
 C101 100p added to underside of PCB to increase stability of short circuit test (95/08-7024).
 PL-2 Deleted from Parts List. Only fitted to T808-10 (95/11-7106).

Important mechanical assembly changes to this issue are as follows:

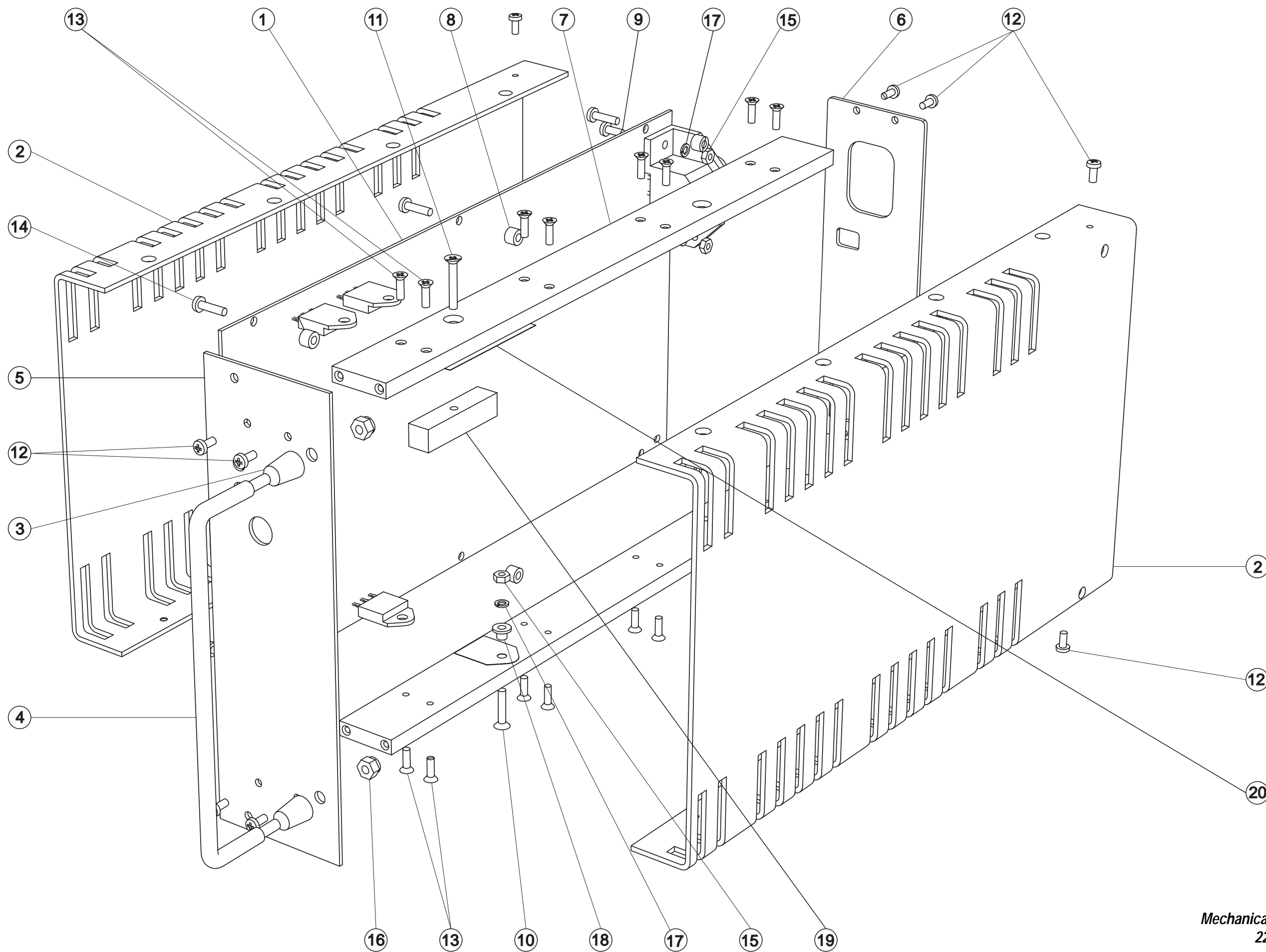
Rear Panel Changed from 316-21177-02 to -03. Change temperature rating from $T_a=60^{\circ}\text{C}$ to $T_a=40^{\circ}\text{C}$ (96/05-7070).

Ref	Var	IPN	Description	Ref	Var	IPN	Description
*C1		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C57		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S
*C2		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C59		011-54100-01	CAP CER AI 1N 10% T/C B 63V
*C3		022-06680-04	CAP MYLAR 680N +- 20% 250VAC APPROVED	C60		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V
*C4		022-06680-04	CAP MYLAR 680N +- 20% 250VAC APPROVED	C61		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S
*C5		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C62		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
*C5A		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C63		022-57100-02	CAP MYLAR AI 1M 20% 50V POTTED
*C6		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C65		020-09470-07	CAP 470M 16V 20% ELEC VERT 8*20 3.5MM L/S LO-ESR
*C6A		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C66		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C9		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	C67		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C10		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	*C68		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C11		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	*C69		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C12		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	*C70		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C13		024-06680-08	CAP POLYPR AXIAL 680N 20% 250VDC	*C71		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C14		024-06680-08	CAP POLYPR AXIAL 680N 20% 250VDC	*C72		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
*C15		010-03220-03	CAP CER 220P 10% T/C B 6KV	*C73		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
C16		025-07100-01	CAP TANT BEAD 1M 35V	C74		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C17		011-53470-02	CAP CER AI 470P 10% T/C B 63V	C75		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C18		011-03680-01	CAP CER 680P 10% N1K5 50/63V	C78		020-09820-01	CAP 820M 16V ELECT 10X25MM
C20		010-04100-04	CAP CER 1N 10% T/C B 400V	C79		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C21		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C80		010-04100-04	CAP CER 1N 10% T/C B 400V
C22		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C81		010-04100-04	CAP CER 1N 10% T/C B 400V
C23		020-08470-07	CAP ELECT RADL 47M 16V 8X11.5MM HI TEMP	C82		010-04100-04	CAP CER 1N 10% T/C B 400V
C24		020-07100-04	CAP ELECT RADL 1M 63V 8X12MM HI TEMP	C84		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C25		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	C85		011-52330-01	CAP CER AI 33P 5% N150 50/63V
C26		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C86		022-54100-10	CAP MYLAR AI 1N 5% 63V POTTED
C27		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C87		022-54220-10	CAP MYLAR AI 2N2 5% 63V POTTED
C31		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C88		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED
C32		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C89		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C33		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C90		010-04100-04	CAP CER 1N 10% T/C B 400V
C34		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	C91		010-04100-04	CAP CER 1N 10% T/C B 400V
C35		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C95		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C37		020-19220-04	CAP 2200M ELEC 35V 16X35 L ESR	C96		022-56100-10	CAP MYLAR AI 100N 5% 63V POTTED
C38		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C98		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S
C39		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C99		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C42		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C100		019-55100-01	CAP MONOLITHIC AI 10N 5% COG 50V
C43		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C101		011-03100-06	CAP CER 100P 5% N750 50/63V
C44		025-07100-01	CAP TANT BEAD 1M 35V	D1		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C45		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D2		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C46		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D3		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C49		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D4		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C50		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	D5		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C51		010-04100-04	CAP CER 1N 10% T/C B 400V	D6		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C54		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D7		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C55		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R				
C56		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S				

Ref	Var	IPN	Description	Ref	Var	IPN	Description
D8		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R39		030-54390-20	RES FILM AI 3K9 5% 0.4W 4X1.6MM
D11		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R40		030-54820-20	RES FILM AI 8K2 5% 0.4W 4X1.6MM
D12		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R41		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
D13		008-00014-73	(S) LED HLMP5050 GREEN RT ANGLE PCB MTG	R43		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
D14		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH	R44		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
*D15		001-00012-27	(S) DIODE BYV28-200 3.5A/200V FAST SWITCH	R45		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM
*D18		001-00012-27	(S) DIODE BYV28-200 3.5A/200V FAST SWITCH	R46		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D19		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH	R47		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
D20		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R48		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM
D21		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R49		049-00140-10	VARISTOR 140VRMS 180VDC 42 JOULES
D22		001-00013-40	(S) DIODE SCHOTTKY BAT85 0.2A/30V	R50		030-54220-20	RES FILM AI 2K2 5% 0.4W 4X1.6MM
D23		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG	R51		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D24		001-00011-70	(S) DIODE 1N4001 1A/50V	R52		030-56180-20	RES FILM AI 180K 5% 0.4W 4X1.6MM
D25		001-00011-70	(S) DIODE 1N4001 1A/50V	R53		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
D26		001-00011-70	(S) DIODE 1N4001 1A/50V	R54B		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
D27		001-00011-70	(S) DIODE 1N4001 1A/50V	R55		045-05100-01	RES NTC 10K 5% 5MM DISC
D30		001-00011-70	(S) DIODE 1N4001 1A/50V	R56		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D31		001-00015-19	(S) DIODE ZENER 5V6 0.4W 2% BZX79/B5V6	R57		030-55270-20	RES FILM AI 27K 5% 0.4W 4X1.6MM
D32		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG	R58		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D36		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R59		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
D37		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R60		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D38		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R61		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
D41		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R62		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
D43		001-00011-45	(S) DIODE DUAL 30A/90V 30CPQ90	R63		030-52330-20	RES FILM AI 33E 5% 0.4W 4X1.6MM
*F1		265-00010-51	FUSE 5.0A 250V SLOW BLOW 5X20	R64		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
FC1		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R65		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
FC2		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R66		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
IC1		002-00012-40	(S) IC 358 DUAL OP AMP	R67		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC2		002-00010-81	(S) IC 7815 +15V 1AMP TO -220 3PIN	R68		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM
IC3		002-00012-40	(S) IC 358 DUAL OP AMP	R69		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM
IC4		002-00016-61	(S) IC 3525A SMPS CTRL	R70		030-53270-20	RES FILM AI 270E 5% 0.4W 4X1.6MM
IC5		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R71		030-54330-20	RES FILM AI 3K3 5% 0.4W 4X1.6MM
IC6		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R72		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
IC7		002-00020-58	(S) IC CNX62A OPTOCOUPLER 250VAC APPRVD	R73		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC8		002-00014-15	(S) IC TL431 SHUNT REG TO-92	R74		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
*L1		056-00010-50	CHOKO 16UH +20% DIFF MODE	R75		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
*L1A		056-00010-50	CHOKO 16UH +20% DIFF MODE	R76		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
L2		056-00010-36	CHOKO FLTR 0.5MH COMM MODE	R79A		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
L3		056-00021-20	IND FXD 2MH 5AMP TOROIDAL	R79B		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
L4		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R80		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
L5		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R80A		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
L6		065-00010-20	BEAD FERRITE BALUN 4B1 PHILIPS	R80B		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM
L7		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	*R81		032-33150-01	RES M/F PWR 150E 5% 2.5W 17X5MM
L8		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	RV81		042-05100-06	RES PRESET 10K CARBON 6MM FLAT
Note: Fit L4 & L5 On Leads Of C20 Fit L7 & L8 On Leads Of C51				*R82		032-33150-01	RES M/F PWR 150E 5% 2.5W 17X5MM
*Q1		000-00012-63	(S) XSTR MTP4N50 PWR MOSFET 500V TO220	R83		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
*Q2		000-00012-63	(S) XSTR MTP4N50 PWR MOSFET 500V TO220	R84		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
Q3		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	R85		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM
Q4		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R86		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
Q6		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92	R87		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
Q7		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	R88		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
Q8		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	R89		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
Q9		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92	R90		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
Q10		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R91		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
Q11		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	RV92		042-03470-06	RES PRESET 470E CARBON 6MM FLAT
Q12		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R93		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM
Q13		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R94		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM
R1		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM	R95		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM
R1		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM	R96		030-54680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM
R2		049-00275-40	VARISTOR 275V AC 140JOULES 20MM DIA.	R98		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
R3		035-02100-93	RES WIRE WOUND 10E 5W 19X8MM	R99		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
R4		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM	R100		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
R5		030-56270-20	RES FILM AI 270K 5% 0.4W 4X1.6MM	R101		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
R6		030-56390-20	RES FILM AI 390K 5% 0.4W 4X1.6MM	R102		030-56470-20	RES FILM AI 470K 5% 0.4W 4X1.6MM
R7		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM	R103		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
R8		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM	R104		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
R9		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM	R105		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
R11		032-33100-02	RES M/F PWR 100E 5% 6W 33X9MM	RLY1		237-00010-30	RELAY 12V COIL 240V 10A SPDT
*R12		030-53180-20	RES FILM AI 180E 5% 0.4W 4X1.6MM	SW1		233-00010-07	SWITCH DPDT 115/230V 6PIN
R13A		030-52680-20	RES FILM AI 68E 5% 0.4W 4X1.6MM	SW2		232-00020-28	PUSH SWITCH PCB MTG
R13B		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM	SK-3		240-00010-23	PLUG 3 PIN 10AMP 250V PCB MTG
R14		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM	SK-4		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
*R17		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM	SK-5		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
R18		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM	SK-6		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
*R19		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM	SK-7		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
R20		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM	SK-8		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
R24		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM	T1		053-00010-58	XFMR T4073 T807/808 SWITCHING
RV25		042-03470-06	RES PRESET 470E CARBON 6MM FLAT	T2		053-00010-59	XFMR T4074 T807/808 CURRENT SENSE
R26		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM	T3		053-01060-02	XFMR T4075 T807/808 MOSFET DRIVE
R27		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM	T4		053-00010-63	XFMR T4079 MAINS 5VA 18V
R28		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM	*T5		056-00010-39	CHOKO T4072 T807 DIFFNL MODE ETD39
R29		030-54270-20	RES FILM AI 2K7 5% 0.4W 4X1.6MM	T6		056-00010-38	CHOKO T4071 T807-808 DIFFNL MODE
R30		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM	TC1		239-00010-06	SW THERM PEPI 100C BARE TERML.C/W SLEEVE
R32		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM				
R33		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM				
R34		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R35		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R36		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM				
R37		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM				
R38		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				

T807 Mechanical & Miscellaneous Parts (220-01183-05)

IPN	Legend	Description	IPN	Legend	Description
200-00010-35		WIRE T/C 1.5MM ² /1.4MM For L6. 35mm	353-00010-12	17	WASHER M3 SPRING BZ OR Z/C D43 x1, Mains Socket x2, IC2 x1
201-00051-15		WIRE APPLC 1MM ² GREEN HI TEMP PVC85 For Earth Lead	356-00020-06		RECEPTL 6.3MM QUICK CONN FLARED INS For Earth Lead
201-00060-09		WIRE REMIT 0.8MM ² PVC WHITE For Cut Out Switch on T1	356-00020-07		RECEPTL M3.5QUICK CONN M3.5 OPEN END For Earth Lead
209-00010-26		TAPE COPPER 19MM * 0.08MM SCOTCH 1181 For taping switch to T1	356-00020-21		TAB 6.3MM RT ANGLE SPADE CAR QCK CONN PCB Mounted Earth Connector
220-01183-05	1	PCB T807/T808 SMPS 2 OUNCE COPPER	362-00010-13	18	BUSH INSULATING 1.1MM TOP HAT D43 Mounting x1
240-02010-22		SKT MAINS 3PIN FLEX 2M/10A	362-01024-00	19	INSULATOR 54*30 AS PER DRWG A4M2431 Q1/Q2 x1, D43 x1
240-06010-27		BLANKING PLATE 2.5MM GREEN Fitted to SK-8	362-01052-00	20	XSTR CLAMPING BRKT T807/808 A4M2407 Bracing bracket for Q1 & Q2 x1
303-23128-01	2	COVR SIDE A2M2403/2 T807/808 COMP SCRNM	365-00011-54		LABEL WHITE RW 1556/2 90X24MM SPEC AD For outside of box
306-01010-00	3	FERRULE A4M948 HANDLE FXD EQUIP Place on handle x2	365-00013-59		LABEL T807/808 HI VOLT WARNING A4A651
307-02029-00		GUIDE REAR T807/808 A3M2409 Packed in box x2	365-00100-05		LABEL BLANK 50X9MM S/A METLSD POLYES Mounting Kit x1 (in bag) NB/ Label is to be placed over top of screened version on panel if power supply is to be 115 Volts
308-01007-00	4	HANDLE A4M949 FXD EQUIP Front Panel	365-01391-01		LABEL BLNK 30X10.8MM TAMPERMARK VOID Ser No x1, Job No x1, Rev No x1 & Elec Insp x1
308-13088-00		HSINK CLIP ON 14 OR 16 DIP INT CCTS ICs 4, 5 & 6	*365-01500-00		LABEL CE CONFORMITY 12*24MM Placed on outside of box
308-13091-00		HSINK PCB MTG TO-220 Heatsink for IC2 mounting to PCB	399-00010-10		RUBBER BAND NO 33
311-00010-39		KNOB RED PLASTIC ROUND Pushes on to SW2	399-00010-51		BAG PLASTIC 75*100MM For Mounting Kit
316-06398-01	5	PNL FRT COMPL T807 A3M2405/2	400-00020-01		SLEEVING 0.7MM SIL RUBBER For Legs of R13A, R47 & R64
316-21177-03	6	PNL REAR A3M2427/2 T807 COMPL SCRNM	400-00020-03		SLEEVING 1MM SIL RUBBER For Legs of R3, R11, 79A, R79B, R81 & R82
318-01018-00	7	RAIL CHASSIS T807/808 A3M2404 Attached to PCB x2	400-00020-05		SLEEVING 1.5MM SIL RUBBER
*319-01189-00		SHIELD, T807 MAINS FILTER Fitted to underside of PCB across input	400-00020-07		SLEEVING 2MM SIL RUBBER Goes over wire on L6.
319-30030-01	8	SPACER A4M1115 T807/808 Between P.C.B. & Rails x6	410-01081-00		CRTN T800 KIWI REF22860 402X192X66MM
345-00040-06	9	SCREW M3*8MM PAN POZI ST BZ SK-3 x2, Mounting Kit x2 (in bag)	410-01082-00		CRTN 10 T800 KIWI REF24417 423X410X360
345-00040-12		SCREW M3X10MM CSK POZI ST BZ Mounting Kit x6 (in bag)			
345-00040-17	10	SCREW M3*16MM CSK POZI ST BZ D43 x1			
345-00040-24	11	SCREW M3X20MM CSK POZI ST BZ Q1/Q2 Bracing Bracket x2			
349-00020-07	12	SCREW 4-40 X 5/16 PAN POZI TAPTITE BLACK Front x4, Rear x4, Cover x4			
349-00020-08	13	SCREW TAPTITE 4-40X3/8IN CSK POZI BZ Covers to rails x16			
349-00020-34	14	SCREW M3*12 PAN POZI TAPTITE BZ P.C.B. to rails x6			
352-00010-08	15	NUT M3 COLD FORM HEX ST BZ D43 x1, Mains Socket x2, IC2 x1, Mounting Kit x2 (in bag)			
352-00010-29	16	NUT M4 NYLOC HEX Handle x2			
353-00010-10		WASHER M3 FLAT 7MM*0.6MM ST BZ Mounting Kit x2 (in bag)			



T807
Mechanical Assembly
220-01183-05

T808 Parts List (IPN 220-01183-05)

How To Use This Parts List

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc) and those without (miscellaneous and mechanical). Static sensitive devices are prefixed with (S).

Those with a circuit reference are grouped by component type in numerical order. Each component entry comprises three or four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this component is fitted only to that variant.

The miscellaneous and mechanical section lists the parts in IPN order and where possible the legend indicates their position on the exploded view.

Parts List Amendments

C19 10n (022-55100-10) deleted from circuit to increase stability of short circuit test (95/08-7024).
 C100 10nF added to underside of PCB to increase stability of short circuit test (95/08-7024).
 C101 100pF added to underside of PCB to increase stability of short circuit test (95/08-7024).
 C104 1nF added to underside of PCB to increase stability of short circuit test (96/01-7003).
 R106 & R107 100E added in series with D20 & D21 to increase stability of short circuit test (96/01-7003).
 L9 & L10 F8 Ferrite Bead fitted over R17 & R19 to increase stability of short circuit test (96/01-7003).

Important mechanical assembly changes to this issue are as follows:

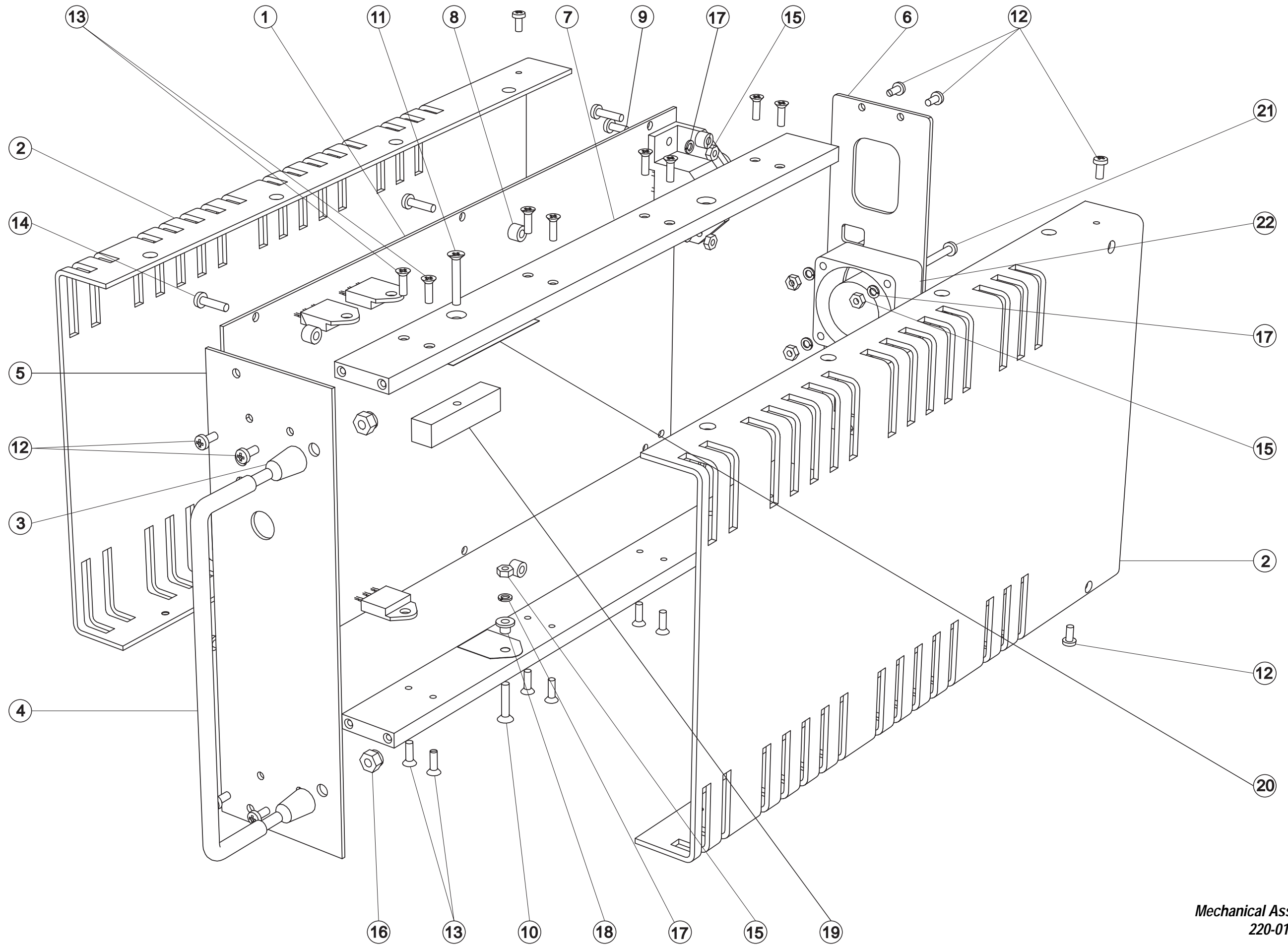
Rear Panel Changed from 316-21176-02 to -03. Change temperature rating from $T_a=60^{\circ}\text{C}$ to $T_a=40^{\circ}\text{C}$ (96/05-7070).

Ref	Var	IPN	Description	Ref	Var	IPN	Description
*C1		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED	C66		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C2		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED	C67		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC
*C3		022-06470-04	CAP MYLAR 470N 10% 250VAC	*C68		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C4		022-06470-04	CAP MYLAR 470N 10% 250VAC	*C69		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C5		012-04220-06	CAP CER 2N2 3-PIN SUPPR FLTR	*C70		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C6		012-04220-06	CAP CER 2N2 3-PIN SUPPR FLTR	*C71		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C9		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MML/S	*C72		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C10		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MML/S	*C73		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
*C11		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MML/S	C74		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
*C12		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MML/S	C75		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
*C13		024-07100-00	CAP 1M 250VDC 5% POLYPROP.22.5 L/S	C78		020-09820-01	CAP 820M 16V ELECT 10X25MM
*C14		024-07100-00	CAP 1M 250VDC 5% POLYPROP.22.5 L/S	C79		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
*C15		010-03470-03	CAP 470P T/C B 10% 6KV CER	C80		010-04100-04	CAP CER 1N 10% T/C B 400V
C16		025-07100-01	CAP TANT BEAD 1M 35V	C81		010-04100-04	CAP CER 1N 10% T/C B 400V
C17		011-53470-02	CAP CER AI 470P 10% T/C B 63V	C82		010-04100-04	CAP CER 1N 10% T/C B 400V
C18		011-03680-01	CAP CER 680P 10% N1K5 50/63V	C84		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C20		010-04100-04	CAP CER 1N 10% T/C B 400V	C85		011-52330-01	CAP CER AI 33P 5% N150 50/63V
C21		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C86		022-54100-10	CAP MYLAR AI 1N 5% 63V POTTED
C22		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C87		022-54220-10	CAP MYLAR AI 2N2 5% 63V POTTED
C23		020-08470-07	CAP ELECT RADL 47M 16V 8X11.5MM HI TEMP	C88		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED
C24		020-07100-04	CAP ELECT RADL 1M 63V 8X12MM HI TEMP	C89		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C25		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	C90		010-04100-04	CAP CER 1N 10% T/C B 400V
C26		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C91		010-04100-04	CAP CER 1N 10% T/C B 400V
C27		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C95		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C31		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C96		022-56100-10	CAP MYLAR AI 100N 5% 63V POTTED
C32		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C98		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S
C33		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	C99		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C34		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	C100		019-55100-01	CAP MONOLITHIC AI 10N 5% COG 50V
C35		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C101		011-03100-06	CAP CER 100P 5% N750 50/63V
C37		020-19220-04	CAP 2200M ELEC 35V 16X35 L ESR	*C104		011-04100-02	CAP CER 1N0 2.5MM 10% T/C B 50V
C38		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D1		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C39		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D2		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C42		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D3		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C43		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D4		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C44		025-07100-01	CAP TANT BEAD 1M 35V	D5		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C45		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D6		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C46		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D7		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C49		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D8		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C50		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	D11		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C51		010-04100-04	CAP CER 1N 10% T/C B 400V	D12		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C54		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D13		008-00014-73	(S) LED HLMP5050 GREEN RT ANGLE PCB MTG
C55		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D14		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C56		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	*D15		001-00011-06	(S) DIODE MUR440 ULTRAFast 400V 4A
C57		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	D18		001-00011-06	(S) DIODE MUR440 ULTRAFast 400V 4A
C59		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D19		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C60		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V	D20		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C61		025-08100-04	(L) CAP 10M 35V 10% TANT 2.5MM L/S	D21		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C62		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D22		001-00013-40	(S) DIODE SCHOTTKY BAT85 0.2A/30V
C63		022-57100-02	CAP MYLAR AI 1M 20% 50V POTTED	D23		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG
C65		020-09470-07	CAP 470M 16V 20% ELEC VERT 8*20 3.5MM L/S LO-ESR	D24		001-00011-70	(S) DIODE 1N4001 1A/50V

Ref	Var	IPN	Description	Ref	Var	IPN	Description
D25		001-00011-70	(S) DIODE 1N4001 1A/50V	R48		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM
D26		001-00011-70	(S) DIODE 1N4001 1A/50V	R49		049-00140-10	VARISTOR 140VRMS 180VDC 42 JOULES
D27		001-00011-70	(S) DIODE 1N4001 1A/50V	R50		030-54220-20	RES FILM AI 2K2 5% 0.4W 4X1.6MM
D30		001-00011-70	(S) DIODE 1N4001 1A/50V	R51		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D31		001-00015-19	(S) DIODE ZENER 5V6 0.4W 2% BZX79/B5V6	R52		030-56180-20	RES FILM AI 180K 5% 0.4W 4X1.6MM
D32		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG	R53		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
D36		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R54B		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
D37		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R55		045-05100-01	RES NTC 10K 5% 5MM DISC
D38		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R56		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D41		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R57		030-55270-20	RES FILM AI 27K 5% 0.4W 4X1.6MM
D43		001-00011-45	(S) DIODE DUAL 30A/90V 30CPQ90	R58		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
*F1		265-00010-51	FUSE 5.0A 250V SLOW BLOW 5X20	R59		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
FC1		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R60		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
FC2		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R61		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
IC1		002-00012-40	(S) IC 358 DUAL OP AMP	R62		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
IC2		002-00010-81	(S) IC 7815 +15V 1AMP TO -220 3PIN	R63		030-52330-20	RES FILM AI 33E 5% 0.4W 4X1.6MM
IC3		002-00012-40	(S) IC 358 DUAL OP AMP	R64		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
IC4		002-00016-61	(S) IC 3525A SMPS CTRL	R65		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
IC5		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R66		030-54150-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC6		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R67		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC7		002-00020-58	(S) IC CNX62A OPTOCOUPLER 250VAC APPRVD	R68		030-56100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC8		002-00014-15	(S) IC TL431 SHUNT REG TO-92	R69		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM
*L1		065-00010-20	BEAD FERRITE BALUN 4B1 PHILIPS	R70		030-53270-20	RES FILM AI 270E 5% 0.4W 4X1.6MM
L2		056-00010-36	CHOKE FLTR 0.5MH COMM MODE	R71		030-54330-20	RES FILM AI 3K3 5% 0.4W 4X1.6MM
L3		056-00021-20	IND FXD 2MH 5AMP TOROIDAL	R72		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
L4		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R73		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
L5		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R74		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
L6		065-00010-20	BEAD FERRITE BALUN 4B1 PHILIPS	R75		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
L7		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R76		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
L8		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R79A		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
*L9		065-00010-04	BEAD FERRITE F8 4X2X5MM	R79B		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
*L10		065-00010-04	BEAD FERRITE F8 4X2X5MM	R80		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
Note: Fit L4 & L5 On Leads Of C20 Fit L7 & L8 On Leads Of C51 Fit L9 Over Body Of R17 Fit L10 Over Body Of R19				R80A		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
PL2		240-00020-72	HEADER 2 WAY PCB MTG ULTRTEX	R80B		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM
*Q1		000-00012-61	(S) XSTR MTH7N50 NCHAN PWR MOS 7A 500V	*R81		032-33120-01	RES M/F PWR 120E 5% 17*5 2.5 W
*Q2		000-00012-61	(S) XSTR MTH7N50 NCHAN PWR MOS 7A 500V	RV81		042-05100-06	RES PRESET 10K CARBON 6MM FLAT
Q3		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	*R82		032-33120-01	RES M/F PWR 120E 5% 17*5 2.5 W
Q4		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R83		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
Q6		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92	R84		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
Q7		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	R85		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM
Q8		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG	R86		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
Q9		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92	R87		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
Q10		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R88		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
Q11		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R89		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
Q12		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R90		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
Q13		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG	R91		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
R1		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM	RV92		042-03470-06	RES PRESET 470E CARBON 6MM FLAT
R2		049-00275-40	VARISTOR 275V AC 140JOULES 20MM DIA.	R93		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM
R3		035-02100-93	RES WIRE WOUND 10E 5W 19X8MM	R94		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM
R4		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM	R95		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM
R5		030-56270-20	RES FILM AI 270K 5% 0.4W 4X1.6MM	R96		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
R6		030-56390-20	RES FILM AI 390K 5% 0.4W 4X1.6MM	R98		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
R7		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM	R99		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
R8		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM	R100		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
R9		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM	R101		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
R11		032-33100-02	RES M/F PWR 100E 5% 6W 33X9MM	R102		030-56470-20	RES FILM AI 470K 5% 0.4W 4X1.6MM
*R12		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM	R103		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
R13A		030-52680-20	RES FILM AI 68E 5% 0.4W 4X1.6MM	R104		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
R13B		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM	R105		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
R14		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM	*R106		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
*R17		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM	*R107		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
R18		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM	RLY1		237-00010-30	RELAY 12V COIL 240V 10A SPDT
*R19		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM	SW1		233-00010-07	SWITCH DPDT 115/230V 6PIN
R20		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM	SW2		232-00020-28	PUSH SWITCH PCB MTG
R24		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM	SK-3		240-00010-23	PLUG 3 PIN 10AMP 250V PCB MTG
RV25		042-03470-06	RES PRESET 470E CARBON 6MM FLAT	SK-4		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
R26		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM	SK-5		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
R27		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM	SK-6		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
R28		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM	SK-7		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
R29		030-54270-20	RES FILM AI 2K7 5% 0.4W 4X1.6MM	T1		053-00010-58	XFMR T4073 T807/808 SWITCHING
R30		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM	T2		053-00010-59	XFMR T4074 T807/808 CURRENT SENSE
R32		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM	T3		053-01060-02	XFMR T4075 T807/808 MOSFET DRIVE
R33		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM	T4		053-00010-63	XFMR T4079 MAINS 5VA 18V
R34		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM	*T5		056-00010-49	CHOKE T4080 T808 DIFFNL MODE ETD39
R35		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM	T6		056-00010-38	CHOKE T4071 T807-808 DIFFNL MODE
R36		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM	TC1		239-00010-06	SW THERM PEPI 100C BARE TERML.C/W SLEEVE
R37		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM				
R38		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R39		030-54390-20	RES FILM AI 3K9 5% 0.4W 4X1.6MM				
R40		030-54820-20	RES FILM AI 8K2 5% 0.4W 4X1.6MM				
R41		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM				
R43		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM				
R44		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R45		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM				
R46		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R47		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM				

T808 Mechanical & Miscellaneous Parts (220-01183-05)

IPN	Legend	Description	IPN	Legend	Description
200-00010-35		WIRE T/C 1.5MM/1.4MM For L1 & L6. 35mm each	352-00010-08	15	NUT M3 COLD FORM HEX ST BZ D43 x1, Mains Socket x2, IC2 x1, Fan x4, Mounting Kit x2 (in bag)
201-00051-15		WIRE APPLC 1MM ² GREEN HI TEMP PVC85 For Earth Lead	352-00010-29	16	NUT M4 NYLOC HEX Handle x2
201-00060-09		WIRE REMIT 0.8MM ² PVC WHITE For Cut Out Switch on T1	353-00010-10		WASHER M3 FLAT 7MM*0.6MM ST BZ Mounting Kit x2 (in bag)
209-00010-26		TAPE COPPER 19MM * 0.08MM SCOTCH 1181 For taping switch to T1	353-00010-12	17	WASHER M3 SPRING BZ OR Z/C D43 x1, Mains Socket x2, IC2 x1, Fan x4
220-01183-05	1	PCB T807/T808 SMPS 2 OUNCE COPPER	356-00020-06		RECEPTL 6.3MM QUICK CONN FLARED INS For Earth Lead
240-02010-22		SKT MAINS 3PIN FLEX 2M/10A	356-00020-07		RECEPTL M3.5QUICK CONN M3.5 OPEN END For Earth Lead
*240-04020-72		SOCKET HOUSING 2 WAY MTG ULTREX To connect fan to PL-2	356-00020-21		TAB 6.3MM RT ANGLE SPADE CAR QCK CONN PCB Mounted Earth Connector
*240-04020-76		SKT RECEPTACLES WIRE CRIMP ULTREX To connect fan to PL-2	362-00010-13	18	BUSH INSULATING 1.1MM TOP HAT D43 Mounting x1
240-06010-27		BLANKING PLATE 2.5MM GREEN Fitted to SK-8	362-01024-00	19	INSULATOR 54*30 AS PER DRWG A4M2431 Q1/Q2 x1, D43 x1
*258-00010-04	22	FAN 12V 40 x 40 x 20 TUBE AXIAL Mount to rear panel	362-01052-00	20	XSTR CLAMPING BRKT T807/808 A4M2407 Bracing bracket for Q1 & Q2 x1
303-23128-01	2	COVR SIDE A2M2403/2 T807/808 COMP SCRNB	365-00011-54		LABEL WHITE RW 1556/2 90X24MM SPEC AD For outside of box
306-01010-00	3	FERRULE A4M948 HANDLE FXD EQUIP Place on handle x2	365-00013-59		LABEL T807/808 HI VOLT WARNING A4A651
307-02029-00		GUIDE REAR T807/808 A3M2409 Packed in box x2	365-00100-05		LABEL BLANK 50X9MM S/A METLSD POLYES Mounting Kit x1 (in bag) NB/ Label is to be placed over top of screened version on panel if power supply is to be 115 Volts
308-01007-00	4	HANDLE A4M949 FXD EQUIP Front Panel	365-01391-01		LABEL BLNK 30X10.8MM TAMPERMARK VOID Ser No x1, Job No x1, Rev No x1 & Elec Insp x1
308-13088-00		HSINK CLIP ON 14 OR 16 DIP INT CCTS ICs 4, 5 & 6	399-00010-10		RUBBER BAND NO 33
308-13091-00		HSINK PCB MTG TO-220 Heatsink for IC2 mounting to PCB	399-00010-51		BAG PLASTIC 75*100MM For Mounting Kit
311-00010-39		KNOB RED PLASTIC ROUND Pushes on to SW2	400-00020-01		SLEEING 0.7MM SIL RUBBER For Legs of R13A, R47 & R64
316-06399-01	5	PNL FRT COMPL T807 A3M2405/2	400-00020-03		SLEEING 1MM SIL RUBBER For Legs of R3, R11, 79A, R79B, R81 & R82
316-21176-03	6	PNL REAR A3M2427/2 T807 COMPL SCRNB	400-00020-05		SLEEING 1.5MM SIL RUBBER
318-01018-00	7	RAIL CHASSIS T807/808 A3M2404 Attached to PCB x2	400-00020-07		SLEEING 2MM SIL RUBBER Goes over wire for L1 & L6.
319-30030-01	8	SPACER A4M1115 T807/808 Between P.C.B. & Rails x6	410-01081-00		CRTN T800 KIWI REF22860 402X192X66MM
345-00040-06	9	SCREW M3*8MM PAN POZI ST BZ SK-3 x2, Mounting Kit x2 (in bag)	410-01082-00		CRTN 10 T800 KIWI REF24417 423X410X360
345-00040-12		SCREW M3X10MM CSK POZI ST BZ Mounting Kit x6 (in bag)			
345-00040-17	10	SCREW M3*16MM CSK POZI ST BZ D43 x1			
*345-00040-19	21	SCREW M3*25MM PAN POZI ST BZ Fan x4			
345-00040-24	11	SCREW M3X20MM CSK POZI ST BZ Q1/Q2 Bracing Bracket x1			
349-00020-07	12	SCREW 4-40 X 5/16 PAN POZI TAPTITE BLACK Front x4, Rear x4, Cover x4			
349-00020-08	13	SCREW TAPTITE 4-40X3/8IN CSK POZI BZ Covers to rails x16			
349-00020-34	14	SCREW M3*12 PAN POZI TAPTITE BZ P.C.B. to rails x6			



T808
Mechanical Assembly
220-01183-05

T807/808 Grid Reference Index (IPN 220-01183-05)

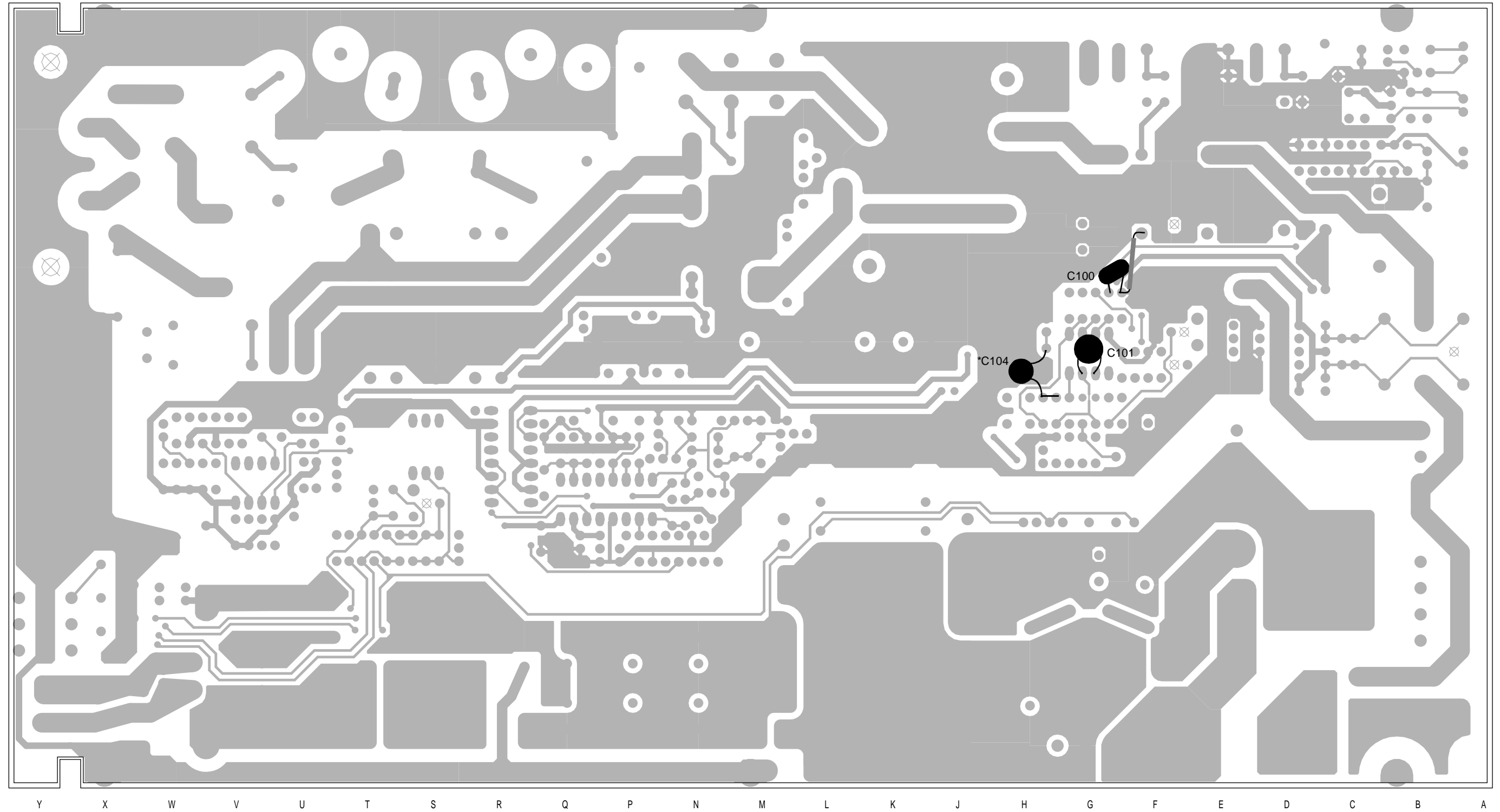
How To Use This Grid Reference Index

The first digit in the PCB layout reference is a "1" or "2", indicating the top or bottom side layout respectively, and the last two characters give the location of the component on that diagram.

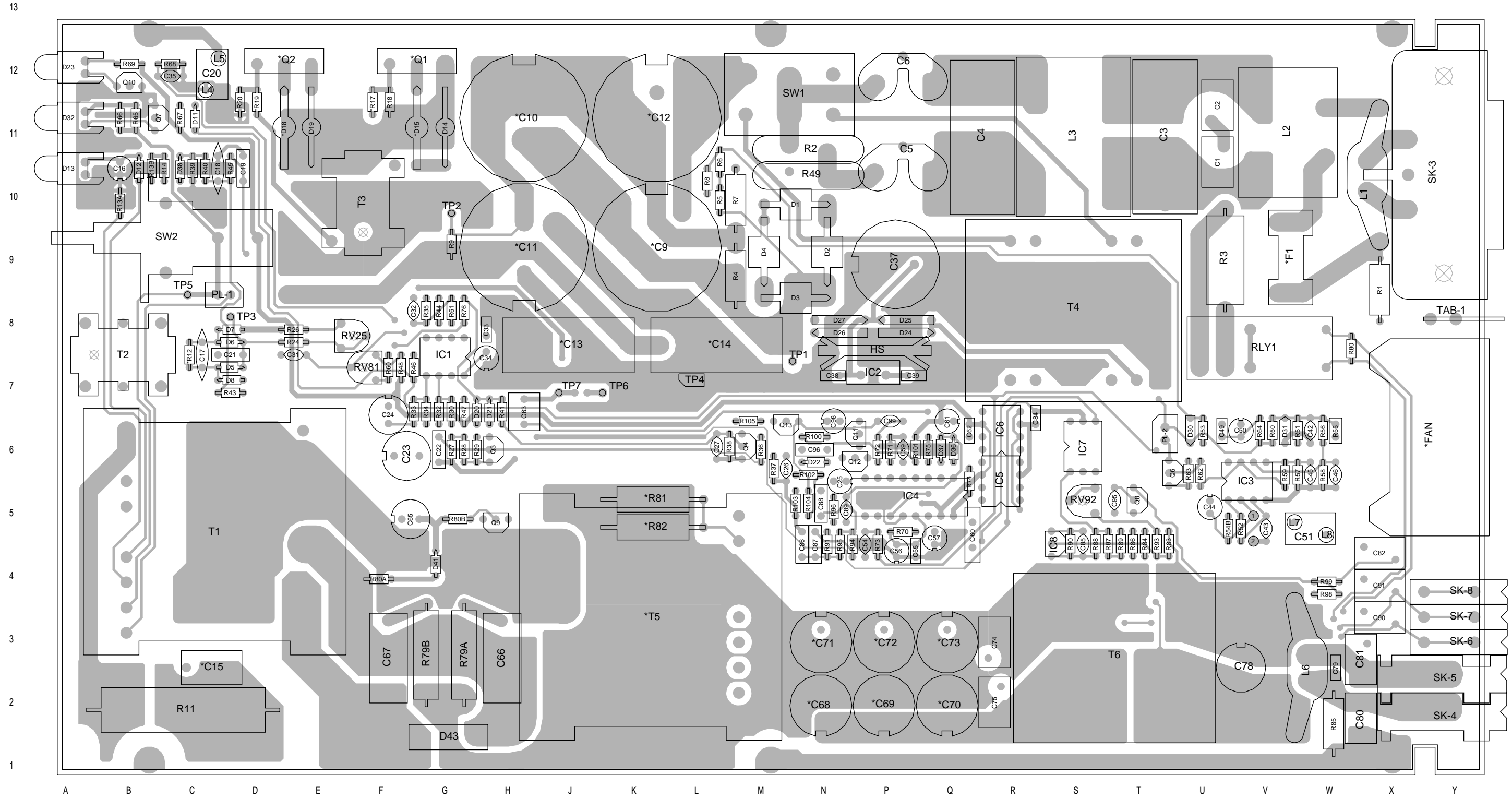
The first digit in the circuit diagram reference is the sheet number, and the last two characters give the location of the component on that sheet.

Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit
*C1	1:U11	1-C6	*C72	1:P3	1-M8	IC1	1:G8	1-M4	R20	1:D12	1-M4
*C2	1:U12	1-C5	*C73	1:Q3	1-N8			1-Q3	R24	1:D8	1-K4
*C3	1:T11	1-C6	C74	1:R3	1-N9			1-M0	RV25	1:F8	1-K4
*C4	1:R11	1-D6	C75	1:R2	1-N8	IC2	1:P7	1-D3	R26	1:E8	1-K3
*C5	1:P10	1-D6	C78	1:V3	1-P8	IC3	1:U5	1-G2	R27	1:G6	1-L4
*C5A	1:P10		C79	1:W3	1-Q8			1-G0	R28	1:G6	1-L4
*C6	1:P12	1-D5	C80	1:X2	1-R9			1-D1	R29	1:H6	1-L3
*C6A	1:P12		C81	1:X3	1-R8	IC4	1:Q6	1-L0	R30	1:G7	1-M4
*C9	1:K9	1-F6	C82	1:X4	1-R7	IC5	1:R5	1-M1	R32	1:G6	1-M4
*C10	1:H11	1-G6	C84	1:R7	1-N6			1-N1	R33	1:G7	1-M3
*C11	1:H9	1-F5	C85	1:S4	1-P6			1-L0	R34	1:G7	1-M3
*C12	1:K11	1-G5	C86	1:N4	1-P5	IC6	1:R6	1-M1	R35	1:G8	1-N3
*C13	1:J8	1-H5	C87	1:N5	1-P5			1-N1	R36	1:M6	1-M3
*C14	1:L8	1-H6	C88	1:N5	1-Q5			1-L0	R37	1:M6	1-N2
*C15	1:D3	1-H5	C89	1:N5	1-R5	IC7	1:S6	1-N6	R38	1:M6	1-N2
C16	1:B11	1-K5	C90	1:X3	1-R6	IC8	1:S5	1-P5	R39	1:C10	1-J6
C17	1:C8	1-J4	C91	1:X4	1-R5	*L1	1:X10	1-A6	R40	1:C10	1-K6
C18	1:C10	1-K6	C95	1:T5	1-P7	*L1A	1:X11		R41	1:H7	1-N3
C19	1:D10	1-L6	C96	1:N6	1-J1	L2	1:V11	1-B6	R43	1:C7	1-K6
C20	1:C12	1-K4	C98	1:N7	1-G1	L3	1:S11	1-C6	R44	1:G8	1-Q3
C21	1:D8	1-J3	C99	1:P7	1-K1	L4	1:C12	1-K4	R45	1:D11	1-K6
C22	1:G6	1-L4	C100	2:F9		L5	1:C12	1-K3	R46	1:G7	1-K0
C23	1:F6	1-M4	C101	2:G8		L6	1:W3	1-Q9	R47	1:G6	1-N0
C24	1:F7	1-M3	*C104	2:H7		L7	1:W5	1-D0	R48	1:F7	1-P3
C25	1:N6	1-M2	D1	1:N10	1-F6	L8	1:W5	1-D0	R49	1:N10	1-B2
C26	1:M6	1-M2	D2	1:N9	1-F6	*L9	1:F12		R50	1:V6	1-E2
C27	1:L6	1-N2	D3	1:N8	1-F6	*L10	1:D12		R51	1:W7	1-F2
C31	1:E8	1-Q3	D4	1:M9	1-F6	PL-1	1:D9	1-B0	R52	1:V5	1-G3
C32	1:G8	1-Q3	D5	1:D7	1-J4			1-E3	R53	1:U7	1-F2
C33	1:H8	1-M0	D6	1:D8	1-J4	*PL-2	1:T6	1-H0	R54B	1:U5	1-F2
C34	1:H8	1-N0	D7	1:C8	1-J3	*Q1	1:G12	1-L5	R55	1:W6	1-E1
C35	1:C12	1-Q1	D8	1:C7	1-J3	*Q2	1:E12	1-L4	R56	1:W6	1-F0
C37	1:P9	1-C2	D11	1:C12	1-H2	Q3	1:H6	1-L3	R57	1:W6	1-F1
C38	1:N7	1-D2	D12	1:B11	1-K5	Q4	1:M6	1-N2	R58	1:W6	1-F0
C39	1:P7	1-E2	D13	1:A11	1-K5	Q6	1:U6	1-H0	R59	1:V5	1-G1
C42	1:W7	1-E2	D14	1:G11	1-L6	Q7	1:B11	1-J2	R60	1:F7	1-P3
C43	1:V5	1-F2	*D15	1:G12	1-L6	Q8	1:T5	1-P7	R61	1:G8	1-Q3
C44	1:U5	1-F2	*D18	1:E12	1-L5	Q9	1:H5	1-K8	R62	1:U6	1-G0
C45	1:W6	1-F1	D19	1:E11	1-L4	Q10	1:B12	1-R2	R63	1:U6	1-H0
C46	1:W6	1-F0	D20	1:H7	1-N4	Q11	1:P6	1-H1	R64	1:V6	1-D1
C49	1:U6	1-D1	D21	1:H7	1-P4	Q12	1:P6	1-H1	R65	1:B11	1-J3
C50	1:V6	1-E1	D22	1:N6	1-M3	Q13	1:M7	1-J1	R66	1:B11	1-J3
C51	1:W5	1-D0	D23	1:A12	1-R2	R1	1:X9	1-B5	R67	1:C11	1-J2
C54	1:P5	1-K0	D24	1:Q8	1-C2	R2	1:N11	1-E6	R68	1:C12	1-Q1
C55	1:Q5	1-K2	D25	1:P8	1-C2	R3	1:U10	1-E6	R69	1:B12	1-R2
C56	1:P4	1-K2	D26	1:N8	1-C2	R4	1:M8	1-G6	R70	1:P5	1-L2
C57	1:Q5	1-K2	D27	1:P8	1-C2	R5	1:L10	1-G6	R71	1:P6	1-K1
C59	1:P6	1-K1	D30	1:U7	1-F3	R6	1:L10	1-G5	R72	1:P6	1-K1
C60	1:Q5	1-M2	D31	1:V6	1-F2	R7	1:M10	1-G5	R73	1:P4	1-K0
C61	1:Q7	1-K0	D32	1:A11	1-J2	R8	1:L11	1-G5	R74	1:Q6	1-M2
C62	1:Q6	1-K0	D36	1:Q6	1-L1	R9	1:G10	1-H5	R75	1:Q6	1-M2
C63	1:H7	1-N1	D37	1:Q6	1-M1	R11	1:D2	1-H6	R76	1:G8	1-Q2
C65	1:G5	1-K8	D38	1:C11	1-J6	*R12	1:C7	1-J4	R79A	1:G2	1-H9
C66	1:H3	1-H8	D41	1:G4	1-J8	R13A	1:B10	1-K5	R79B	1:G2	1-J9
C67	1:F3	1-J8	D43	1:G2	1-H9	R13B	1:B11	1-K5	R80	1:W8	1-J9
*C68	1:N2	1-L8			1-H9	R14	1:C11	1-K5	R80A	1:F4	1-J8
*C69	1:P2	1-L8	*FAN	1:Z8	1-J0	*R17	1:F12	1-M5	R80B	1:G5	1-K8
*C70	1:Q2	1-M8	*F1	1:W10	1-B6	R18	1:F12	1-L5	*R81	1:K5	1-K9
*C71	1:N3	1-M8	HS	1:P7		*R19	1:D12	1-M5	RV81	1:F7	1-P3

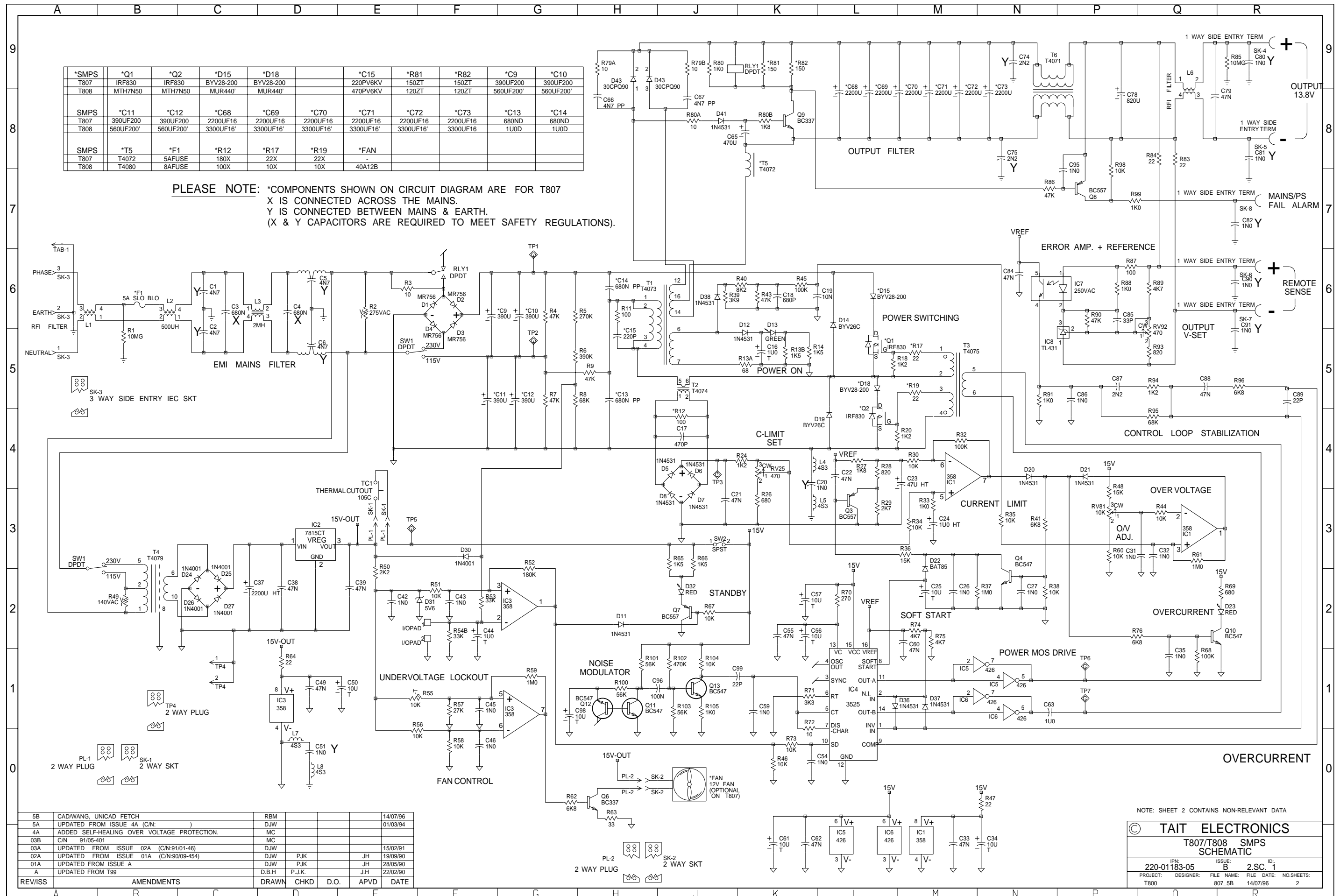
<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>
*R82	1:K5	1-K9									
R83	1:U5	1-Q8									
R84	1:T5	1-Q8									
R85	1:W2	1-R9									
R86	1:T4	1-N7									
R87	1:T4	1-P6									
R88	1:S5	1-P6									
R89	1:T4	1-Q6									
R90	1:S4	1-P6									
R91	1:N4	1-N5									
RV92	1:S5	1-Q5									
R93	1:T5	1-Q5									
R94	1:P5	1-Q5									
R95	1:N5	1-Q4									
R96	1:N5	1-R5									
R98	1:W4	1-P7									
R99	1:W4	1-P7									
R100	1:N6	1-H1									
R101	1:Q6	1-H1									
R102	1:N6	1-J1									
R103	1:N5	1-J1									
R104	1:N5	1-J1									
R105	1:M7	1-J1									
*R106	1:H7										
*R107	1:H7										
RLY1	1:V8	1-J9									
		1-F6									
SW1	1:N12	1-E5									
		1-A3									
SW2	1:C9	1-J3									
SK-1		1-B0									
		1-E3									
SK-2		1-H0									
SK-3	1:X10	1-A4									
SK-4	1:X2	1-R9									
SK-5	1:X3	1-R8									
SK-6	1:Y3	1-R6									
SK-7	1:Y3	1-R6									
SK-8	1:Y4	1-R7									
T1	1:C5	1-J5									
T2	1:B8	1-J5									
T3	1:F10	1-M4									
T4	1:S8	1-B2									
*T5	1:K3	1-K8									
T6	1:T3	1-P8									
TAB-1	1:Y8	1-A7									
TC1		1-E3									
TP1	1:N7	1-G6									
TP2	1:G10	1-G5									
TP3	1:D8	1-J4									
TP4	1:L7	1-B0									
TP5	1:C9	1-E3									
TP6	1:K7	1-P1									
TP7	1:J7	1-P1									



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



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



T807 Parts List (IPN 220-01183-07)

How To Use This Parts List

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc) and those without (miscellaneous and mechanical). Static sensitive devices are prefixed with (S).

Those with a circuit reference are grouped by component type in numerical order. Each component entry comprises three or four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this component is fitted only to that variant.

The miscellaneous and mechanical section lists the parts in IPN order and where possible the legend indicates their position on the exploded view.

Parts List Amendments

There were no amendments to the parts list at the time of publication.

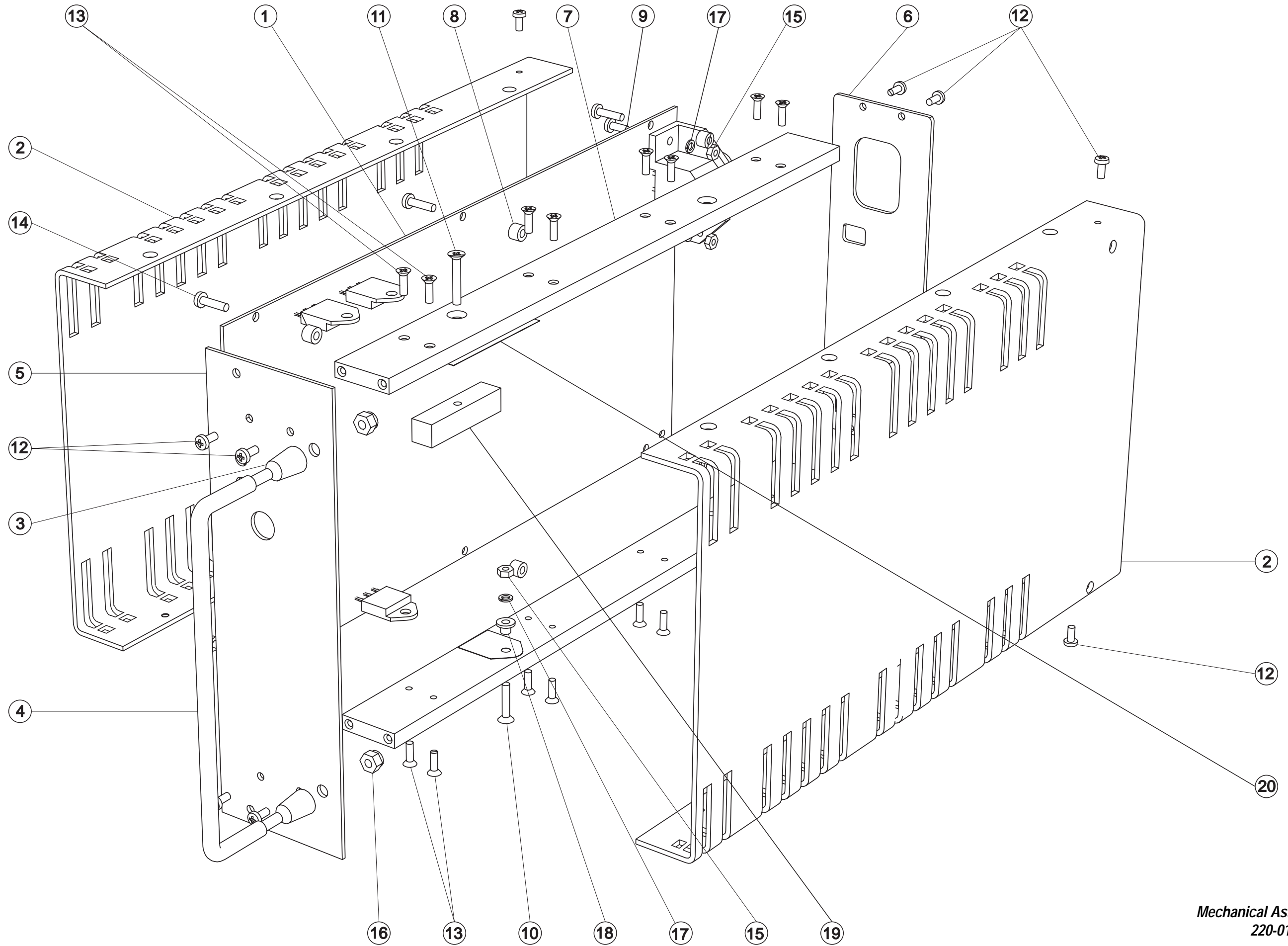
Ref	Var	IPN	Description	Ref	Var	IPN	Description
C1		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	*C71		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
C2		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	*C72		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
C3		022-06680-04	CAP MYLAR 680N +- 20% 250VAC APPROVED	*C73		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR
C4		022-06680-04	CAP MYLAR 680N +- 20% 250VAC APPROVED	C74		022-05470-04	CAP MYLAR 47N +-20% 250VAC APPROVED
C5		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C75		022-05470-04	CAP MYLAR 47N +-20% 250VAC APPROVED
C5A		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C78		020-09820-01	CAP 820M 16V ELECT 10X25MM
C6		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C79		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C6A		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C79		015-25100-08	CAP CER 0805 CHIP 10N 10% X7R 50V
*C9		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	C80		010-05100-09	CAP CER 10N +-20% 250VAC RATED
*C10		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	C81		010-05100-09	CAP CER 10N +-20% 250VAC RATED
*C11		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	C82		010-04100-04	CAP CER 1N 10% T/C B 400V
*C12		021-09390-00	CAP 390UF ELECT 200V 105D 25DIA X40 10MMLS	C83		015-06100-08	CAP CER 1206 CHIP 100N 10% X7R 50V
*C13		024-06680-08	CAP POLYPR AXIAL 680N 20% 250VDC	C84		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
*C14		024-06680-08	CAP POLYPR AXIAL 680N 20% 250VDC	C85		011-52330-01	CAP CER AI 33P 5% N150 50/63V
*C15		010-03220-03	CAP CER 220P 10% T/C B 63V	C86		022-54100-10	CAP MYLAR AI 1N 5% 63V POTTED
C16		025-07100-01	CAP TANT BEAD 1M 35V	C87		022-54220-10	CAP MYLAR AI 2N2 5% 63V POTTED
C17		011-53470-02	CAP CER AI 470P 10% T/C B 63V	C88		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED
C18		011-03680-01	CAP CER 680P 10% N1K5 50/63V	C89		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C19		019-55100-01	CAP MONOLITHIC AI 10N 5% COG 50V	C90		010-04100-04	CAP CER 1N 10% T/C B 400V
C20		010-04100-04	CAP CER 1N 10% T/C B 400V	C91		010-04100-04	CAP CER 1N 10% T/C B 400V
C21		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C92		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C22		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C93		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C23		020-08470-07	CAP ELECT RADL 47M 16V 8X11.5MM HI TEMP	C95		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C24		020-07100-04	CAP ELECT RADL 1M 63V 8X12MM HI TEMP	C96		022-56100-10	CAP MYLAR AI 100N 5% 63V POTTED
C25		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	C98		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S
C26		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C99		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C27		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C100		011-03100-06	CAP CER 100P +-10% 250 VAC APPROVED
C31		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C102		010-03220-09	CAP CER 220P +-10% 250 VAC APPROVED
C32		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C104		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C33		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R				
C34		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D1		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C35		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D2		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C37		020-19220-04	CAP 2200M ELEC 35V 16X35 L ESR	D3		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C38		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D4		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C39		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D5		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C42		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D6		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C43		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D7		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C44		025-07100-01	CAP TANT BEAD 1M 35V	D8		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C45		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D11		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C46		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D12		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C49		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D13		008-00014-73	(S) LED HLMP5050 GREEN RT ANGLE PCB MTG
C50		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D14		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C51		010-04100-04	CAP CER 1N 10% T/C B 400V	*D15		001-00012-27	(S) DIODE BYV28-200 3.5A/200V FAST SWITCH
C54		011-54100-01	CAP CER AI 1N 10% T/C B 63V	*D18		001-00012-27	(S) DIODE BYV28-200 3.5A/200V FAST SWITCH
C55		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D19		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C56		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D20		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C57		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D21		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C59		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D22		001-00013-40	(S) DIODE SCHOTTKY BAT85 0.2A/30V
C60		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V	D23		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG
C61		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D24		001-00011-70	(S) DIODE 1N4001 1A/50V
C62		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D25		001-00011-70	(S) DIODE 1N4001 1A/50V
C63		022-57100-02	CAP MYLAR AI 1M 20% 50V POTTED	D26		001-00011-70	(S) DIODE 1N4001 1A/50V
C65		020-09470-07	CAP 470M 16V 20% ELEC VERT 8*20 3.5MM L/S LO-ESR	D27		001-00011-70	(S) DIODE 1N4001 1A/50V
				D30		001-00011-70	(S) DIODE 1N4001 1A/50V
C66		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC	D31		001-00015-19	(S) DIODE ZENER 5V6 0.4W 2% BZX79/B5V6
C67		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC	D32		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG
*C68		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR	D36		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
*C69		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR	D37		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
*C70		020-19220-02	CAP ELECT RAD 2200M 16V 12.5X30MM LO ESR	D38		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG

Ref	Var	IPN	Description	Ref	Var	IPN	Description
D41		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R51		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D43		001-00011-45	(S) DIODE DUAL 30A/90V 30CPQ90	R52		030-56180-20	RES FILM AI 180K 5% 0.4W 4X1.6MM
*F1		265-00010-51	FUSE 5.0A 250V SLOW BLOW 5X20	R53		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
FC1		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R54B		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
FC2		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R55		045-05100-01	RES NTC 10K 5% 5MM DISC
IC1		002-00012-40	(S) IC 358 DUAL OP AMP	R56		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC2		002-00010-81	(S) IC 7815 +15V 1AMP TO -220 3PIN	R57		030-55270-20	RES FILM AI 27K 5% 0.4W 4X1.6MM
IC3		002-00012-40	(S) IC 358 DUAL OP AMP	R58		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC4		002-00016-61	(S) IC 3525A SMPS CTRL	R59		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
IC5		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R60		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC6		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R61		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
IC7		002-00020-58	(S) IC CNX62A OPTOCOPLER 250VAC APPROVD	R62		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
IC8		002-00014-15	(S) IC TL431 SHUNT REG TO-92	R63		030-52330-20	RES FILM AI 33E 5% 0.4W 4X1.6MM
L1		056-00010-50	CHOKE 16UH +-20% DIFF MODE	R64		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
L1A		056-00010-50	CHOKE 16UH +-20% DIFF MODE	R65		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
L2		056-00010-36	CHOKE FLTR 0.5MH COMM MODE	R66		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
L3		056-00021-20	IND FXD 2MH 5AMP TOROIDAL	R67		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
L4		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R68		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM
L5		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R69		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM
L6		069-00010-29	TOROID CORE FERRITE TN14/9/5 4A11 x5	R70		030-53270-20	RES FILM AI 270E 5% 0.4W 4X1.6MM
L7		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R71		030-54330-20	RES FILM AI 3K3 5% 0.4W 4X1.6MM
L8		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R72		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
L9		065-00010-04	BEAD FERRITE F8 4X2X5MM	R73		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
L10		065-00010-04	BEAD FERRITE F8 4X2X5MM	R74		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
L12		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED	R75		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
L13		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED	R76		030-54680-20	RES FILM AI 4K8 5% 0.4W 4X1.6MM
L14		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED	R79A		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
L15		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED	R79B		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
				R80		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R80A		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
				R80B		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM
				*R81		032-33150-01	RES M/F PWR 150E 5% 2.5W 17X5MM
				RV81		042-05100-06	RES PRESET 10K CARBON 6MM FLAT
				*R82		032-33150-01	RES M/F PWR 150E 5% 2.5W 17X5MM
				R83		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
				R84		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
				R85		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM
				R86		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
				R87		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
				R88		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R89		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
				R90		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
				R91		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				RV92		042-03470-06	RES PRESET 470E CARBON 6MM FLAT
				R93		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM
				R94		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM
				R95		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM
				R96		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
				R98		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
				R99		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R100		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
				R101		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
				R102		030-56470-20	RES FILM AI 470K 5% 0.4W 4X1.6MM
				R103		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
				R104		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
				R105		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R106		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
				R107		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
				RLY1		237-00010-30	RELAY 12V COIL 240V 10A SPDT
				SW1		233-00010-07	SWITCH DPDT 115/230V 6PIN
				SW2		232-00020-28	PUSH SWITCH PCB MTG
				SK-3		240-00010-23	PLUG 3 PIN 10AMP 250V PCB MTG
				SK-4		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
				SK-5		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
				SK-6		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
				SK-7		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
				SK-8		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
				T1		053-00010-58	XFMR T4073 T807/808 SWITCHING
				T2		053-00010-59	XFMR T4074 T807/808 CURRENT SENSE
				T3		053-01060-02	XFMR T4075 T807/808 MOSFET DRIVE
				T4		053-00010-63	XFMR T4079 MAINTS 5VA 18V
				*T5		056-00010-39	CHOKE T4072 T807 DIFFNL MODE ETD39
				T6		056-00010-38	CHOKE T4071 T807-808 DIFFNL MODE
				TC1		239-00010-06	SW THERM PEP1 100C BARE TERML.C/W SLEEVE
*Q1		000-00012-63	(S) XSTR MTP4N50 PWR MOSFET 500V TO220				
*Q2		000-00012-63	(S) XSTR MTP4N50 PWR MOSFET 500V TO220				
Q3		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG				
Q4		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG				
Q6		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92				
Q7		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG				
Q8		000-50011-30	(S) XSTR AI BC557B PNP TO-92 AF S/SIG				
Q9		000-00010-66	(S) XSTR BC337 NPN AF PWR TO92				
Q10		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG				
Q11		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG				
Q12		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG				
Q13		000-50011-10	(S) XSTR AI BC547B NPN TO-92 AF S/SIG				
R1		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM				
R2		049-00275-40	VARISTOR 275V AC 140JOULES 20MM DIA.				
R3		035-02100-93	RES WIRE WOUND 10E 5W 19X8MM				
R4		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM				
R5		030-56270-20	RES FILM AI 270K 5% 0.4W 4X1.6MM				
R6		030-56390-20	RES FILM AI 390K 5% 0.4W 4X1.6MM				
R7		032-35470-00	RES M/F PWR 47K 5% 1W 12X4.5MM				
R8		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM				
R9		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM				
R11		032-33100-02	RES M/F PWR 100E 5% 6W 33X9MM				
*R12		030-53180-20	RES FILM AI 180E 5% 0.4W 4X1.6MM				
R13A		030-52680-20	RES FILM AI 68E 5% 0.4W 4X1.6MM				
R13B		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM				
R14		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM				
R17		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM				
R18		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
R19		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM				
R20		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
R24		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM				
RV25		042-03470-06	RES PRESET 470E CARBON 6MM FLAT				
R26		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM				
R27		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM				
R28		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM				
R29		030-54270-20	RES FILM AI 2K7 5% 0.4W 4X1.6MM				
R30		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R32		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM				
R33		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM				
R34		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R35		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R36		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM				
R37		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM				
R38		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R39		030-54390-20	RES FILM AI 3K9 5% 0.4W 4X1.6MM				
R40		030-54820-20	RES FILM AI 8K2 5% 0.4W 4X1.6MM				
R41		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM				
R43		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM				
R44		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R45		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM				
R46		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM				
R47		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM				
R48		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM				
R49		049-00140-10	VARISTOR 140VRMS 180VDC 42 JOULES				
R50		030-54220-20	RES FILM AI 2K2 5% 0.4W 4X1.6MM				

Note: Fit L4 & L5 On Leads Of C20
 Fit L7 & L8 On Leads Of C51
 Fit L9 Over Body Of R17
 Fit L10 Over Body Of R19
 Fit L12 & L13 On Leads Of R83
 Fit L14 & L15 On Leads Of R84

T807 Mechanical & Miscellaneous Parts (220-01183-07)

IPN	Legend	Description	IPN	Legend	Description
200-00010-35		WIRE T/C 1.5MM/1.4MM For L6. 35mm	352-00010-29	16	NUT M4 NYLOC HEX Handle x2
201-00051-15		WIRE APPLC 1MM ² GREEN HI TEMP PVC85 For Earth Lead	353-00010-10		WASHER M3 FLAT 7MM*0.6MM ST BZ Mounting Kit x2 (in bag)
201-00060-09		WIRE REMIT 0.8MM ² PVC WHITE For Cut Out Switch on T1	353-00010-12	17	WASHER M3 SPRING BZ OR Z/C D43 x1, Mains Socket x2, IC2 x1
209-00010-26		TAPE COPPER 19MM * 0.08MM SCOTCH 1181 For taping switch to T1	356-00020-06		RECEPTL 6.3MM QUICK CONN FLARED INS For Earth Lead
220-01183-07	1	PCB T807/T808 SMPS 2 OUNCE COPPER	356-00020-07		RECEPTL M3.5QUICK CONN M3.5 OPEN END For Earth Lead
240-02010-22		SKT MAINS 3PIN FLEX 2M/10A	356-00020-21		TAB 6.3MM RT ANGLE SPADE CAR QCK CONN PCB Mounted Earth Connector
240-06010-27		BLANKING PLATE 2.5MM GREEN Fitted to SK-8	362-00010-13	18	BUSH INSULATING 1.1MM TOP HAT D43 Mounting x1
302-05228-01		BRACKET TRANSFORMER MTG T807/808 T4 x1	362-01024-00	19	INSULATOR 54*30 AS PER DRWG A4M2431 Q1/Q2 x1, D43 x1
303-23128-02	2	COVR SIDE A2M2403/2 T807/808 COMP SCRNM	362-01052-00	20	XSTR CLAMPING BRKT T807/808 A4M2407 Bracing bracket for Q1 & Q2 x1
306-01010-00	3	FERRULE A4M948 HANDLE FXD EQUIP Place on Handle x2	365-00011-54		LABEL WHITE RW 1556/2 90X24MM SPEC AD For outside of box
307-02029-00		GUIDE REAR T807/808 A3M2409 Packed in box x2	365-00013-59		LABEL T807/808 HI VOLT WARNING A4A651
308-01007-00	4	HANDLE A4M949 FXD EQUIP Front Panel	365-00100-05		LABEL BLANK 50X9MM S/A METLSD POLYES Mounting Kit x1 (in bag) NB/ Label is to be placed over top of screened version on panel if power supply is to be 115 Volts
308-13088-00		HSINK CLIP ON 14 OR 16 DIP INT CCTS ICs 4, 5 & 6	365-01391-01		LABEL BLNK 30X10.8MM TAMPERMARK VOID Ser No x1, Job No x1, Rev No x1 & Elec Insp x1
308-13091-00		HSINK PCB MTG TO-220 IC2 mounting to PCB	365-01500-00		LABEL CE CONFORMITY 12*24MM
311-00010-39		KNOB RED PLASTIC ROUND Pushes on to SW2	369-00020-52		TAPE ELECT INSULATION UL APPRVD 130°C For T4
316-06398-01	5	PNL FRT COMPL T807 A3M2405/2	399-00010-10		RUBBER BAND NO 33
316-21177-02	6	PNL REAR A3M2427/2 T807 COMPL SCRNM	399-00010-51		BAG PLASTIC 75*100MM For Mounting Kit
318-01018-00	7	RAIL CHASSIS T807/808 A3M2404 Attached to PCB x2	400-00020-01		SLEEVING 0.7MM SIL RUBBER For Legs of R13A, R47 & R64
319-01189-01		SHIELD T807/808 MAINS FILTER Fitted to underside of board across output	400-00020-03		SLEEVING 1MM SIL RUBBER For Legs of R3, R11, 79A, R79B, R81 & R82
319-30030-01	8	SPACER A4M1115 T807/808 Between P.C.B. & Rails x6	400-00020-05		SLEEVING 1.5MM SIL RUBBER
319-40012-00		EARTH STRAP DC T807/808 Fitted to underside of board across input	400-00020-07		SLEEVING 2MM SIL RUBBER Goes over wire on L6.
345-00040-06	9	SCREW M3*8MM PAN POZI ST BZ SK-3 x2, Mounting Kit x2 (in bag)	410-01081-00		CRTN T800 KIWI REF22860 402X192X66MM
345-00040-12		SCREW M3X10MM CSK POZI ST BZ Mounting Kit x6 (in bag)	410-01082-00		CRTN 10 T800 KIWI REF24417 423X410X360
345-00040-17	10	SCREW M3*16MM CSK POZI ST BZ D43 x1			
345-00040-24	11	SCREW M3X20MM CSK POZI ST BZ Q1/Q2 Bracing Bracket x1			
349-00020-07	12	SCREW 4-40 X 5/16 PAN POZI TAPTITE BLACK Front x4, Rear x4, Cover x4			
349-00020-08	13	SCREW TAPTITE 4-40X3/8IN CSK POZI BZ Covers to rails x16			
349-00020-34	14	SCREW M3*12 PAN POZI TAPTITE BZ P.C.B. to rails x6			
352-00010-08	15	NUT M3 COLD FORM HEX ST BZ D43 x1, Mains Socket x2, IC2 x1, Mounting Kit x2 (in bag)			



T807
Mechanical Assembly
220-01183-07

T808 Parts List (IPN 220-01183-07)

How To Use This Parts List

The components listed in this parts list are divided into two main types: those with a circuit reference (e.g. C2, D1, R121, etc) and those without (miscellaneous and mechanical). Static sensitive devices are prefixed with (S).

Those with a circuit reference are grouped by component type in numerical order. Each component entry comprises three or four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this component is fitted only to that variant.

The miscellaneous and mechanical section lists the parts in IPN order and where possible the legend indicates their position on the exploded view.

Parts List Amendments

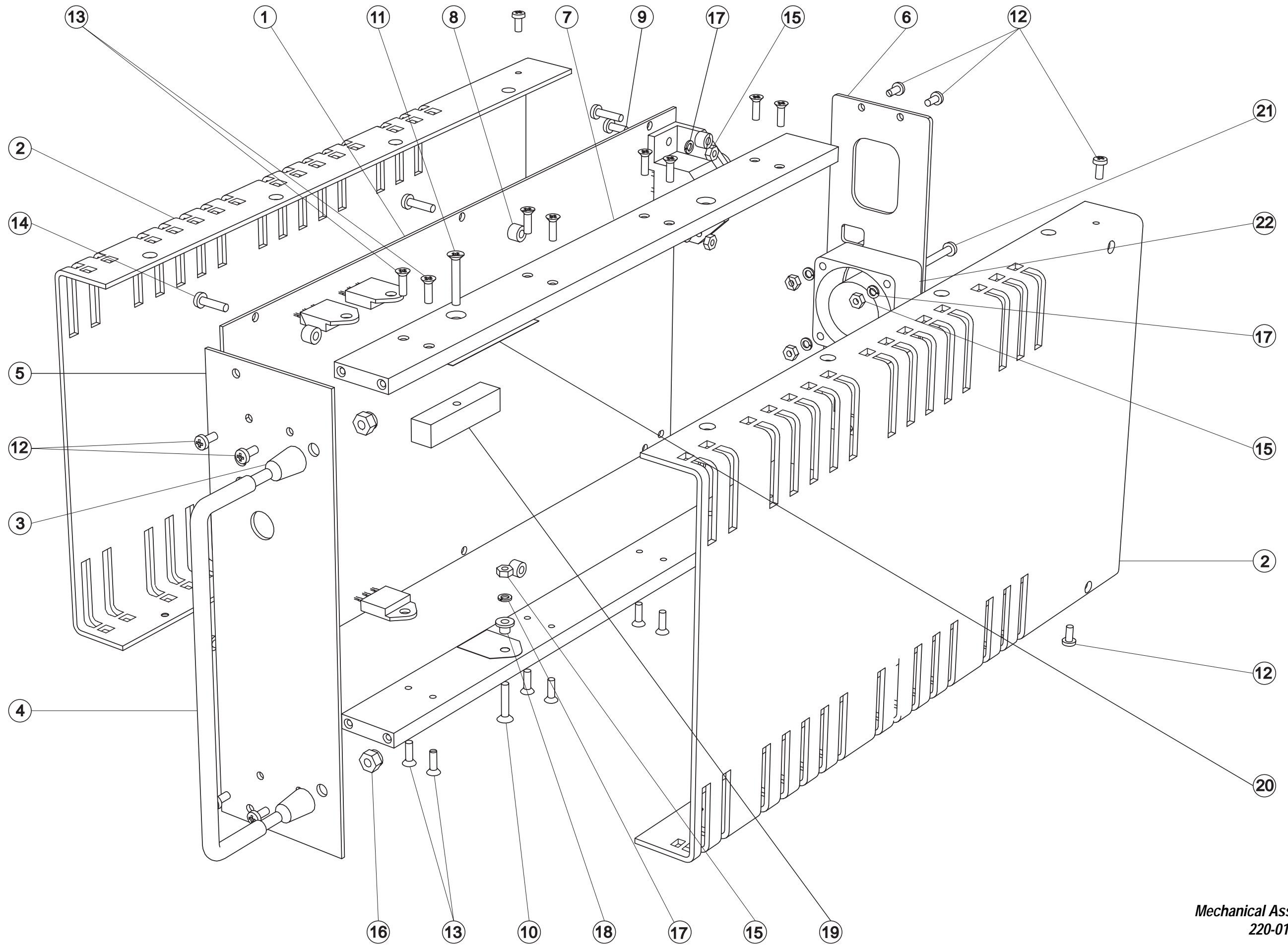
There were no amendments to the parts list at the time of publication.

Ref	Var	IPN	Description	Ref	Var	IPN	Description
C1		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	*C71		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
C2		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	*C72		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
C3		022-06680-04	CAP MYLAR 680N +- 20% 250VAC APPROVED	*C73		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT
C4		022-06680-04	CAP MYLAR 680N +- 20% 250VAC APPROVED	C74		022-05470-04	CAP MYLAR 47N +-20% 250VAC APPROVED
C5		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C75		022-05470-04	CAP MYLAR 47N +-20% 250VAC APPROVED
C5A		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C78		020-09820-01	CAP 820M 16V ELECT 10X25MM
C6		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C79		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
C6A		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED	C79		015-25100-08	CAP CER 0805 CHIP 10N 10% X7R 50V
*C9		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MML/S	C80		010-05100-09	CAP CER 10N +-20% 250VAC RATED
*C10		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MML/S	C81		010-05100-09	CAP CER 10N +-20% 250VAC RATED
*C11		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MML/S	C82		010-04100-04	CAP CER 1N 10% T/C B 400V
*C12		021-09560-00	CAP 560UF ELECT 200V 105D 25DIA X40 10MML/S	C83		015-06100-08	CAP CER 1206 CHIP 100N 10% X7R 50V
*C13		024-07100-00	CAP 1M 250VDC 5% POLYPROP.22.5 L/S	C84		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R
*C14		024-07100-00	CAP 1M 250VDC 5% POLYPROP.22.5 L/S	C85		011-52330-01	CAP CER AI 33P 5% N150 50/63V
*C15		010-03470-03	CAP 470P T/C B 10% 6KV CER 11MM DIA 10MM	C86		022-54100-10	CAP MYLAR AI 1N 5% 63V POTTED
C16		025-07100-01	CAP TANT BEAD 1M 35V	C87		022-54220-10	CAP MYLAR AI 2N2 5% 63V POTTED
C17		011-53470-02	CAP CER AI 470P 10% T/C B 63V	C88		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED
C18		011-03680-01	CAP CER 680P 10% N1K5 50/63V	C89		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C19		019-55100-01	CAP MONOLITHIC AI 10N 5% COG 50V	C90		010-04100-04	CAP CER 1N 10% T/C B 400V
C20		010-04100-04	CAP CER 1N 10% T/C B 400V	C91		010-04100-04	CAP CER 1N 10% T/C B 400V
C21		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C92		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C22		022-55470-10	CAP MYLAR AI 47N 5% 63V POTTED	C93		010-04220-09	CAP CER 2N2 10% 250VAC APPROVED
C23		020-08470-07	CAP ELECT RADL 47M 16V 8X11.5MM HI TEMP	C95		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C24		020-07100-04	CAP ELECT RADL 1M 63V 8X12MM HI TEMP	C96		022-56100-10	CAP MYLAR AI 100N 5% 63V POTTED
C25		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	C98		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S
C26		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C99		011-52220-01	CAP CER AI 22P 5% N150 50/63V
C27		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C100		011-03100-06	CAP CER 100P 5% N750 50/63V
C31		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C102		010-03220-09	CAP CER 220P +-10% 250 VAC APPROVED
C32		011-54100-01	CAP CER AI 1N 10% T/C B 63V	C104		011-54100-01	CAP CER AI 1N 10% T/C B 63V
C33		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	*C112		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED
C34		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	*C113		010-04470-09	CAP CERAMIC 4N7 +-20% 250VAC APPROVED
C35		011-54100-01	CAP CER AI 1N 10% T/C B 63V	*C120		010-04100-04	CAP CER 1N 10% T/C B 400V
C37		020-19220-04	CAP 2200M ELEC 35V 16X35 L ESR	*C121		010-04100-04	CAP CER 1N 10% T/C B 400V
C38		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D1		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C39		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D2		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C42		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D3		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C43		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D4		001-00012-30	(S) DIODE 6A6 MR 756 BY214-600 6A/600V
C44		025-07100-01	CAP TANT BEAD 1M 35V	D5		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C45		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D6		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C46		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D7		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C49		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D8		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C50		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D11		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C51		010-04100-04	CAP CER 1N 10% T/C B 400V	D12		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C54		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D13		008-00014-73	(S) LED HLMP5050 GREEN RT ANGLE PCB MTG
C55		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D14		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C56		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	*D15		001-00011-06	(S) DIODE MUR440 ULTRAFAST 400V 4A
C57		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	*D18		001-00011-06	(S) DIODE MUR440 ULTRAFAST 400V 4A
C59		011-54100-01	CAP CER AI 1N 10% T/C B 63V	D19		001-00012-23	(S) DIODE BYV26C 1A/400V FAST SWITCH
C60		017-15470-01	CAP CER SURFACE BARRIER 47N 20% 50V	D20		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C61		025-08100-03	CAP 10M 35V 20% TANT 5MM L/S	D21		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG
C62		019-05470-00	CAP MONOLITHIC CER 47N 10% 50V X7R	D22		001-00013-40	(S) DIODE SCHOTTKY BAT85 0.2A/30V
C63		022-57100-02	CAP MYLAR AI 1M 20% 50V POTTED	D23		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG
C65		020-09470-07	CAP 470M 16V 20% ELEC VERT 8*20 3.5MM L/S LO-ESR	D24		001-00011-70	(S) DIODE 1N4001 1A/50V
C66		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC	D25		001-00011-70	(S) DIODE 1N4001 1A/50V
C67		024-14470-01	CAP METAL POLYPR RADL 4N7 10% 400VAC	D26		001-00011-70	(S) DIODE 1N4001 1A/50V
*C68		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT	D27		001-00011-70	(S) DIODE 1N4001 1A/50V
*C69		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT	D30		001-00011-70	(S) DIODE 1N4001 1A/50V
*C70		021-19330-02	CAP 3300M 16V ELEC 13*40 VERT	D31		001-00015-19	(S) DIODE ZENER 5V6 0.4W 2% BZX79/B5V6

Ref	Var	IPN	Description	Ref	Var	IPN	Description
D32		008-00014-74	(S) LED HLMP5030 RED RT ANGLE PCB MTG	R45		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM
D36		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R46		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
D37		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R47		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
D38		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R48		030-55150-20	RES FILM AI 15K 5% 0.4W 4X1.6MM
D41		001-50012-05	(S) DIODE AI 1N4531 SI SMALL SIG	R49		049-00140-10	VARISTOR 140VRMS 180VDC 42 JOULES
D43		001-00011-45	(S) DIODE DUAL 30A/90V 30CPQ90	R50		030-54220-20	RES FILM AI 2K2 5% 0.4W 4X1.6MM
*F1		265-00010-24	FUSE 8AMP 5*20MM SLOW BLOW	R51		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
FC1		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R52		030-56180-20	RES FILM AI 180K 5% 0.4W 4X1.6MM
FC2		340-00010-07	FUSE CLIP PCB MTG 5MM FUSE	R53		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
IC1		002-00012-40	(S) IC 358 DUAL OP AMP	R54B		030-55330-20	RES FILM AI 33K 5% 0.4W 4X1.6MM
IC2		002-00010-81	(S) IC 7815 +15V 1AMP TO -220 3PIN	R55		045-05100-01	RES NTC 10K 5% 5MM DISC
IC3		002-00012-40	(S) IC 358 DUAL OP AMP	R56		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC4		002-00016-61	(S) IC 3525A SMPS CTRL	R57		030-55270-20	RES FILM AI 27K 5% 0.4W 4X1.6MM
IC5		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R58		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC6		002-00010-75	(S) IC TSC426 DRIVER INVERTING MOSFET 8PIN	R59		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
IC7		002-00020-58	(S) IC CNX62A OPTOCOUPLER 250VAC APPRVED	R60		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
IC8		002-00014-15	(S) IC TL431 SHUNT REG TO-92	R61		030-57100-20	RES FILM AI 1M 5% 0.4W 4X1.6MM
L1		056-00010-50	CHOKO 16UH +20% DIFF MODE	R62		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
L1A		056-00010-50	CHOKO 16UH +20% DIFF MODE	R63		030-52330-20	RES FILM AI 33E 5% 0.4W 4X1.6MM
L2		056-00010-36	CHOKO FLTR 0.5MH COMM MODE	R64		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
L3		056-00021-20	IND FXD 2MH 5AMP TOROIDAL	R65		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
L4		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R66		030-54150-20	RES FILM AI 1K5 5% 0.4W 4X1.6MM
L5		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R67		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
L6		069-00010-29	TOROID CORE FERRITE TN14/9/5 4A11 x5	R68		030-56100-20	RES FILM AI 100K 5% 0.4W 4X1.6MM
L7		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R69		030-53680-20	RES FILM AI 680E 5% 0.4W 4X1.6MM
L8		065-00010-11	BEAD FERRITE 4S3 3*1*4MM RED	R70		030-53270-20	RES FILM AI 270E 5% 0.4W 4X1.6MM
L9		065-00010-04	BEAD FERRITE F8 4X2X5MM	R71		030-54330-20	RES FILM AI 3K3 5% 0.4W 4X1.6MM
L10		065-00010-04	BEAD FERRITE F8 4X2X5MM	R72		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
L12		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED	R73		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
L13		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED	R74		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
L14		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED	R75		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
L15		065-00010-08	BEAD FERRITE 4S3 3*0.7*10MM RED	R76		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
Note: Fit L4 & L5 On Leads Of C20 Fit L7 & L8 On Leads Of C51 Fit L9 Over Body Of R17 Fit L10 Over Body Of R19 Fit L12 & L13 On Leads Of R83 Fit L14 & L15 On Leads Of R84				R79A		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
				R79B		032-32100-01	RES M/F PWR 10E 2.5W 17X5MM
				R80		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R80A		030-52100-20	RES FILM AI 10E 5% 0.4W 4X1.6MM
				R80B		030-54180-20	RES FILM AI 1K8 5% 0.4W 4X1.6MM
				*R81		032-33120-01	RES M/F PWR 120E 5% 17*5 2.5 W
				RV81		042-05100-06	RES PRESET 10K CARBON 6MM FLAT
				*R82		032-33120-01	RES M/F PWR 120E 5% 17*5 2.5 W
				R83		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
				R84		030-52220-20	RES FILM AI 22E 5% 0.4W 4X1.6MM
				R85		030-08100-31	RES M/F 10M 3.5KV VR37 10*4MM
				R86		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
				R87		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
				R88		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R89		030-54470-20	RES FILM AI 4K7 5% 0.4W 4X1.6MM
				R90		030-55470-20	RES FILM AI 47K 5% 0.4W 4X1.6MM
				R91		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				RV92		042-03470-06	RES PRESET 470E CARBON 6MM FLAT
				R93		030-53820-20	RES FILM AI 820E 5% 0.4W 4X1.6MM
				R94		030-54120-20	RES FILM AI 1K2 5% 0.4W 4X1.6MM
				R95		030-55680-20	RES FILM AI 68K 5% 0.4W 4X1.6MM
				R96		030-54680-20	RES FILM AI 6K8 5% 0.4W 4X1.6MM
				R98		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
				R99		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R100		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
				R101		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
				R102		030-56470-20	RES FILM AI 470K 5% 0.4W 4X1.6MM
				R103		030-55560-20	RES FILM AI 56K 5% 0.4W 4X1.6MM
				R104		030-55100-20	RES FILM AI 10K 5% 0.4W 4X1.6MM
				R105		030-54100-20	RES FILM AI 1K 5% 0.4W 4X1.6MM
				R106		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
				R107		030-53100-20	RES FILM AI 100E 5% 0.4W 4X1.6MM
				RLY1		237-00010-30	RELAY 12V COIL 240V 10A SPDT
				SW1		233-00010-07	SWITCH DPDT 115/230V 6PIN
				SW2		232-00020-28	PUSH SWITCH PCB MTG
				SK-3		240-00010-23	PLUG 3 PIN 10AMP 250V PCB MTG
				SK-4		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
				SK-5		240-04030-06	TRMNL BLOCK 1WAY PC MT PHOENIX
				SK-6		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
				SK-7		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
				SK-8		240-04030-07	TERML BLK PCB MTG 1WAY FRT 2.5H/SA10
				T1		053-00010-58	XFMR T4073 T807/808 SWITCHING
				T2		053-00010-59	XFMR T4074 T807/808 CURRENT SENSE
				T3		053-01060-02	XFMR T4075 T807/808 MOSFET DRIVE
				T4		053-00010-63	XFMR T4079 MAINS 5VA 18V
				*T5		056-00010-49	CHOKO T4080 T808 DIFFNL MODE ETD39
				T6		056-00010-38	CHOKO T4071 T807-808 DIFFNL MODE
				TC1		239-00010-06	SW THERM PEP1 100C BARE TERML.C/W SLEEVE

T808 Mechanical & Miscellaneous Parts (220-01183-07)

IPN	Legend	Description	IPN	Legend	Description
200-00010-35		WIRE T/C 1.5MM ² /1.4MM For L6. 35mm	349-00020-08	13	SCREW TAPTITE 4-40X3/8IN CSK POZI BZ Covers to rails x16
201-00051-15		WIRE APPLC 1MM ² GREEN HI TEMP PVC85 For Earth Lead	349-00020-34	14	SCREW M3*12 PAN POZI TAPTITE BZ P.C.B. to rails x6
201-00060-09		WIRE REMIT 0.8MM ² PVC WHITE For Cut Out Switch on T1	352-00010-08	15	NUT M3 COLD FORM HEX ST BZ D43 x1, Mains Socket x2, IC2 x1, Fan x4, Mounting Kit x2 (in bag)
209-00010-26		TAPE COPPER 19MM * 0.08MM SCOTCH 1181 For taping switch to T1	352-00010-29	16	NUT M4 NYLOC HEX Handle x2
220-01183-07	1	PCB T807/T808 SMPS 2 OUNCE COPPER	353-00010-10		WASHER M3 FLAT 7MM*0.6MM ST BZ Mounting Kit x2 (in bag)
240-02010-22		SKT MAINS 3PIN FLEX 2M/10A	353-00010-12	17	WASHER M3 SPRING BZ OR Z/C D43 x1, Mains Socket x2, IC2 x1, Fan x4
*240-04020-72		SOCKET HOUSING 2 WAY MTG ULTREX To connect fan to PL-2	356-00020-06		RECEPTL 6.3MM QUICK CONN FLARED INS For Earth Lead
*240-04020-76		SKT RECEPTACLES WIRE CRIMP ULTREX To connect fan to PL-2	356-00020-07		RECEPTL M3.5QUICK CONN M3.5 OPEN END For Earth Lead
240-06010-27		BLANKING PLATE 2.5MM GREEN Fitted to SK-8	356-00020-21		TAB 6.3MM RT ANGLE SPADE CAR QCK CONN PCB Mounted Earth Connector
*258-00010-04	22	FAN 12V 40 x 40 x 20 TUBE AXIAL Mount to rear panel	362-00010-13	18	BUSH INSULATING 1.1MM TOP HAT D43 Mounting x1
303-23128-02	2	COVR SIDE A2M2403/2 T807/808 COMP SCRNB	362-01024-00	19	INSULATOR 54*30 AS PER DRWG A4M2431 Q1/Q2 x1, D43 x1
306-01010-00	3	FERRULE A4M948 HANDLE FXD EQUIP Place on handle x2	362-01052-00	20	XSTR CLAMPING BRKT T807/808 A4M2407 Bracing bracket for Q1 & Q2 x1
307-02029-00		GUIDE REAR T807/808 A3M2409 Packed in box x2	365-00011-54		LABEL WHITE RW 1556/2 90X24MM SPEC AD For outside of box
308-01007-00	4	HANDLE A4M949 FXD EQUIP Front Panel	365-00013-59		LABEL T807/808 HI VOLT WARNING A4A651
308-13088-00		HSINK CLIP ON 14 OR 16 DIP INT CCTS ICs 4, 5 & 6	365-00100-05		LABEL BLANK 50X9MM S/A METLSD POLYES Mounting Kit x1 (in bag) NB/ Label is to be placed over top of screened version on panel if power supply is to be 115 Volts
308-13091-00		HSINK PCB MTG TO-220 Heatsink for IC2 mounting to PCB	365-01391-01		LABEL BLNK 30X10.8MM TAMPERMARK VOID Ser No x1, Job No x1, Rev No x1 & Elec Insp x1
311-00010-39		KNOB RED PLASTIC ROUND Pushes on to SW2	365-01500-00		LABEL CE CONFORMITY 12*24MM
316-06399-01	5	PNL FRT COMPL T807 A3M2405/2	369-00020-52		TAPE ELECT INSULATION UL APPRVD 130°C For T4
316-21176-02	6	PNL REAR A3M2427/2 T807 COMPL SCRNB	399-00010-10		RUBBER BAND NO 33
318-01018-00	7	RAIL CHASSIS T807/808 A3M2404 Attached to PCB x2	399-00010-51		BAG PLASTIC 75*100MM For Mounting Kit
319-01189-01		SHIELD T807/808 MAINS FILTER Fitted to underside of board across output	400-00020-01		SLEEVING 0.7MM SIL RUBBER For Legs of R13A, R47 & R64
319-30030-01	8	SPACER A4M1115 T807/808 Between P.C.B. & Rails x6	400-00020-03		SLEEVING 1MM SIL RUBBER For Legs of R3, R11, 79A, R79B, R81 & R82
319-40012-00		EARTH STRAP DC T807/808 Fitted to underside of board across input	400-00020-05		SLEEVING 1.5MM SIL RUBBER
345-00040-06	9	SCREW M3*8MM PAN POZI ST BZ SK-3 x2, Mounting Kit x2 (in bag)	400-00020-07		SLEEVING 2MM SIL RUBBER Goes over wire on L6.
345-00040-12		SCREW M3X10MM CSK POZI ST BZ Mounting Kit x6 (in bag)	410-01081-00		CRTN T800 KIWI REF22860 402X192X66MM
345-00040-17	10	SCREW M3*16MM CSK POZI ST BZ D43 x1	410-01082-00		CRTN 10 T800 KIWI REF24417 423X410X360
*345-00040-19	21	SCREW M3*25MM PAN POZI ST BZ Fan x4			
345-00040-24	11	SCREW M3X20MM CSK POZI ST BZ Q1/Q2 Bracing Bracket x1			
349-00020-07	12	SCREW 4-40 X 5/16 PAN POZI TAPTITE BLACK Front x4, Rear x4, Cover x4			



T808
Mechanical Assembly
220-01183-07

T807/808 Grid Reference Index (IPN 220-01183-07)

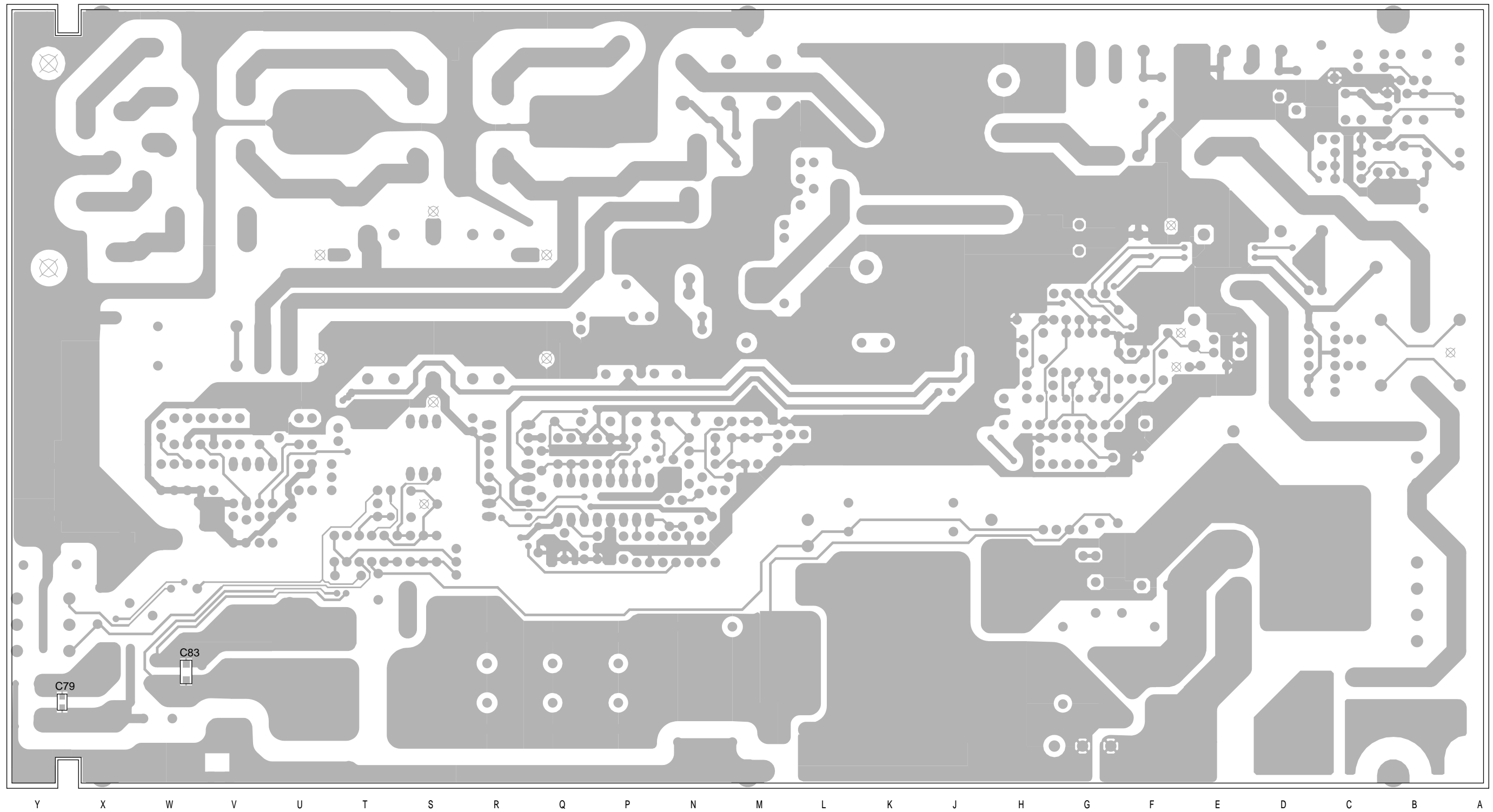
How To Use This Grid Reference Index

The first digit in the PCB layout reference is a "1" or "2", indicating the top or bottom side layout respectively, and the last two characters give the location of the component on that diagram.

The first digit in the circuit diagram reference is the sheet number, and the last two characters give the location of the component on that sheet.

Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit	Device	PCB	Circuit
C1	1:U10	1-C6	*C72	1:Q3	1-M8	D38	1:C10	1-J6	R6	1:L10	1-G5
C2	1:U12	1-C5	*C73	1:R3	1-N8	D41	1:G4	1-J8	R7	1:M10	1-G5
C3	1:T11	1-C6	C74	1:M2	1-L9	*D43	1:G2	1-H9	R8	1:L10	1-G5
C4	1:P11	1-D6	C75	1:N2	1-L8			1-H9	R9	1:G10	1-H5
C5	1:Q10	1-D6	C78	1:W3	1-Q9	*FAN	1:Z8	1-J0	R11	1:D2	1-H6
C5A	1:Q10	1-D6	C79	2:Y2	1-R9	*F1	1:V10	1-B6	*R12	1:C7	1-J4
C6	1:Q12	1-D5	C80	1:V2	1-P9	HS	1:P7	2-C0	R13A	1:B10	1-K5
C6A	1:Q12	1-D5	C81	1:V4	1-P8	IC1	1:G8	1-M4	R13B	1:B11	1-K5
*C9	1:K9	1-F6	C82	1:Y4	1-R7			1-Q3	R14	1:C11	1-K5
*C10	1:H11	1-G6	C83	2:W3	1-P8			1-M0	*R17	1:F12	1-M5
*C11	1:H9	1-F5	C84	1:R7	1-N6	IC2	1:P7	1-D3	R18	1:F12	1-L5
*C12	1:K11	1-G5	C85	1:S4	1-P6	IC3	1:U5	1-G2	*R19	1:D12	1-M5
*C13	1:J8	1-H5	C86	1:N4	1-P5			1-G0	R20	1:D12	1-L4
*C14	1:L8	1-H6	C87	1:N5	1-P5			1-D1	R24	1:E8	1-K4
*C15	1:D3	1-H5	C88	1:N5	1-Q5	IC4	1:Q6	1-L0	RV25	1:F8	1-K4
C16	1:B11	1-K5	C89	1:N5	1-R5	IC5	1:R5	1-M1	R26	1:E8	1-K3
C17	1:C8	1-J4	C90	1:X4	1-R6			1-N1	R27	1:G6	1-L4
C18	1:C11	1-K6	C91	1:X4	1-R5			1-L0	R28	1:G6	1-L4
C19	1:G8	1-L6	C92	1:W1	1-R8	IC6	1:R6	1-M1	R29	1:H6	1-L3
C20	1:C12	1-K4	C93	1:W1	1-R8			1-N1	R30	1:G7	1-M4
C21	1:D8	1-J3	C95	1:T5	1-P8			1-L0	R32	1:G6	1-M4
C22	1:G6	1-L4	C96	1:N6	1-J1	IC7	1:S6	1-N6	R33	1:G7	1-M3
C23	1:F6	1-M4	C98	1:N7	1-G1	IC8	1:S4	1-P5	R34	1:G7	1-M3
C24	1:F7	1-M3	C99	1:P7	1-K1	I/OPAD1	1:V5	1-F2	R35	1:G8	1-N3
C25	1:N6	1-M2	C100	1:G7	1-M4	I/OPAD2	1:V5	1-F2	R36	1:M6	1-M3
C26	1:M6	1-M2	C102	1:X11	1-B6	L1	1:X12	1-A5	R37	1:M6	1-N2
C27	1:L6	1-N2	C104	1:H8	1-P1	L1A	1:X10	1-A6	R38	1:M6	1-N2
C31	1:E7	1-Q3	*C112	1:U10	1-C6	L2	1:V11	1-B6	R39	1:C11	1-J6
C32	1:G8	1-Q3	*C113	1:U12	1-C5	L3	1:S11	1-C6	R40	1:C10	1-K6
C33	1:H8	1-M0	*C120	1:X10	1-A6	L4	1:C12	1-K3	R41	1:H7	1-N3
C34	1:H8	1-N0	*C121	1:W12	1-A5	L5	1:C12	1-K4	R43	1:C7	1-K6
C35	1:C12	1-Q1	D1	1:N10	1-F6	L6	1:W3	1-Q9	R44	1:G8	1-Q3
C37	1:P9	1-C2	D2	1:N9	1-F6	L7	1:W5	1-D0	R45	1:C10	1-K6
C38	1:N7	1-D2	D3	1:N8	1-F6	L8	1:W5	1-D0	R46	1:G7	1-K0
C39	1:P7	1-E2	D4	1:M9	1-F6	L9	1:F11	1-M5	R47	1:G6	1-N0
C42	1:W7	1-E2	D5	1:D7	1-J4	L10	1:D11	1-M5	R48	1:F7	1-P3
C43	1:V5	1-F2	D6	1:D8	1-J4	L12	1:T4	1-Q8	R49	1:N10	1-B2
C44	1:U5	1-F2	D7	1:C8	1-J3	L13	1:T4	1-Q7	R50	1:V6	1-E2
C45	1:W6	1-F1	D8	1:C7	1-J3	L14	1:T4	1-Q7	R51	1:W7	1-F2
C46	1:W6	1-F0	D11	1:C12	1-H2	L15	1:T4	1-Q7	R52	1:V5	1-G3
C49	1:U6	1-D1	D12	1:B11	1-K5	PL-1	1:D9	1-E0	R53	1:U7	1-F2
C50	1:V6	1-E1	D13	1:A11	1-K5	*PL-2	1:T6	1-H0	R54B	1:U5	1-F2
C51	1:W5	1-D0	D14	1:G11	1-L6	*Q1	1:G12	1-L5	R55	1:W6	1-E1
C54	1:P5	1-K0	*D15	1:G12	1-L6	*Q2	1:E12	1-L4	R56	1:W6	1-F0
C55	1:Q5	1-K2	*D18	1:E12	1-L5	Q3	1:H6	1-L3	R57	1:W6	1-F1
C56	1:P4	1-K2	D19	1:E11	1-L4	Q4	1:M6	1-N2	R58	1:W6	1-F0
C57	1:Q5	1-K2	D20	1:H7	1-N4	Q6	1:U6	1-H0	R59	1:V5	1-G1
C59	1:P6	1-K1	D21	1:H7	1-P4	Q7	1:B11	1-J2	R60	1:F7	1-P3
C60	1:Q5	1-M2	D22	1:N6	1-M3	Q8	1:T5	1-N7	R61	1:G8	1-Q3
C61	1:Q7	1-K0	D23	1:A12	1-R2	Q9	1:H5	1-K8	R62	1:U6	1-G0
C62	1:Q6	1-K0	D24	1:Q8	1-C2	Q10	1:B12	1-R2	R63	1:U6	1-H0
C63	1:H7	1-N1	D25	1:P8	1-C2	Q11	1:P6	1-H1	R64	1:V6	1-D1
C65	1:G5	1-K8	D26	1:N8	1-C2	Q12	1:P6	1-H1	R65	1:B11	1-J3
C66	1:G3	1-H8	D27	1:P8	1-C2	Q13	1:M7	1-J1	R66	1:B11	1-J3
C67	1:F3	1-J8	D30	1:U7	1-F3	R1	1:X9	1-A6	R67	1:C11	1-J2
*C68	1:P2	1-L8	D31	1:V6	1-F2	R2	1:N11	1-E6	R68	1:C12	1-Q1
*C69	1:Q2	1-L8	D32	1:A11	1-J2	R3	1:U8	1-E6	R69	1:B12	1-R2
*C70	1:R2	1-M8	D36	1:Q6	1-L1	R4	1:M8	1-G6	R70	1:P5	1-L2
*C71	1:P3	1-M8	D37	1:Q6	1-M1	R5	1:L10	1-G6	R71	1:P6	1-K1

<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>	<u>Device</u>	<u>PCB</u>	<u>Circuit</u>
R72	1:P6	1-K1									
R73	1:P4	1-K0									
R74	1:Q6	1-M2									
R75	1:Q6	1-M2									
R76	1:H8	1-Q2									
R79A	1:G2	1-H9									
R79B	1:G2	1-J9									
R80	1:T4	1-J9									
R80A	1:F4	1-J8									
R80B	1:G5	1-K8									
*R81	1:J5	1-K9									
RV81	1:F7	1-P3									
*R82	1:J5	1-K9									
R83	1:T5	1-Q7									
R84	1:T5	1-Q7									
R85	1:T2	1-P9									
R86	1:T4	1-N7									
R87	1:T4	1-P6									
R88	1:S5	1-P6									
R89	1:T4	1-Q6									
R90	1:S4	1-P6									
R91	1:N4	1-N5									
RV92	1:S5	1-Q5									
R93	1:T5	1-Q5									
R94	1:P5	1-Q5									
R95	1:N5	1-Q4									
R96	1:N5	1-R5									
R98	1:U4	1-P7									
R99	1:W4	1-P7									
R100	1:N6	1-H1									
R101	1:Q6	1-H1									
R102	1:N6	1-J1									
R103	1:N5	1-J1									
R104	1:N5	1-J1									
R105	1:M7	1-J1									
R106	1:H7	1-N4									
R107	1:H7	1-P4									
RLY1	1:V8	1-J9									
		1-F6									
SW1	1:N12	1-E5									
		1-A3									
SW2	1:C9	1-J3									
SK-1		1-E0									
SK-2	1:X7	1-H0									
SK-3	1:X10	1-A4									
SK-4	1:X2	1-R9									
SK-5	1:X3	1-R8									
SK-6	1:Y3	1-R6									
SK-7	1:Y3	1-R6									
SK-8	1:Y4	1-R7									
T1	1:C5	1-J5									
T2	1:B8	1-J5									
T3	1:F10	1-M4									
T4	1:S8	1-B2									
*T5	1:K3	1-K8									
T6	1:T3	1-P8									
TAB-1	1:Y8	1-A7									
TC1		1-E3									
TP1	1:N7	1-G6									
TP2	1:G10	1-G5									
TP3	1:D8	1-J4									
TP4	1:L7	1-B0									
TP5	1:C9	1-E3									
TP6	1:K7	1-P1									
TP7	1:J7	1-P1									



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

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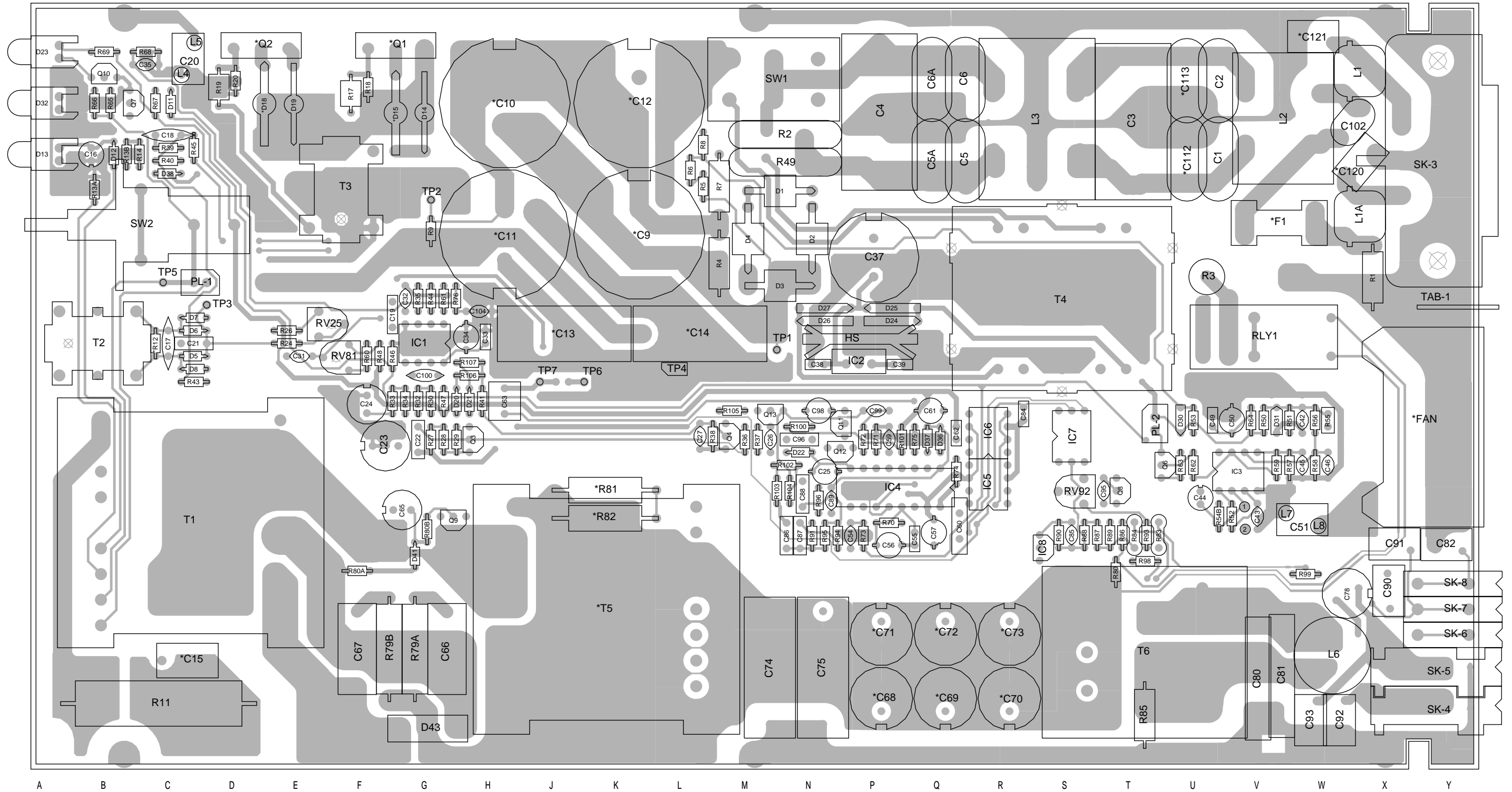
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T807/808 PCB Layout
Top Side
220-01183-07

