TAIT ELECTRONICS LTD

Address:	558 Wairakei Road, Christchurch, New Zealand.
Postal Address:	PO Box 1645, Christchurch, New Zealand.
Telegrams & Cables:	'Taitronics'
Telex:	NZ 4926
Telephone:	358 3399
Fax:	(64) (3) 358 3603, 358 3636 or 358 9299

T555 Mobile Two Way Radio

UHF FM 400-520MHz

(M555-00)

Issue B

TECHNICAL INFORMATION

For further information about this Manual, or the equipment it describes, contact the Product Distribution Group, Tait Electronics Ltd, at the above address.

UPDATING EQUIPMENT AND SERVICE MANUALS

In the interests of improving performance, reliability or servicing, Tait Electronics Ltd reserve the right to update their equipment and/or Service Manuals without prior notice.

SCOPE OF MANUAL

This Manual covers the General, Technical and Servicing Information on the T555 mobile two way radio.

Ordering Tait Service Manuals

When ordering Tait Service Manuals, quote the Tait Internal Part Number (IPN) and where applicable the version.

Date Of Issue

IPN M555-00 T555 Service Manual (All Versions)

Provisional Issue published September 1987
Issue A published July 1988
Issue B published May 1991

Manual Revisions

This Tait Service Manual may incorporate textural revisions and, where necessary, updated Parts Lists and Diagrams.

Those portions of text that have been changed from the previous issue Manual are indicated by a vertical line in the outer margin of the page.

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SECTION 6 PARTS LIST

Refer to page 6.2 for index

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DIAGRAMS

SECTION 1 GENERAL INFORMATION

1.1 INTRODUCTION

The T555 is a high performance, synthesized mobile two way radio with a nominal RF power output of 25 watts. It is intended for operation in the 400 to 520MHz frequency range with 25kHz channel spacing at ±5kHz deviation, or 12.5kHz channel spacing and ±2.5kHz deviation. The standard set has a two channel capacity.

Operation of the T555 is by hand held microphone and press-to-talk switch, plus five front panel mounted controls: 'Volume', 'Squelch', 'Channel Change', 'Call' and 'On/Off switch'. Visual indication of 'Channel Selected', 'Transmit', 'Busy' and 'Call' (if selective calling is fitted) is by illuminated front panel display.

Provision is made for selective calling and CTCSS to be incorporated within the case of the T555.

The two injection moulded plastic covers and the plastic front panel can be easily removed to expose both sides of the printed circuit board for ease of servicing.

The T555 employs the dual modulus system of frequency synthesis. Channel information is held on a plug-in diode matrix board which can be field programmed with a soldering iron.

The dual conversion receiver employs both discrete components and integrated circuits. It also includes a signal-to-noise ratio operated squelch circuit. The receiver delivers approximately 4 watts of audio power to an 8 ohm speaker.

The transmitter VCO provides about 10 milliwatts of frequency modulated RF drive to the five stage broad band RF power amplifier. An audio processor provides modulation level control and deviation limiting and a transmit timer returns the T555 to receive after approximately one and a half minutes of transmission.

The T555 is light and compact and is supplied with a versatile mounting system to allow easy installation in any vehicle. Mains operation is possible when the T555 is used with the T508 power supply.

The DC supply to the set must be negative earth and may be between 10.8 and 16 volts. The T555 is protected against reversal of the DC supply polarity.

1.2 SPECIFICATIONS

1.2.1 GENERAL

The performance figures given are typical figures, unless otherwise indicated, for equipment tuned with the maximum switching band and operating at standard room temperature (22°C to 28°C). Unless otherwise indicated, the figures apply to all versions.

Where applicable the test methods used to obtain the following performance figures are those described in the New Zealand Post Office Specification RTA25.

Details of test methods and the conditions which apply for type approval testing in all countries can be obtained from Tait Electronics Ltd.

Modulation Type	.. Frequency Modulation
Frequency Ranges	.. 400 to 520MHz
Frequency Increment	.. 12.5kHz (minimum)
Number Of Channels	.. 2, 10, 40 or 80 (to order)
Switching Range:	
Transmitter & Receiver	.. 6MHz
Supply Voltage:	
Operating Range	.. 10.8 to 16V DC
Standard Test Voltage	.. 13.8V DC
Polarity	.. negative earth only
Polarity Protection	.. internal crowbar diode
Supply Current:	
Receiver - Squelched	.. 175mA
Receiver - Full Audio	.. 700mA
Transmitter	.. 5.5A
Antenna Impedance	.. 50 ohms (nominal)
T/R Changeover Switching	.. solid state
Operating Temperature Range (refer to Section 1.2.4)	.. -30°C to +60°C
Dimensions:	
Length	.. 238mm
Width	.. 150mm
Height	.. 45mm
Weight	.. 1.2kg

1.2.2 RECEIVER

Type	.. dual conversion superhet
12dB Sinad Sensitivity:	
Wide Band	.. -117dBm (0.32µV)
Narrow Band	.. -116dBm (0.35µV)
I.F Amplifiers:	
Frequencies	.. 21.4MHz and 455kHz
Bandwidth:	
Narrow	.. 7.5kHz
Wide	.. 15kHz
Signal+Noise-to-Noise Ratio:	
Narrow Band	.. 28dB
Wide Band	.. 33dB
Selectivity (adjacent channel)	.. 75dB
Spurious Response Attenuation	.. 70dB
Intermodulation Response Attenuation	.. 75dB
Spurious Emissions:	
Conducted	.. -60dBm
Radiated (½-wavelength dipole)	.. -57dBm
Audio:	
Output into internal 8 ohm speaker	.. 2 watts
Output into external 3.5 ohm speaker	.. 4 watts
Distortion (at rated power)	.. 2%
Minimum Load Impedance	.. 2 ohms
Audio Response	.. within +1, -3dB of a 6dB/octave de-emphasis characteristic (ref. 1kHz)
Audio Bandwidth	.. 300Hz to 3kHz
Squelch:	
Threshold	.. -117dBm (0.32µV pd)/3dB Sinad
Hard Setting	.. -110dBm (0.71µV pd)/16dB Sinad
Ratio	.. 70dB
Opening Time	.. 10ms (-113dBm)

1.2.3 TRANSMITTER

Power Output	.. 25 watts
Tx Lockup Time	.. 35ms
Spurious Emissions:	
Conducted	.. -26dBm
Radiated (½-wavelength dipole)	.. -26dBm

Adjacent Channel Power:

Narrow Band	.. -70dBc
Wide Band	.. -80dBc

Modulation System:

Type	.. direct FM
Deviation Limiting	.. ±5kHz (peak) maximum
Bandwidth	.. 300Hz to 3kHz

Responses:

In Limiting	.. within +0dB, -4dB of max. system deviation
Below Limiting	.. within +1, -3dB of 6dB/octave pre-emphasis (ref. 1kHz)
Frequencies Above 3kHz	.. greater than 25dB/octave roll-off

Audio:

Input For 60% Maximum Deviation (at 1kHz)	.. 6mV rms
Distortion	.. 2%
Hum & Noise	.. 45dB

Mismatch Capability:

Stability	.. VSWR < 5:1 (all phase angles)
Ruggedness	.. 2 minute transmit into infinite VSWR (all phase angles)

Transmit Timer .. 1.5 minutes

1.2.4 FREQUENCY REFERENCE

Stability:

±5ppm (-10°C to +60°C)	.. TE/9 or TE/37
±5ppm (-30°C to +60°C)	.. TE/9 or TE/37 + crystal heater (after 1 minute)
±4ppm (-10°C to +60°C)	.. TE/24 or TE/26
±3ppm (-10°C to +60°C)	.. TCXO

Heater Warm-Up Time (below 0°C) .. 1 minute

Oscillator frequency:

For channel spacing at multiples of 12.5kHz .. 12.8MHz

1.3 VERSIONS

Description	Version																							
	10	15	20	21	22	23	24	25	26	27	28	29	30	32	33	35	50	51	52	60	70	71	73	90
400-470MHz	+		+	+	+	+	+						+	+	+				+	+	+	+		+
450-520MHz		+						+	+	+	+	+				+	+	+					+	
7.5kHz IF Bandwidth					+	+			+	+			+	+	+	+		+					+	
15kHz IF Bandwidth	+	+	+	+			+	+			+	+					+		+	+	+	+		+
CTCSS	+	+	+		+	+	+	+	+	+	+			+			+							+
Scanning Multichannel																	+	+	+					
TCXO					+	+			+	+			+			+		+						
Crystal Heater																				+				+
1W Tx Power						+	+			+	+													
Standard Cradle	+	+																		+				
Rugged Cradle			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+

Note: T555-60 has a CMC front panel.
T555-70 has an Intron front panel.
T555-73 has a GSA2210J 5 tone/CTCSS PCB fitted.

1.4 OPERATING INSTRUCTIONS

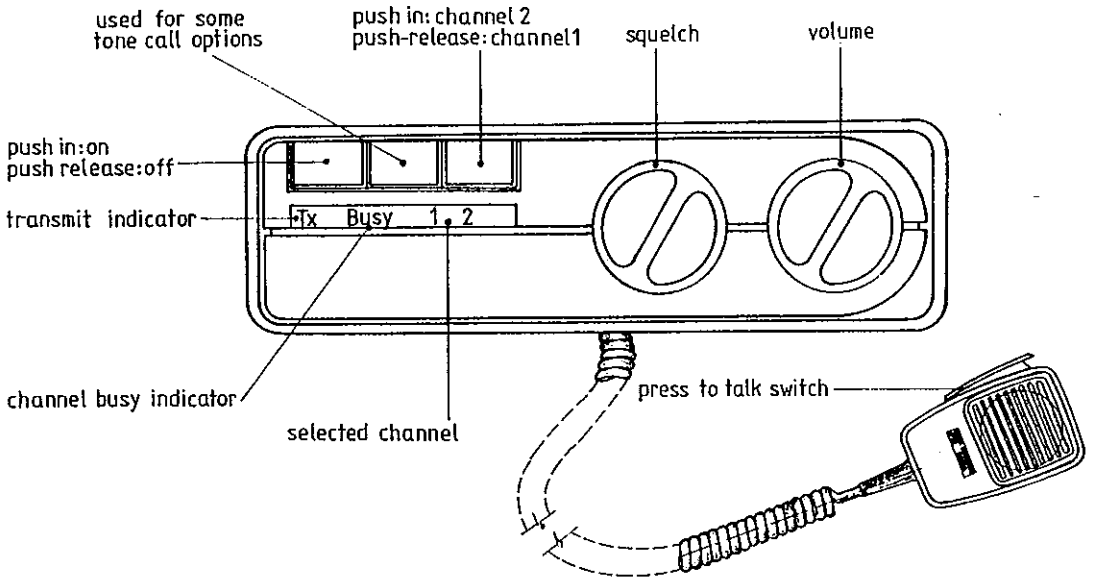


Figure 1 Front Panel Layout

To Receive:

a) The front panel display will indicate which channel has been selected.

b) Turn the squelch control clockwise until noise is heard, then turn it anticlockwise 5° beyond the point at which the receiver quietens.

Note: Where CTCSS is used without a hook monitoring facility, it will be necessary to view the 'Busy' indicator when setting the squelch.

To Transmit:

a) Check that the channel is vacant before transmitting.

b) Close the press-to-talk switch before beginning to speak.

c) The T555 will automatically revert to receive after 1.5 minutes of transmission. To continue transmitting, release, then close the press-to-talk switch.

d) Always replace the microphone in the clip when not in use.

SECTION 2 CIRCUIT OPERATION

Refer to the Block and Circuit Diagrams at the rear of this Manual.

2.1 SYNTHESIZER

The dual modulus synthesizer of the T555 features separate on-frequency VCOs for receive and for transmit. Each VCO consists of a J-FET oscillator buffered by a dual gate MOSFET. The transmit VCO is frequency modulated by the application of audio to the source of Q36.

A crystal provides a stable reference frequency of 12.8MHz which is divided down to 12.5kHz and fed to one input of a phase comparator within IC8. For applications which require high frequency stability over a wide temperature range, a crystal heater is added. The crystal and heater are mounted on the LED board.

The VCO frequency is divided by the 64/65 prescaler, IC9, and then further divided within IC8 to provide the other input to the phase comparator. The division ratio in IC8, and hence the channel frequency, is determined by the diode matrix board.

The phase comparator output (pins 7 & 8 of IC8) is fed to VCO varicaps D35 & D50 via the speedup circuit (Q27, Q28) and the loop filter (R181, C177, R183, C178, R186), and then to either R187 & C185 on receive, or R227 & C226 on transmit.

2.2 RECEIVER

The RF signal from the PIN switch is amplified by Q15 and fed to the gate of the mixer FET (Q16) via a triple tuned circuit (note the use of LC circuits rather than helical resonators). 10mW from the receive VCO is fed to the source of the mixer.

The IF output from the mixer passes through the first 21.4MHz crystal filter and is amplified by Q21 and Q2. It then passes through the second 21.4MHz crystal filter before being fed to IC7.

IC7 provides the following functions: IF conversion from 21.4MHz to 455kHz with external crystal X1 (CF1 sets the 455kHz IF bandwidth); amplitude limiting; quadrature detection with CD1; and squelch. Q19 provides additional limiting gain.

Audio from pin 9 of IC7 is de-emphasised by R68 and C55 and is fed through the audio processor (see Section 2.4.2) to the audio output amplifier, IC4.

2.3 SQUELCH

An input signal to the squelch circuit is obtained from the audio output of IC7 via RV149. This signal has a noise level which is inversely related to the level of an RF signal at the receiver input.

An op-amp within IC7 is used in a band pass filter configuration to select and amplify noise frequencies above the audio band. The centre frequency is approximately 8kHz for the wide band T555 and 4.5kHz for the narrow band version.

The band pass filter output is rectified by Q20 to give a positive going DC voltage which is an inverse function of the RF signal strength.

This DC voltage is then fed to a threshold detector within IC7, in such a way that pin 14 of IC7 is high in the presence of noise and low in the absence of noise. The threshold point occurs at approximately 0.7 volts.

The switching signal from the threshold detector is then inverted by Q7. D9, C17 and R26 provide an extended tail time (to prevent squelch closure during rapid fades) while maintaining a fast opening time.

Q6 drives the squelch element, which is part of the audio processor, and the 'Busy' LED.

2.4 TRANSMITTER

2.4.1 RF STAGES

The 10mW output of the frequency modulated transmit VCO is amplified to a level of 25 watts by a 5 stage broad band amplifier (Q40, Q41, Q45, Q46, Q47). High level RF then passes via the aerial PIN switch through the low pass filter to the aerial connector.

The transmit power output is set at 25 watts by RV253 which controls the collector voltage of Q45 and hence the gain of the broad band amplifier. The circuit utilises a power detector, D57, and a feed back loop to hold the transmitter power to 25 watts under conditions of varying supply voltage.

Transistor Q42 prevents the transmitter turning on when the synthesizer is out of lock.

Note: A receiver front end protection circuit, consisting of D58 and R269, detects the presence of avalanche current in the series receiver PIN diode (D56) and turns the PA power down via the out of lock transistor (Q42). The avalanche current can occur under extreme VSWR conditions. Transistor Q48 adds a small delay to the switching voltage for D56.

2.4.2 AUDIO PROCESSOR

Transistor Q10 provides microphone preamplification while IC2 provides the necessary gain limiting and filter functions for the audio signal. An automatic level control (ALC) function is performed by detector Q11 and shunt elements D15 and D16. The analogue switches within IC3 allow either transmit or receive audio to be directed through the audio processor. Connection points for CTCSS or selective calling options are shown on the Circuit Diagram.

2.5 POWER SUPPLY

2.5.1 GENERAL

Note: The T555 is suitable for negative earth applications only.

The unit is protected by a crowbar diode (D1) which will blow the fuse if the supply is reverse connected.

DC is connected to the audio output IC and the transmitter final, driver, and power turn-down stages whenever the T555 is connected to a supply.

2.5.2 CONTINUOUS SUPPLIES

DC from the on/off switch supplies the audio output IC enable and the short circuit protected 9 volt regulator. A continuous 9 volts is applied to the audio processor and synthesizer.

2.5.3 RECEIVE

When the PTT switch is open, IC1 turns Q5 on and Q4 off, enabling the following circuits:

that part of the diode matrix board containing receive channel information
receive VCO
receiver
squelch control
CMOS gate in the receive audio path
receive diode in the aerial switch.

2.5.4 TRANSMIT

When the PTT switch is closed, IC1 turns Q4 on and Q5 off enabling the following circuits:

that part of the diode matrix board containing transmit channel information
transmit VCO
low power transmitter stages
CMOS gates in the microphone audio and modulation paths
transmit diode in the aerial switch.

Closing the PTT switch also initiates a timer circuit around IC1 which will return the T555 to receive after 1.5 minutes of transmission.

2.5.5 FREQUENCY INFORMATION

This is supplied by a matrix board using surface mount devices.

The diode matrix board has four rows of diodes. A row is selected by D44 to D47 and R216 to R219 according to the channel switch position and whether the T555 is in the receive or transmit mode. The channel frequency is selected by soldering between pads as described in Tables 1 and 2, such that the correct pattern of '0's and '1's is presented to IC8.

SECTION 3 ANCILLARY EQUIPMENT

3.1 T508-01/02 POWER SUPPLY

The T508 Power Supply will allow the operation of a T500 Series I or II two way radio from a 230V (nominal) 50Hz or a 115V (nominal) 60Hz mains supply. The radio can be mounted on the T508 to give a compact desk top installation, or they can be separately wall mounted to save desk space.

The T508 provides a 13.8V DC 5.5A (intermittent) regulated supply for the T500 Series I and II two way radios and incorporates current limiting and thermal protection.

Type Numbers:

230V Supply	.. T508-01 (previously designated T508)
115V Supply	.. T508-02 (previously designated T508/115)

3.2 T508-21/22 SWITCH MODE REGULATOR

The T508-21/22 Power Supply uses switch mode technology to control the regulation of the output voltage. This results in a power supply with a higher temperature rating, improved efficiency and greater reliability.

The T508-21/22 provides a 13.8V DC 6.5A (intermittent) regulated supply for the T500 Series I and II two way radio and incorporates current limiting and thermal protection.

Type Numbers:

230V Supply	.. T508-21
115V Supply	.. T508-22

3.3 T220-02 REMOTE SPEAKER ASSEMBLY

The T220-02 (previously designated the T220/2) is a remote speaker assembly which may be used with the T555. It comprises a heavy duty speaker mounted in a rugged enclosure which pivots on its mounting bracket. The 3.5 ohm voice coil of the speaker is connected by a short lead terminated in a 2 pin cord mounted connector. The enclosure is compact and easily mounted in any convenient position.

3.4 T500-01 CTCSS

The T500-01 CTCSS unit (previously designated the TA-500/CTCSS) is a plug-in option designed to fit T500 Series I and II two way radios.

It requires no wiring to install and will encode and decode CTCSS tone frequencies within the range 67Hz to 250Hz with separate adjustment for each channel. Hook switch monitoring and transmit inhibit on "busy" may be field selected.

Refer to TI-343 for fitting and servicing details.

3.5 T500-11 CTCSS

The T500-11 is a plug-in CTCSS encoder/decoder designed to fit T500 Series II radios. All functions and specifications of the T500-11 are the same as the T500-01, but the T500-11 has an additional alert tone ("beep") circuit.

This feature gives an audible indication of a busy channel when transmit inhibit is active. The operator no longer needs to look at the radio for a busy indication (which may be unsafe in a motor vehicle), as is the case with the T500-01.

Refer to TI-336B for fitting and servicing details.

3.6 T500-02 MULTICHANNEL CTCSS

The T500-02 (previously designated TA-500MC/CTCSS) is a high performance CTCSS encoder/decoder for use with T500 Series I and II radios equipped with any one of the following multichannel conversion kits:

T500-03 (previously designated TA-500/10)
T500-04 (previously designated TA-500/40)
T500-55
T500-58

It will encode and decode all 37 standard tones from groups A, B and C, permitting the use of all 37 tones on one repeater. Encode and decode tones may be the same or different on each radio channel programmed. No tone on transmit and no CTCSS mute on receive may also be programmed on any radio channel.

Hook switch monitoring is also programmable on any channel. Transmit inhibit on busy is fitted as standard.

Refer to TI-328 for fitting and servicing details.

3.7 T500-03/04 MULTICHANNEL

The T500-03 and T500-04 (previously designated TA-500/10 and /40 respectively) are add-on kits which convert a T500 Series I or II two way radio to 10 or 40 channel operation. Compatibility is maintained with all other Tait T500 accessories.

An Erasable Programmable Read Only Memory (EPROM) is used to store channel and CTCSS data. The EPROM is field programmable using a Tait T601 Programmer.

Refer to TI-292B for fitting and servicing details.

3.8 T500-55 MULTICHANNEL

The T500-55 is a retrofit kit which converts a T500 Series II two way radio to 10, 20, 40 or 80 channel operation. Compatibility is maintained with all other Tait T500 Series II accessories.

An Erasable Programmable Read Only Memory (EPROM) is used to store channel and CTCSS data. The EPROM is field programmable using a Tait T601 Programmer.

Channel selection is made by the front panel mounted up/down push buttons. A squelch defeat button is also provided.

Refer to TI-323 for fitting and servicing details.

3.9 T500-58 SCANNING MULTICHANNEL

The T500-58 is a retrofit kit which converts a T500 Series II two way radio to 10, 20, 40 or 80 channel operation with the capability of scanning up to 10 channels. If priority scanning is required, this is reduced to 5 scanning channels plus the priority channel.

An Erasable Programmable Read Only Memory (EPROM) is used to store channel, scanning and CTCSS data. The EPROM is field programmable using the T500-25 Tait programming kit and a user supplied EPROM programmer.

Channel selection is made by the front panel mounted up/down push buttons. A squelch defeat button is also provided.

Refer to TI-352A for fitting and servicing details.

3.10 T500-07 RUGGED CRADLE

The T500-07 (previously designated the TA-500/RC) is a rugged cradle affording a higher level of environmental and mounting security than the standard cradle. It comes complete with mounting screws and cradle unlocking key.

3.11 T500-22 DIODE MATRIX

The T500-22 (previously designated the TA-500/M2) is a plug-in memory unit using surface mount devices.

3.12 T500-26/27 TCXO

The T500-26 or -27 TCXO PCB's are 12.8MHz reference oscillators with ±3.0ppm temperature stability over the temperature range of -10°C to +60°C. The T500-27 is additionally specified to be within ±5.0ppm from -30°C to -10°C.

These optional PCB's are fitted in place of the T500 LED PCB, and employ temperature sensing and compensation techniques to achieve the ±3.0ppm stability without the high current consumption normally associated with crystal heaters.

Refer to TI-316B for fitting and servicing details.

3.13 T500-56/57 TCXO

The T500-56 or -57 TCXO PCB's are 12.8MHz reference oscillators with ±3.0ppm temperature stability over the temperature range of -10°C to +60°C. The T500-57 is additionally specified to be within ±5.0ppm from -30°C to -10°C.

These add-on PCB's are used when the T500 Series II two way radio is fitted with a combined T500 Diode Matrix and LED, a T500-55 Multichannel or a T500-58 Scanning Multichannel PCB. The TCXO employs temperature sensing and compensation techniques to achieve the ±3.0ppm stability without the high current consumption normally associated with crystal heaters.

Refer to TI-338B for fitting and servicing details.

SECTION 4 INSTALLATION

4.1 VEHICLE INSTALLATION

Installation instructions (IPN 409-50001-00) are packed with each radio.

CAUTION: The T555 is suitable for negative earth installation only.

SECTION 5 SERVICING

5.1 GENERAL

5.1.1 NOTES

If further information is required about the T555 or this Manual, it may be obtained from Tait Electronics Ltd or accredited agents. When requesting this information, please quote either the equipment type number (eg. T555-10), or serial number (found adjacent to the aerial connector at the back of the set). In the case of the Circuit Diagrams quote the 'Title' and 'Issue' and for the Service Manual quote the internal part number (IPN) and Issue, e.g. M555-00, Issue A.

CAUTION: CLEANING

This is a plastic based product with a secondary finish on the front panel. Use a cloth dampened with warm, soapy water to clean. If solvent cleaners are to be used for stubborn stains, test first on a part of the set normally out of sight. Do not use solvent cleaners on the front panel.

CAUTION: AERIAL LOADING

The equipment has been designed to operate over a wide range of aerial loading conditions. However, it is strongly recommended that the transmitter is not operated in the absence of a suitable load. Failure to observe this precaution may result in damage to the transmitter power output stage.

CAUTION: BERYLLIUM OXIDE & POWER TRANSISTORS

The RF power transistors in current use all contain some beryllium oxide. This substance, while perfectly harmless in its normal solid form, can become a severe health hazard when it has been reduced to dust. For this reason the RF power transistors should not be scratched, mutilated, filed, machined, or physically damaged in any way that can produce dust particles.

CAUTION: CMOS DEVICES

The equipment contains CMOS devices which are susceptible to damage from static charges. Care when handling these devices is essential. For correct handling procedures refer to the manufacturers data books, eg. Philips data books covering CMOS devices, or Motorola CMOS data books, Section 5 'Handling', etc.

5.1.2 TECHNICAL INSTRUCTIONS

From time to time 'Technical Instructions' (TI's) are issued by Tait Electronics Engineering Division. These TI's may be used to update equipment or information, or to meet specific operational requirements.

5.2 MECHANICAL

5.2.1 POZIDRIV RECESS HEAD SCREWS

Pozidriv screws are the preferred standard on all Tait manufactured equipment. The very real advantages of this type of screw will not be realised unless the correct screwdrivers are used by servicing personnel.

Pozidriv No 1 screwdrivers will fit the pozidriv screws used in the T555. Philips cross-head screwdrivers are not satisfactory for use on these screws.

5.2.2 DISASSEMBLY INSTRUCTIONS

Note: To assist in separating the top and bottom covers, a thin plastic strip (such as a plastic rule) may be inserted between the covers and used as a lever.

5.2.2.1 To Gain Access To The Component Side Of The PCB

Place the T555 upside down on the bench.

Remove the 4 bottom cover retaining screws.

Gently lift both ends of the bottom cover until it clears the front panel and heatsink.

Lift away the bottom cover.

5.2.2.2 To Gain Access To The Track Side Of The PCB

Remove the bottom cover as in 5.2.2.1 above.

Turn the T555 over on the bench.

Remove the 2 top cover retaining screws.

Gently raise both ends of the top cover until it clears the front panel and heatsink.

5.2.2.3 To Remove The Front Panel

Remove the bottom and top covers as instructed above.

Slide the front panel forward.

It is not necessary to remove the knobs, they may be left in situ.

5.2.2.4 To Gain Access To The PA Components

To gain access to the PA, remove the screws retaining the two PA cavity lids.

Remove the component side lid towards the right hand side of the PCB (as viewed from the front of the set) so that it clears the power supply feedthrough capacitor.

5.2.2.5 Speaker Removal/Refitting

The speaker in the T555 is held in place with four "push-on fix" spring clips (IPN 357-00010-09, Spire No. SFP 3253) which may cause problems when the speaker is removed.

To remove the speaker, cut the spring clips off the plastic locating pegs with wire cutters. Do not attempt to prise off the spring clips as this will damage the pegs.

Fit four new clips when refitting the speaker.

5.2.3 VCO CAN

CAUTION: When loosening or tightening the 4 retaining screws of the VCO can, support the can from the component side as undue pressure on the PCB may fracture some of the chip capacitors.

5.2.4 REASSEMBLY

Reassembly is carried out in the reverse order of the above.

Replace the PA covers.

Slide on the front panel, taking care to guide the four LEDs into their respective channels in the plastic moulding.

Press the microphone cord into its retaining slot.

Fit the top cover:

Gently press the cover into position, taking care to position the rim at the rear of the cover into the heatsink groove. Ensure that the rim of the front panel fits into the groove round the front of the top cover.

Replace the two "Taptite" screws at the rear of the cover.

Fit the bottom cover:

Invert the T555.

Gently press the cover into position, taking care to position the rim at the rear of the cover into the heatsink groove. Ensure that the rim of the front panel fits into the groove round the front of the bottom cover.

While fitting the bottom cover, check that the right hand retaining screw pillar slides into the hole in the diode matrix/LED PCB.

Replace the two "Taptite" screws at the rear of the cover and the two "Plastite" screws at the front of the cover.

5.3 REPAIR

5.3.1 COMPONENT CHECKS

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 unsoldered). An AVO model 8 or equivalent meter 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 operating performance.

If an integrated circuit (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. These values can be found on the Circuit Diagram, or in the component data catalogue.

5.3.2 LEADED COMPONENT REPLACEMENT

Whenever components are removed from, or fitted to the printed circuit track, care must be taken to avoid damage to the track. If it is necessary to remove a component from the track, the following procedure is recommended:

Remove the solder from the component leads using a solder wick.
Loosen the individual leads from the printed track.
Withdraw the component from the top of the PCB.

Because of the delicate nature of the printed track, the use of solder suckers is not recommended.

Do not remove the component from the PCB while the solder is still molten.

Keep all soldering operations, and the heat and solder applied, to a minimum. A thermally controlled, fine tip soldering iron should be used. Ensure that the iron is earthed back to the frame of the set.

5.3.3 CHIP COMPONENT REMOVAL/REPLACEMENT

Note 1: **The following procedure applies only to chip capacitors, resistors and transistors. Do not attempt to remove surface mount IC's by hand with a soldering iron. These devices must be serviced only with appropriate desoldering equipment or by an Approved Tait Dealer.**

Note 2: The temperature of the soldering iron must be maintained at 320-370°C (600-700°F) and a low temperature solder should be used.

5.3.3.1 Component Removal

1. Place the soldering iron tip directly on the component in order to melt the solder and glue as shown in Figure 2. Remove the component with tweezers or long nose pliers.

2. Completely remove the old solder from the PCB, using a solder wick. Application of a small amount of flux will greatly aid in the removal of old solder. The use of 'solder suckers' is not recommended.

5.3.3.2 Replacement

1. After a component has been removed and the PCB pattern cleaned, apply a small amount of solder on the PC pattern and allow to cool, as shown in Figure 3.

2. Insert the new components and apply the soldering iron tip to the PC pattern as shown in Figure 4 (a), (b) and (c).

CAUTION: As patterns and components are close to each other, extreme care must be excercised when soldering so as not to damage components or bridge the PCB pattern paths. High soldering iron temperatures can cause component damage. Do not apply the soldering iron tip to the new component during installation.

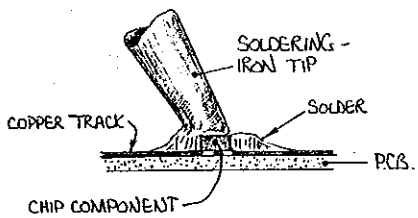


Figure 2

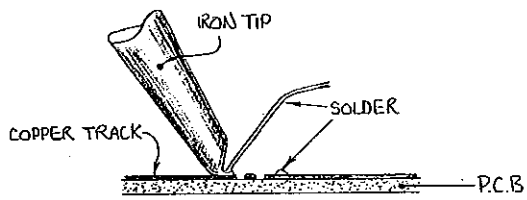


Figure 3

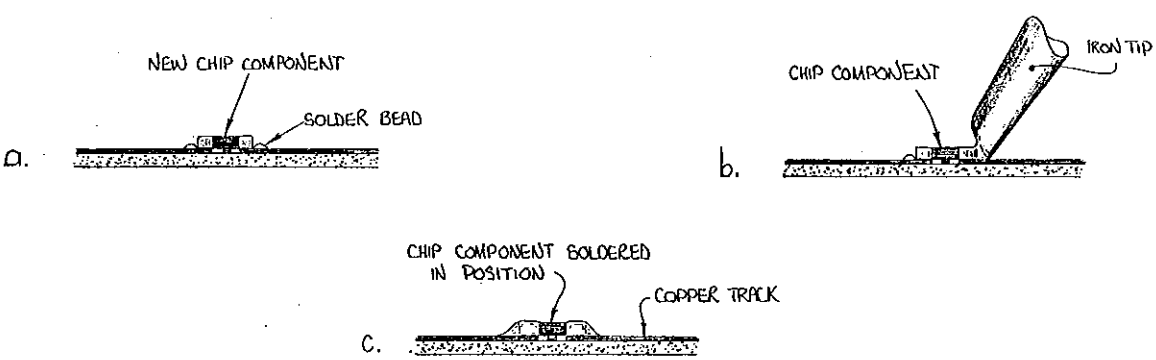


Figure 4

5.3.4 COMPONENT REMOVAL FROM PTH PCB's

The two satisfactory methods of removing components from PTH PCB's are detailed below.

Note: The first method requires the use of a desoldering station, e.g. Philips SBC 314 or Pace MBT-100E.

5.3.4.1 Desoldering Iron Method

Place the tip over the lead and, as the solder starts to melt, move the tip in a circular motion.

Start the suction and continue the movement until 3 or 4 circles have been completed.

Remove the tip while continuing suction to ensure that all solder is removed from the joint, then stop the suction.

Before pulling the lead out, ensure it is not stuck to the plating.

If the lead is still not free, resolder the joint and try again.

Note: The desoldering iron does not usually have enough heat to desolder leads from the ground plane. Additional heat may be applied by holding a soldering iron on the tip of the desoldering iron (this may require some additional help).

5.3.4.2 Component Cutting Method

Cut the leads on the component side of the PCB.

Heat the solder joint sufficiently to allow easy removal of the lead by drawing it out from the component side: do not use undue force.

Fill the hole with solder and then clear with solderwick.

5.3.5 CRYSTAL FILTER REPLACEMENT

Should it become necessary to replace the crystal filter, both cans should be replaced together as the new parts are supplied as matched pairs. Each can is marked with a dot and the correct polarity should be maintained when the replacement crystal filter pair is fitted.

5.3.6 PA - SPECIAL INSTRUCTIONS

CAUTION: As the location of certain components in the PA is critical to performance, it is important that any components removed or disturbed be refitted in exactly the same location.

5.3.6.1 To Replace The PA Transistors

Unsolder the tabs by heating them with a soldering iron, then lifting them up towards the transistor with a thin stainless steel spike or screwdriver. Unscrew the transistor mounting screws or stud nuts and remove the transistor.

Trim the tabs of the replacement to make them similar to the faulty item, then lightly tin the underside of the tabs.

Smear the underside of the transistor with heatsink compound.

Screw the transistor tightly to the heatsink then solder the tabs.

CAUTION: Do not solder the tabs before tightening the screws or nut, as this will fracture the device.

5.3.6.2 To Remove Cased Mica Capacitors

Apply a heavy duty soldering iron to the top of the capacitor case.

When the solder is molton, ease the capacitor away from the PCB with a thin stainless steel spike or screwdriver.

5.4 SETTING UP

5.4.1 TEST EQUIPMENT REQUIRED

1. Multimeter (eg. AVO Model 8)
2. DC electronic voltmeter (eg. Tech TE65)
3. RF power meter 50 ohm, 30 watts FSD usable to 520MHz with 5 and 30 watt elements (eg. Bird Model 6154 or 611).
4. Power Supply - output adjustable between 9 and 16 volts DC with a capacity of at least 8 amps.
5. Modulation meter (eg. Sayrosa 252)
6. Sinad meter (eg. Helper Instruments sinadder)
7. UHF signal generator. Good quality FM 50 ohm. Useable from 0.1µV (-127dBm) to 200mV (0dBm) pd. (eg. HP 8640B).
8. UHF frequency counter accurate to within 2ppm.
9. 10.7MHz Crystal marker (second harmonic gives beat for 21.4MHz IF)
10. Audio oscillator, 10Hz to 10kHz (eg. HP 204C/D)
11. Tone Box: Audio amplifier, with about 1.5 watts output, to drive a small speaker which can be coupled to the T555 microphone. An adaptor should be made whch will hold the speaker and microphone close together.
12. AC millivoltmeter
13. Calibrated oscilloscope
14. Speaker 4 ohm voice coil
15. RF power attenuator 50 ohm, total attenuation 50dB
    (eg. Weinschel 40-40-33 30dB 150W, plus Coline 1200 85 20dB 1W)
16. RF diode probe (eg. Coline M12DM modular RF detector probe)

5.4.2 TUNING HINTS

1. Diagrams 1 and 2 show the test set-up for receiver and transmitter alignment. Diagram 3 shows tuning points.
2. For accurate tuning, the test cable connecting the signal generator or power meter to the T555 should be as short as practical and fitted with a 'mating' UHF or BNC connector. Do not use adaptors, 'sniffer' couplings, etc, which introduce changes to cable impedance and errors in test results.
3. Non-metallic tuning tools must be used for the alignment of all coil slugs to avoid the tuning errors introduced by the use of metallic tools. Tuning tools need to be of correct size to avoid the damage to slugs which results from the use of incorrect tuning tools.

4. When using the RF diode probe, the earth return should be kept as short as possible and connected as close as possible to the point at which the measurement is being taken. This is to minimise stray pick-up which may affect the reading.

5. The front panel 'on/off' switch removes power from the regulated supplies only. The RF power amplifier, the audio output IC and the DC hash filter are not controlled by this switch.

6. Check for obvious mechanical faults in the printed circuit board, controls, microphone etc.

7. See Section 1.3 for the frequency range of each version.

5.4.3 CHANNEL PROGRAMMING

Note 1: VCO operation is restricted to a 6MHz switching range within the band covering 380 to 520MHz. Do not programme frequencies outside these limits.

Switching range is defined as the maximum change in frequency to obtain a loop voltage between 1.75 and 6.5 volts.

Note 2: For single channel applications, channel 2 should be programmed to the same frequencies as channel 1.

Tables 1 and 2 show how, when starting with A0, each successive diode influences the synthesiser frequency by a multiple of 12.5kHz in an ascending binary sequence. Note that it is sometimes possible to have two correct solutions for one particular frequency.

5.4.3.1 Combined Diode Matrix/LED PCB

Refer to Table 1 and Diagram 7.

The programming of each of the two transmit and receive channels is accomplished by soldering between the required pads, shown as LK1 to LK64 in Diagram 7. A connected pad pulls IC8 input low and deletes the frequency increment. An unconnected pad allows IC8 input to go high and adds the frequency increment.

Note: It is not necessary to remove the combined diode matrix/LED PCB from the radio for programming.

When a pad is solder bridged, its corresponding N or A value is subtracted from the maximum frequency count.

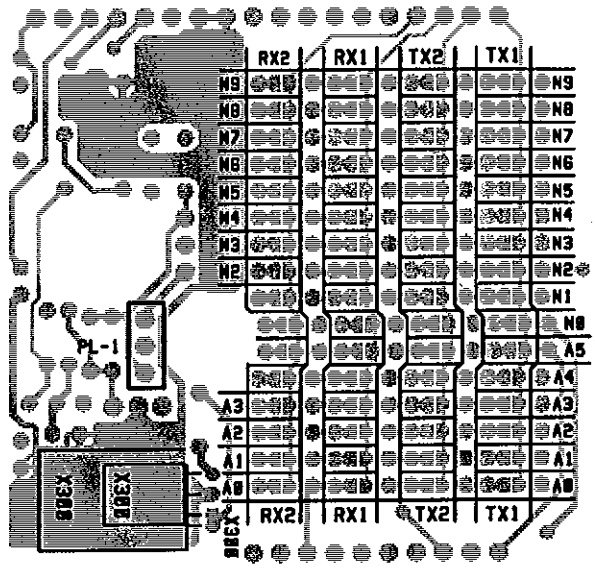
When a pad is left open, the corresponding value is incremented from zero.

The following examples show a simple method of calculating the correct diode programme.

In each case subtract the largest value from Table 1 which yields a positive result. Continue the process until zero is reached.

Table 1

Frequency Increment (MHz)	Code
409.6	N9
204.8	N8
102.4	N7
51.2	N6
25.6	N5
12.8	N4
6.4	N3
3.2	N2
1.6	N1
0.8	N0
0.4	A5
0.2	A4
0.1	A3
0.05	A2
0.025	A1
0.0125	A0



Example 1

Tx frequency = 458.5MHz

VCO frequency:	458.5	
subtract	409.6	pad N9 unconnected
	48.9	
subtract	25.6	pad N5 unconnected
	23.3	
subtract	12.8	pad N4 unconnected
	10.5	
subtract	6.4	pad N3 unconnected
	4.1	
subtract	3.2	pad N2 unconnected
	0.9	
subtract	0.8	pad N0 unconnected
	0.1	
subtract	0.1	pad A3 unconnected
	0.0	

To check: The sum of the extracted values should equal the required VCO frequency.

N9 + N5 + N4 + N3 + N2 + N0 + A3 = VCO

409.6 + 25.6 + 12.8 + 6.4 + 3.2 + 0.8 + 0.1 = 458.5

Note: All these A and N values have pads left open. The remainder, i.e. N8, N7, N1, A5, A4, A2, A1 & A0, are all solder shorted.

Example 2

Rx frequency = 425.9375MHz. The T555 receiver has a 21.4MHz IF and low side injection.

$f_{VCO} = f_{Rx} - 21.4 = 404.5375$

VCO frequency:	404.5375	
subtract	204.8	pad N8 unconnected
	199.7375	
subtract	102.4	pad N7 unconnected
	97.3375	
subtract	51.2	pad N6 unconnected
	46.1375	
subtract	25.6	pad N5 unconnected
	20.5375	
subtract	12.8	pad N4 unconnected
	7.7375	
subtract	6.4	pad N3 unconnected
	1.3375	
subtract	0.8	pad N0 unconnected
	0.5375	
subtract	0.4	pad A5 unconnected
	0.1375	
subtract	0.1	pad A3 unconnected
	0.0375	
subtract	0.025	pad A1 unconnected
	0.0125	
subtract	0.0125	pad A0 unconnected
	0.0	

In each case subtract the largest value from Table 1 which yields a positive result. Continue the process until zero is reached.

Check:

N8 + N7 + N6 + N5 + N4 + N3 + N0 + A5 + A3 + A1 + A0 = VCO

204.8 + 102.4 + 51.2 + 25.6 + 12.8 + 6.4 + 0.8 + 0.4 + 0.1 + 0.025 + 0.0125 = 404.5375

404.5375 + 21.4 = 425.9375

Note: All the above A and N values have pads left open. The remainder, i.e. N9, N2, N1, A4 & A2, are solder shorted.

5.4.3.2 T500-22 Diode Matrix PCB

Refer to Figure 5 and Table 2.

The programming of each of the two transmit and receive channels is accomplished by soldering between the required pads on each row of surface mount diodes (see Figure 5).

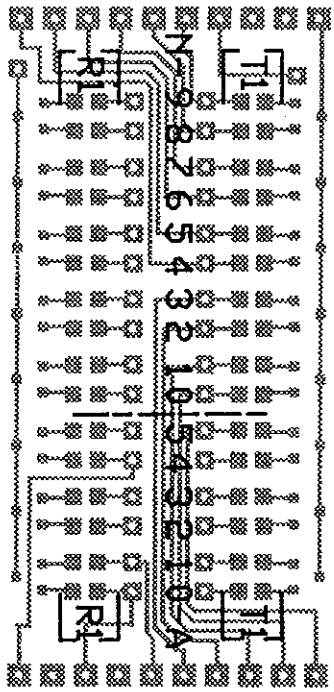
A connected pad pulls IC8 input low and deletes the frequency increment.

An unconnected pad allows IC8 input to go high and adds the frequency increment.

Figure 5

Table 2

Frequency Increment (MHz)	Code
409.6	N9
204.8	N8
102.4	N7
51.2	N6
25.6	N5
12.8	N4
6.4	N3
3.2	N2
1.6	N1
0.8	N0
0.4	A5
0.2	A4
0.1	A3
0.05	A2
0.025	A1
0.0125	A0



When a pad is solder bridged, its corresponding N or A value is subtracted from the maximum frequency count.

When a pad is left open, the corresponding value is incremented from zero.

Examples 1 and 2 in Section 5.4.3.1 show a simple method of calculating the correct diode programme.

Once the correct diode programme has been calculated, remove the diode matrix board from the T555 and solder the pads as required.

Figure 5 shows where to solder the diode programming pads and Table 2 shows the diode matrix board with one channel. The other channel is identical and is on the other side of the board.

When programming is complete, replace the diode matrix board in the T555.

5.5 VCO ALIGNMENT

5.5.1 GENERAL

Connect the T555 to a dummy RF load.

Remove the RF shield cover to gain access to TP3.

Plug a UHF frequency counter onto the test plug (TP3):

Connect:	centre pin	to	ground
	left pin	to	Rx VCO
	right pin	to	Tx VCO

Ensure that a correctly programmed diode matrix PCB is fitted.

Connect 13.8 volts of the correct polarity.

Monitor the loop voltage (centre pin of TP2) with a high impedance voltmeter (0-10 volt range).

Position CV110 for minimum capacitance as shown on the PCB encoding.

5.5.2 SINGLE CHANNEL OPERATION

Receive mode:

Adjust CV190 for 4 volts at TP2.

Check frequency.

Transmit mode (PTT switch closed):

Adjust CV232 for 4 volts at TP2.

Check frequency.

5.5.3 DUAL CHANNEL OPERATION

Receive mode:

Adjust CV190 so that when switching between channel 1 and channel 2, the loop voltages are symmetrically placed around 4 volts, but within the limits of 1.75 and 6.5 volts.

Check both frequencies.

Transmit mode: (PTT switch closed):

Adjust CV232 so that when switching between channel 1 and channel 2 the loop voltages are symmetrically placed around 4 volts, but within the limits of 1.75 and 6.5 volts.

Check both frequencies.

Note: A loop voltage of less than 0.6V or more than 7.5V indicates the synthesizer is out of lock.

5.6 REFERENCE FREQUENCY ADJUSTMENT

The 12.5kHz reference frequency must be accurately set. This is measured indirectly by monitoring the VCO frequency.

Connect a frequency counter to required VCO output (TP3).

Select channel 1 and adjust L30 for the correct VCO frequency (±100Hz).

Repeat this measurement for receive and transmit on both channels to verify the diode programming.

Replace the RF shield cover and solder the four locating tabs.

5.7 TRANSMITTER ADJUSTMENTS

5.7.1 ALIGNMENT

Note: In this and following Sections, measurements are given which differ for wide band and narrow band sets. In these cases the figures for wide band sets are given first followed by figures for the narrow band versions in square brackets [ ].

Connect a power meter to the aerial socket.

Set RV253 (power control) fully clockwise (viewed from component side).

Close the PTT switch.

Adjust CV269 for maximum power.

Adjust CV284 for maximum power.

Note: For two channel operation tune CV269 and CV284 for optimum performance on both channels.

Adjust RV253 to reduce the output power to 25 watts.

Adjust CV284 to reduce the transmitter current for best efficiency.

Readjust RV253 for 25 watts if necessary.

Check that the transmit current does not exceed 6.0 amps for 25 watts output, with 13.8 volts at the set.

5.7.2 MODULATION ADJUSTMENT

Connect the T555 antenna output through a 50dB RF power attenuator (see Section 5.4.1, item 15) to a modulation meter.

Short circuit C49 to disable the ALC circuitry.

Connect the microphone to the tone box (see Section 5.4.1, item 11) or connect the audio oscillator to the microphone pads on the PCB.

Apply a 1kHz sine wave to give -30dBm (25mV rms) at the microphone pads.

Set the channel switch to the lowest frequency channel.

Set the modulation meter to read '-' deviation.

Close the PTT switch and adjust RV79 for approximately -5kHz [-2.5kHz] deviation.

Reduce the audio input to obtain -3kHz [-1.5kHz] deviation, and then increase it by 20dB.

Sweep the audio frequency 300Hz to 3kHz and find the frequency of maximum '-' deviation.

Set RV79 to give -5kHz [-2.5kHz] deviation at this frequency.

Set the modulation meter to read '+' deviation.

Sweep the audio signal 300Hz to 3kHz and readjust RV79 if a peak exceeding +5kHz [+2.5kHz] is found.

Set the channel switch for the other channel and check that ±5kHz [±2.5kHz] deviation is not exceeded for any modulation frequency.

Remove the short from C49.

5.8 RECEIVER ADJUSTMENTS

5.8.1 RF ALIGNMENT

Connect a signal generator modulated to ±5kHz [±2.5kHz] at 1kHz AF.

Set the signal generator to the required receive frequency.

Connect a sinad meter across the speaker terminals.

Increase the signal generator output until 12dB sinad is reached.

Tune CV110, CV106, CV105, CV104 and CV100 for best sinad while reducing the signal generator output level to maintain approximately 12dB sinad.

Repeat the above tuning.

Reduce the signal generator deviation to ±3kHz [±1.5kHz].

Check that the signal generator output does not exceed -117dBm [-116dBm] for 12dB sinad.

For dual channel operation, readjust CV110, CV106, CV105, CV104 and CV100 for equal sensitivity on both channels.

Note: Sensitivity will degrade towards -115dBm [-114dBm] (worst case) as the channel separation extends to 6MHz.

5.8.2 IF ALIGNMENT

Note: The Intermediate Frequency Section has been accurately aligned during manufacture and should not be adjusted unless repairs have been carried out, or there is clear evidence of malfunction.

To obtain the best performance from the IF, the receiver pass band must be swept. Alignment of L21 and L23 for best 12dB sinad sensitivity may result in high audio distortion or poor mute performance.

The following IF sweep procedure assumes the front end alignment has been completed (see Section 5.8.1).

Set up the test equipment as in Diagram 2.

Set the signal generator to give an unmodulated 'on channel' signal.

Connect the audio oscillator to externally modulate the signal generator with a sine or triangular waveform to approximately ±15kHz deviation at a rate of about 10Hz.

Connect the audio oscillator output to the oscilloscope (DC coupled).

Connect the second oscilloscope input (AC coupled) via a 10:1 scope probe to pin 5 IC7 of the T555 (R124).

Set the oscilloscope to 'X-Y' display and adjust the signal generator output level so that the IF is not limiting (this should be less than -100dBm).

Adjust L21 and L23 for minimum ripple and slope. Maximise the width and amplitude.

At an RF input level of -115dBm, the amplitude at the centre of the sweep should be approximately:

wide band	-	5-10mV rms
narrow band	-	10-15mV rms

5.9 FAULT FINDING

5.9.1 GENERAL

During servicing it may be necessary to measure specific performance parameters as a means of verifying the presence of a fault condition.

The following performance tests provide a means for checking the various two way radio parameters. When used in conjunction with the voltage level test points which are given on the Circuit Diagrams a fault can be readily pin-pointed.

To assist circuit tracing, all plugs and connections are shown on the outer edge of the Wiring Diagram, where the 'Function' is shown.

5.9.2 RECEIVER PERFORMANCE TESTS

Carry out the following checks only after the alignment has been completed.

5.9.2.1 Squelch

(a) TO CHECK THE SQUELCH OPERATION

Connect a sinad meter across the speaker terminals.

Connect a UHF signal generator to the aerial input terminal.

Set the signal generator output level to zero and the modulation to ±3kHz [±1.5kHz] deviation at 1kHz.

Adjust the front panel squelch control until the noise just disappears.

Slowly increase the signal generator output level until the squelch gate 'opens'; this should be less than 8dB sinad.

(b) TO CHECK THE SQUELCH RATIO

Set the signal generator output level to -47dBm (20mV), modulated to ±5kHz [±2.5kHz] deviation at 1kHz.

Replace the sinad meter with a mV/meter across the speaker terminals. Turn the squelch control fully anticlockwise.

Adjust the volume control to give a reading of 3 volts on the mV/meter.

Reduce the signal generator output level to -127dBm.

The fall in output is the 'squelch ratio' and this should be at least 70dB.

5.9.2.2 To Check The Audio Output Level

Connect an AC mV/meter and an oscilloscope across the speaker terminals.

Connect a UHF signal generator to the aerial input socket, with the output set to -107dBm (1µV) modulated to ±5kHz [±2.5kHz] deviation at 1kHz.

Set the volume control to the onset of clipping.

The receiver output should be 4 volts across 8 ohms at +13.8V supply.

Check the distortion with the aid of a distortion analyzer connected across the speaker terminals.

The distortion should not exceed 5%.

5.9.2.3 To Check The VCO Injection To The Mixer

Desolder the four locating tabs and remove the RF shield cover.

Connect a DC EVM to the junction of R109/C111 via a 33k ohm isolating resistor at the probe tip.

Short the junction of C198/L27 to ground.

Check that the EVM reads approximately 1.5V DC.

Remove the short and note the increase in EVM reading.

The EVM reading should increase by more than 0.1 volt. Insufficient injection will result in poor receiver sensitivity.

Replace the RF shield cover and resolder the four locating tabs.

5.9.2.4 To Check The Sinad Sensitivity

Connect a sinad meter across the speaker terminals.

Connect the signal generator to the aerial input terminal.

Set the signal generator accurately on the receive frequency. (Couple a 21.4MHz reference oscillator loosely into the receiver IF stage, tune the signal generator for a zero beat, then uncouple the reference oscillator).

Set the signal generator deviation to ±3kHz [±1.5kHz] at 1kHz.

Note: It is important that the modulating frequency matches the notch of the sinad meter.

Set the signal generator output level to -127dBm.

Increase the signal generator output level until a sinad of 12dB is reached.

The signal generator output should not be greater than -117dBm [-116dBm] and is typically -119dBm [-118dBm], for single channel use or two channels separated by less than 2MHz. As the channel separation extends towards 6MHz, the sinad sensitivity will degrade towards -115dBm [-114dBm].

5.9.2.5 To Check the Signal+Noise To Noise Ratio

Set up the signal generator and mV/meter as in Section 5.9.2.1 (b).

Set the squelch control fully clockwise.

Set the volume control for a reading of 0.8V ('0'dB) on a convenient scale on the mV/meter.
Switch the signal generator modulation off.

Note the reading on the mV/meter.

The fall in reading when the modulation is switched off should be at least 30dB [25dB] for single channel use or two channels separated by less than 3MHz. As the channel separation extends towards 6MHz, the signal + noise to noise ratio will degrade towards 27dB [22dB].

5.9.2.6 To Check The Ultimate Signal To Noise Ratio

Note: A good quality low noise RF signal generator should be used for this check (eg. HP8640B or 8656).

Set the signal generator to give an 'on channel' signal, modulated to ±5kHz [±2.5kHz] with a 1kHz tone.

Set the signal generator output level to -47dBm.

Connect an AC mV/meter across the speaker terminals.

Adjust the volume control for a reading of 0.8V ('0'dBm) on a convenient scale.

Turn the signal generator modulation off.

Note the reading on the mV/meter.

The fall in reading when the modulation is switched off should be at least 45dB (a low reading could be caused by a faulty IC7 or a noisy VCO).

5.9.3 TRANSMITTER PERFORMANCE TESTS

5.9.3.1 Audio Processor

(a) TO CHECK THE LIMITER CIRCUIT

Connect an oscilloscope to monitor the waveform at pin 14 of IC2.

Provide an audio signal to the audio processor as in Section 5.7.2.

Set the frequency of the audio signal generator to 1kHz.

Slowly increase the signal generator output level until the waveform begins to distort (squaring), indicating that limiting has commenced.

Any further increase in signal generator output level should not increase the amplitude of the waveform.

(b) TO CHECK THE AUDIO ALC OPERATION

Set up the audio signal as described above (Section 5.7.2).

Set the oscilloscope to monitor the waveform at pin 1 of IC2.

Connect an EVM to the junction of C49/R52.

Increase the output level of the signal generator to 10dB above the limiting level [Section 5.9.3.1 (a)]. Note the amplitude on the oscilloscope, then increase the signal generator output level by another 10dB.

Check that the amplitude of the waveform does not increase or distort significantly.

The EVM should show a 'positive DC' reading.

(c) TO CHECK THE GAIN OF THE AUDIO PROCESSOR

Provide an audio signal to the audio processor as in Section 5.7.2.

Connect the T555 antenna output through a 50dB RF power attenuator (see Section 5.4.1, item 15) to a modulation meter.

Connect a mV/meter across the microphone terminals on the PCB (to monitor the input to the audio processor).

Set the frequency of the audio signal generator to 1kHz.

Check the deviation control (RV79) as in Section 5.7.2.

Slowly increase the output level of the audio signal generator until a deviation of $\pm$3kHz [$\pm$1.5kHz] is reached.

Check that the mV/meter reads approximately 6mV rms.

Note: The audio processor gain must be checked at a level below that at which the audio ALC or limiting are influencing the measurements.

5.9.3.2 Modulation Characteristics

(a) TO CHECK THE ABOVE LIMITING RESPONSE

Connect the T555 aerial output via a 50dB RF power attenuator to a modulation meter.

Provide an audio signal to the audio processor.

Increase the audio signal generator output level to 20dB above the limiting level [Section 5.9.3.1 (a)].

Vary the frequency of the signal generator between 0.3 and 10kHz.

Note the deviation on the modulation meter.

Between 450Hz and 3kHz the deviation should be within 4dB of maximum.

Above 3kHz the deviation should decrease in excess of 25dB/octave.

(b) TO CHECK THE BELOW LIMITING RESPONSE

Decrease the audio signal generator output level to 10dB below the limiting level [Section 5.9.3.1 (a)].

Vary the frequency of the audio signal generator between 0.3 and 10kHz.

Note the reading on the modulation meter.

From 450Hz to 3kHz the deviation should increase at the rate of 6dB/octave (+1 -3dB relative to 1kHz).

Above 3kHz the deviation should decrease in excess of 25dB/octave.

5.9.3.3 To Check The RF Power Control Circuit

Connect an RF power meter to the transmitter output.

Close the PTT switch.

Ensure that the transmitter is correctly tuned (Section 5.7).

Vary the supply voltage between 10 and 16 volts.

Above 13.8 volts the RF power output should not increase by more than 2 watts.

At 10.8 volts the RF power output should be more than 10 watts.

5.9.3.4 To Check The Transmission Timer

Connect an RF power meter to the transmitter output.

Close the PTT switch.

Check that the T555 reverts to 'receive' after approximately 1.5 minutes (+15, -45 seconds) of transmission time .

The transmission time may be set accurately by changing the value of either C16 (100µF) and/or R17 (1M).

To increase the transmission time increase the value of resistance or capacitance as required.

5.9.3.5 To Check The VCO Control Range

Plug a frequency counter onto the VCO test plug (TP3).

Short the middle pin on TP2 alternately to each of the outer pins of TP2.

The frequency shift should be more than 10MHz.

5.9.4 SYNTHESIZER FAULT FINDING

5.9.4.1 If The VCO Gives No Output

Ensure the frequency counter is connected to the correct pin of TP3.

Check the supply voltages at R191 (6.5V) and L38 (8V) for the Rx VCO, and at R230 (6.5V) and L53 (8V) for the Tx VCO.

Remove the VCO box and check for shorts inside.

Check the gate and source voltages as per the Circuit Diagram.

5.9.4.2 If The Synthesizer Does Not Lock Up

Check the VCO control range following the instructions in Section 5.9.3.5.

If the control range is less than 10MHz, check the circuit for faults between TP2 and the varicaps. The voltage on the varicaps must be the same as the loop voltage.

Tune the Rx VCO until its programmed frequency is within the switching range.

If the loop voltage is still either less than 0.6V or more than 7.5V, check pin 7 and pin 8 of the synthesizer (IC 8):

(Under normal operating conditions the loop voltage is between 1.75 and 6.5V and both pin 7 and pin 8 are high, except for very narrow pulses [100ns] at the same rate as the reference frequency.)

(a) If pin 7 pulses low and the loop voltage is low (TP2), or if pin 8 pulses low and the loop voltage is high, check the circuitry between R176/D32 and TP2. The voltage at C176 (use a 10M ohm probe) and TP2 should differ by no more than 200mV. If not, check the behaviour of the buffer amplifier (Q29, Q30).

(b) If both stay high and the loop voltage is high, check the crystal oscillator.

Measure the VCO frequency.

Measure the prescaler output frequency (pin 3).

Check that $f_{prescaler} = f_{VCO}/64$

Note: The prescaler should not be loaded with 50 ohms - a 1M ohm input counter must be used.

Check that the input voltage of the synthesizer (pin 1) is more than 500mV pp.

5.9.4.3 To Check The VCO Output Frequency Stability

If the synthesizer locks up but does not reach a stable VCO output frequency, or if the VCO output frequency is a few channels off frequency, check:

(a) that the input power to the prescaler from the VCO is not too low;

(Check the VCO output power and the circuitry between the VCO and the prescaler.)

(b) that the modulus control pulse (pin 1 of the prescaler) is more than 4.0V.

5.9.4.4 To Check The Transmitter Switch-On

If the synthesizer locks up but there is no transmitter power, check:

(a) that, if the synthesizer is locked, the lock detect output (IC8, pin 2) is high;

(This output pulses low if the synthesizer is out of lock.)

(b) that the voltages are as shown in the Circuit Diagram (Q25, Q42).

5.9.4.5 Microphonics

If the set shows a high level of microphonics:

(a) Check that all components inside the VCO box are flush mounted to the PCB, paying special attention to the trimmer capacitors and the inductors at the bottom side. (Resoldering may be attempted, but a solvent cleaner must never be used inside the VCO box.)

(b) Remove any excess solder where the VCO box touches the PCB.

(c) Ensure that all screws are securely tightened.

SECTION 6 PARTS LIST

INTRODUCTION

The 10 digit numbers (000-00000-00) in this Parts List are "internal part numbers" (IPN's). Your spare parts orders can be handled more efficiently if you quote: equipment type, circuit reference and IPN, along with 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, D6, R121, etc) and those without (miscellaneous and mechanical).

Those with a circuit reference are grouped firstly by PCB, then by component type in numerical order. Each component entry comprises four columns: the circuit reference, variant number (if applicable), IPN and description. A number in the variant column indicates that this particular component is fitted only to that variant (note that some components are not fitted to all variants; refer to the tables in the Circuit Diagrams).

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

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T555 MAIN BOARD PARTS LIST

REF	VAR	IPN	DESCRIPTION
C1		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
CD1		276-00010-12	DISCRIMINATOR CERAMIC 455KHZ CDB455C7
&CF1	10	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	15	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	20	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	21	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	22	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	23	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	24	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	25	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	26	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	27	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	28	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	29	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	30	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	32	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	33	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	35	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	60	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	70	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	71	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
&CF1	73	276-00010-13	FILTER CERAMIC 455KHZ 9KHZ B/W CFW455G
&CF1	90	276-00010-14	FILTER CERAMIC 455KHZ 15KHZ B/W CFW455E
C2		020-19100-02	CAPACITOR ELECTRO RADIAL 1000M 16V 12X20MM
C4		020-57100-02	CAPACITOR ELECTRO AUTOINSERT RDL 1M 50V 5X11MM
C5		020-58470-02	CAPACITOR ELECTRO AUTOINSERT RDL 47M 16V 6X11MM
C6		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C7		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C8		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C9		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C10		020-19100-02	CAPACITOR ELECTRO RADIAL 1000M 16V 12X20MM
C11		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C15		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C15A		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C16		020-59100-06	CAPACITOR ELECTRO AUTOINSERT RDL 100M 16V 6.3X11MM
C17		020-57100-02	CAPACITOR ELECTRO AUTOINSERT RDL 1M 50V 5X11MM
C40		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C40A		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C41		020-57100-02	CAPACITOR ELECTRO AUTOINSERT RDL 1M 50V 5X11MM
C42		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C42A		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C43		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
C44		020-58470-02	CAPACITOR ELECTRO AUTOINSERT RDL 47M 16V 6X11MM
C45		011-53100-01	CAPACITOR CERAMIC AUTOINSERT 100P 5% N150 50/63V
C45A		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
C46		011-53100-01	CAPACITOR CERAMIC AUTOINSERT 100P 5% N150 50/63V
C46A		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
C47		022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
C48		011-52470-01	CAPACITOR CERAMIC AUTOINSERT 47P 5% N150 50/63V
C49		020-58470-02	CAPACITOR ELECTRO AUTOINSERT RDL 47M 16V 6X11MM
C50		022-54220-10	CAPACITOR MYLAR AUTOINSERT 2N2 10% 63V POTTED
C51		022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	10	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	15	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	20	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	21	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	22	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	23	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	24	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	25	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	26	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	27	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	28	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	29	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	30	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	32	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	33	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	35	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	60	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	70	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	71	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
&C52	73	022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
&C52	90	022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
C53		022-55150-10	CAPACITOR MYLAR AUTOINSERT 15N 10% 63V POTTED
C54		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
C55		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
C56		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C57		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C58		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C61		022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
C62		022-55680-10	CAPACITOR MYLAR AUTOINSERT 68N 10% 63V POTTED
C63		011-52330-01	CAPACITOR CERAMIC AUTOINSERT 33P 5% N150 50/63V
C64		022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
C65		022-54470-10	CAPACITOR MYLAR AUTOINSERT 4N7 10% 63V POTTED
&C66	22	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
&C66	23	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
&C66	26	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
&C66	27	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
&C66	30	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
&C66	32	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
&C66	33	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
&C66	35	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
&C66	73	011-51820-01	CAPACITOR CERAMIC AUTOINSERT 8P2 5% NPO 50/63V
C67		011-52560-01	CAPACITOR CERAMIC AUTOINSERT 56P 5% N150 50/63
C68		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED

REF	VAR	IPN	DESCRIPTION
C85		020-58100-03	CAPACITOR ELECTRO AUTOINSERT RDL 10M 50V 5X11MM
C86		020-57100-02	CAPACITOR ELECTRO AUTOINSERT RDL 1M 50V 5X11MM
C87		020-57100-02	CAPACITOR ELECTRO AUTOINSERT RDL 1M 50V 5X11MM
C88		022-54220-10	CAPACITOR MYLAR AUTOINSERT 2N2 10% 63V POTTED
C90		020-58470-02	CAPACITOR ELECTRO AUTOINSERT RDL 47M 16V 6X11MM
C91		022-56100-10	CAPACITOR MYLAR AUTOINSERT 100N 10% 63V POTTED
C92		020-09220-06	CAPACITOR ELECTRO RADIAL 220M 16V 8X11.2MM
C93		011-53470-02	CAPACITOR CERAMIC AUTOINSERT 470P 10% T/C B 63V
CV100		028-01600-01	CAPACITOR TRIMMER 1-5P TOP ADJ
@CC101	10	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	15	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC101	20	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	21	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	22	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	23	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	24	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	25	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC101	26	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC101	27	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC101	28	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC101	29	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC101	30	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	32	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	33	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	35	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC101	60	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	70	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	71	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
@CC101	73	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC101	90	015-22330-01	CAPACITOR CERAMIC 0805 CHIP 33P 5% NPO 50V
C102		022-56100-10	CAPACITOR MYLAR AUTOINSERT 100N 10% 63V POTTED
C103		011-52100-01	CAPACITOR CERAMIC AUTOINSERT 10P 5% NPO 50/63V
CV104		028-01600-01	CAPACITOR TRIMMER 1-5P TOP ADJ
CV105		028-01600-01	CAPACITOR TRIMMER 1-5P TOP ADJ
CV106		028-01600-01	CAPACITOR TRIMMER 1-5P TOP ADJ
C107		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C108		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C109		011-52680-01	CAPACITOR CERAMIC AUTOINSERT 68P 5% N150 50/63V
CV110		028-02100-06	CAPACITOR TRIMMER 3/10P NPO TOP ADJ BLUE MUR TZ
CC111		015-24470-08	CAPACITOR CERAMIC 0805 CHIP 4N7 10% X7R 50V
&C112	10	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	15	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	20	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	21	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	22	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	23	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	24	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	25	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	26	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	27	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	28	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	29	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	30	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	32	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	33	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	35	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	60	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	70	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	71	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
&C112	73	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C112	90	011-53180-01	CAPACITOR CERAMIC AUTOINSERT 180P 10% N470 63V
C113		011-53100-01	CAPACITOR CERAMIC AUTOINSERT 100P 5% N150 50/63V
C114		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C115		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&CC116	10	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	15	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	20	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	21	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	22	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	23	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	24	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	25	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	26	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	27	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	28	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	29	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	30	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	32	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	33	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	35	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	60	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	70	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	71	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
&CC116	73	015-22560-01	CAPACITOR CERAMIC 0805 CHIP 56P 5% NPO 50V
&CC116	90	015-23120-01	CAPACITOR CERAMIC 0805 CHIP 120P 5% NPO 50V
C117		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&CC118	10	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	15	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	20	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	21	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	24	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	25	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	28	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	29	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	60	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V

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REF	VAR	IPN	DESCRIPTION
&CC118	70	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	71	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC118	90	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	22	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	23	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	26	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	27	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	30	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	32	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	33	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	35	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&CC119	73	015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&C125	10	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	15	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	20	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	21	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	22	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	23	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	24	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	25	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	26	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	27	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	28	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	29	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	30	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	32	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	33	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	35	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	60	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	70	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	71	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C125	73	011-51270-01	CAPACITOR CERAMIC AUTOINSERT 2P7 5% NPO 50/63V
&C125	90	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	10	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	15	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	20	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	21	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	22	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	23	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	24	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	25	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	26	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	27	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	28	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	29	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	30	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	32	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	33	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	35	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	60	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	70	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	71	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
&C126	73	011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
&C126	90	011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1P0 5% P100 50/63V
C127		020-58470-02	CAPACITOR ELECTRO AUTOINSERT RDL 47M 16V 6X11MM
C128		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C129		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C130		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C131		011-52390-01	CAPACITOR CERAMIC AUTOINSERT 39P 5% N150 50/63V
C132		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C133		011-53100-01	CAPACITOR CERAMIC AUTOINSERT 100P 5% N150 50/63V
C134		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
C135		011-53150-01	CAPACITOR CERAMIC AUTOINSERT 150P 5% N150 50/63V
C136		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
&C140	10	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	15	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	20	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	21	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	22	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	23	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	24	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	25	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	26	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	27	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	28	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	29	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	30	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	32	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	33	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	35	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	60	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	70	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	71	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C140	73	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C140	90	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	10	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	15	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	20	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	21	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	22	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	23	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	24	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	25	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	26	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	27	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	28	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	29	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	30	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	32	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	33	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	35	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	60	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	70	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	71	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C141	73	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C141	90	022-54330-10	CAPACITOR MYLAR AUTOINSERT 3N3 10% 63V POTTED
&C142	10	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	15	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	20	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	21	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	22	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	23	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	24	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	25	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	26	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	27	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	28	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	29	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	30	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	32	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	33	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	35	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	60	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	70	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	71	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
&C142	73	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C142	90	011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C143		020-57330-01	CAPACITOR ELECTRO AUTOINSERT RDL 3M3 50V 5X11MM
C170		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
C171		020-58470-05	CAPACITOR ELECTRO AUTOINSERT RDL 47M 16V 6.3X7MM
C172		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
$C173	10	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	15	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	20	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	21	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	24	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	25	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	28	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	29	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	32	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	33	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	60	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	70	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	71	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	73	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C173	90	011-52220-06	CAPACITOR CERAMIC AUTOINSERT 22P 5% N750 50/63V
$C174	10	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	15	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	20	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	21	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	24	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	25	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	28	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	29	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	32	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	33	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	60	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	70	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	71	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	73	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
$C174	90	011-52150-06	CAPACITOR CERAMIC AUTOINSERT 15P 5% N750 50/63V
C175		011-53100-01	CAPACITOR CERAMIC AUTOINSERT 100P 5% N150 50/63V
C176		022-07100-02	CAPACITOR MYLAR 1M 20% 50V POTTED
C177		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED
C178		022-54470-10	CAPACITOR MYLAR AUTOINSERT 4N7 10% 63V POTTED
C179		020-58470-02	CAPACITOR ELECTRO AUTOINSERT RDL 47M 16V 6X11MM
C180		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C181		020-09100-07	CAPACITOR ELECTRO RADIAL 100M 10V 6.3X7MM 5MM LS
C182		020-58470-02	CAPACITOR ELECTRO AUTOINSERT RDL 47M 16V 6X11MM
C183		020-58100-03	CAPACITOR ELECTRO AUTOINSERT RDL 10M 50V 5X11MM
C184		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C185		022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
C186		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C186A		022-54100-10	CAPACITOR MYLAR AUTOINSERT 1N 10% 63V POTTED
CC188		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
CC189		015-21470-01	CAPACITOR CERAMIC 0805 CHIP 4P7 +/-0.25P NPO 50V
CV190		028-02100-08	CAPACITOR TRIMMER 2/10P CERAMIC 5MM TOP ADJUST
CC191		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
CC192		015-21680-01	CAPACITOR CERAMIC 0805 CHIP 6P8 +/-0.25P NPO 50V
CC193		015-21180-01	CAPACITOR CERAMIC 0805 CHIP 1P8 +/-0.25 NPO 50V
C194		011-52150-01	CAPACITOR CERAMIC AUTOINSERT 15P 5% NPO 50/63V
CC195		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
C197		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C198		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C199		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C200		011-51470-01	CAPACITOR CERAMIC AUTOINSERT 4P7 5% NPO 50/63V
C219		011-52150-01	CAPACITOR CERAMIC AUTOINSERT 15P 5% NPO 50/63V
C220		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C221		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C222		022-55470-10	CAPACITOR MYLAR AUTOINSERT 47N 10% 63V POTTED

T555 MAIN BOARD PARTS LIST

REF	VAR	IPN	DESCRIPTION
C223		020-58100-03	CAPACITOR ELECTRO AUTOINSERT RDL 10M 50V 5X11MM
C224		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C225		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C226		022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
C227		020-58100-04	CAPACITOR ELECTRO AUTOINSERT RDL 10M 16V 4X7MM
C228		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
CC230		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
CC231		015-21470-01	CAPACITOR CERAMIC 0805 CHIP 4P7 +/-0.25P NPO 50V
CV232		028-02100-08	CAPACITOR TRIMMER 2/10P CERAMIC 5MM TOP ADJUST
CC233		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
CC234		015-21680-01	CAPACITOR CERAMIC 0805 CHIP 6P8 +/-0.25P NPO 50V
CC235		015-21220-01	CAPACITOR CERAMIC 0805 CHIP 2P2 +/-0.25P NPO 50V
C237		011-52150-01	CAPACITOR CERAMIC AUTOINSERT 15P 5% NPO 50/63V
CC238		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
CC239		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
&C242	10	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	15	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C242	20	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	21	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	22	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	23	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	24	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	25	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C242	26	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C242	27	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C242	28	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C242	29	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C242	30	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	32	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	33	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	35	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C242	60	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	70	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	71	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
&C242	73	011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
&C242	90	011-05100-02	CAPACITOR CERAMIC 10N T/C FZ 63V
C243		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C244		011-51470-01	CAPACITOR CERAMIC AUTOINSERT 4P7 5% NPO 50/63V
CC245		015-25100-08	CAPACITOR CERAMIC 0805 CHIP 10N 10% X7R 50V
C246		022-56100-10	CAPACITOR MYLAR AUTOINSERT 100N 10% 63V POTTED
C247		011-51470-01	CAPACITOR CERAMIC AUTOINSERT 4P7 5% NPO 50/63V
CC250		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
C251		011-51560-01	CAPACITOR CERAMIC AUTOINSERT 5P6 5% NPO 50/63V
CC252		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
C253		011-51220-01	CAPACITOR CERAMIC AUTOINSERT 2P2 5% NPO 50/63V
CC254		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
C255		011-51470-01	CAPACITOR CERAMIC AUTOINSERT 4P7 5% NPO 50/63V
CC256		015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
C257		011-54100-01	CAPACITOR CERAMIC AUTOINSERT 1N 10% T/C B 63V
C258		011-52270-01	CAPACITOR CERAMIC AUTOINSERT 27P 5% N150 50/63V
C261		022-55100-10	CAPACITOR MYLAR AUTOINSERT 10N 10% 63V POTTED
CC262		015-22120-01	CAPACITOR CERAMIC 0805 CHIP 12P 5% NPO 50V
CC263		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
C264		022-56100-10	CAPACITOR MYLAR AUTOINSERT 100N 10% 63V POTTED
@CC265	10	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	15	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC265	20	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	21	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	22	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	23	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	24	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	25	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC265	26	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC265	27	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC265	28	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC265	29	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC265	30	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	32	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	33	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	35	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC265	60	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	70	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	71	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
@CC265	73	015-22220-01	CAPACITOR CERAMIC 0805 CHIP 22P 5% NPO 50V
@CC265	90	015-22270-01	CAPACITOR CERAMIC 0805 CHIP 27P 5% NPO 50V
CC266		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
C267		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C268		020-58100-03	CAPACITOR ELECTRO AUTOINSERT RDL 10M 50V 5X11MM
CV269		028-02200-01	CAPACITOR TRIMMER 4/20P N750 TOP ADJ RED MUR TZ
C270		015-03150-06	CAPACITOR CERAMIC 1210 CHIP 150P NPO 500V GRM42-2
C271		029-02390-02	CAPACITOR MICA 5MM CASE 39P 5%
C272		029-02390-02	CAPACITOR MICA 5MM CASE 39P 5%
C273		029-03100-02	CAPACITOR MICA 5MM CASE 100P 5%
C274		020-57100-02	CAPACITOR ELECTRO AUTOINSERT RDL 1M 50V 5X11MM
C275		015-03150-06	CAPACITOR CERAMIC 1210 CHIP 150P NPO 500V GRM42-2
C276		029-02330-02	CAPACITOR MICA 5MM CASE 33P 5%
C277		029-02330-02	CAPACITOR MICA 5MM CASE 33P 5%
CC278		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
C280		029-02220-02	CAPACITOR MICA 5MM CASE 22P 5%
C281		029-02220-02	CAPACITOR MICA 5MM CASE 22P 5%
C282		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C283		022-55220-10	CAPACITOR MYLAR AUTOINSERT 22N 10% 63V POTTED
CC283		015-03220-02	CAPACITOR CERAMIC HIQ 1210 CHIP 220P 5% NPO 100V
CV284		028-02100-07	CAPACITOR TRIMMER 2/10P FILM 6X8MM 2TAG PH 809
CC285		015-22360-01	CAPACITOR CERAMIC 0805 CHIP 36P 5% NPO 50V

REF	VAR	IPN	DESCRIPTION
CC286		015-03220-02	CAPACITOR CERAMIC HIQ 1210 CHIP 220P 5% NPO 100V
C287		011-54470-03	CAPACITOR CERAMIC AUTOINSERT 4N7 10% T/C B 50V
C288		011-00500-01	CAPACITOR CERAMIC OP5 +/-0.25P P100 50V 5MM L/S
@C289	10	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	20	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	21	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	22	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	23	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	24	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	30	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	32	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	33	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	60	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	70	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	71	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
@C289	90	015-01680-06	CAPACITOR CERAMIC 1210 CHIP 6P8 NPO 500V GRM42-2
C290		015-01470-06	CAPACITOR CERAMIC 1210 CHIP 4P7 NPO 500V GRM42-2
C291		015-02100-06	CAPACITOR CERAMC 1210 CHIP 10P 5% NPO 500V GRM42
C292		015-02110-06	CAPACITOR CERAMIC 1210 CHIP 11P NPO 500V GRM42-2
C293		015-02100-06	CAPACITOR CERAMC 1210 CHIP 10P 5% NPO 500V GRM42
#C294	10	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	15	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	20	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	21	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	22	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	23	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	24	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	25	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	26	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	27	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	28	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	29	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	30	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	32	015-01470-06	CAPACITOR CERAMIC 1210 CHIP 4P7 NPO 500V GRM42-2
#C294	33	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	35	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	60	015-01470-06	CAPACITOR CERAMIC 1210 CHIP 4P7 NPO 500V GRM42-2
#C294	70	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	71	015-01560-06	CAPACITOR CERAMIC 1210 CHIP 5P6 NPO 500V GRM42-2
#C294	73	015-01470-06	CAPACITOR CERAMIC 1210 CHIP 4P7 NPO 500V GRM42-2
#C294	90	015-01470-06	CAPACITOR CERAMIC 1210 CHIP 4P7 NPO 500V GRM42-2
CC295		015-24100-08	CAPACITOR CERAMIC 0805 CHIP 1N 10% X7R 50V
CC296		015-21680-01	CAPACITOR CERAMIC 0805 CHIP 6P8 +/-0.25P NPO 50V
C297		011-51100-01	CAPACITOR CERAMIC AUTOINSERT 1PO 5% P100 50/63V
D1		001-00011-60	DIODE SR2607 6A/30V
D2		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D3		001-50015-09	DIODE ZENER AUTOINSERT 3V9 0.4W BZX79/C3V9
D6		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D7		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D8		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D14		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D15		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D16		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D20		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D21		001-50015-14	DIODE ZENER AUTOINSERT 6V8 0.4W BZX79/C6V8
D24		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D25		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D30		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D31		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D32		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D33		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D35		001-00012-53	DIODE VARICAP BB405B
D42		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D43		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D44		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D45		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D46		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D47		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D48		001-50015-11	DIODE ZENER AUTOINSERT 5V1 0.4W BZX79/C5V1
D50		001-00012-53	DIODE VARICAP BB405B
D55		001-00012-50	DIODE PIN UM9401 UHF POWER SWITCH
D56		001-00012-66	DIODE PIN HP5082-3080 LOW POWER
D57		001-00013-45	DIODE SCHOTTKY 1S597/2 (S)
D58		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D59		001-50012-00	DIODE AUTO INSERT 1N4148 SI GEN PURPOSE
D60		001-50012-05	DIODE AUTO INSERT 1N4531 SI SMALL SIG
IC1		002-00014-91	INTEGRATED CCT 4001B QUAD 2 I/P NOR GATE (S)
IC2		002-00014-40	INTEGRATED CCT 324P QUAD OP AMP (S)
IC3		002-00015-70	INTEGRATED CCT 4066B QUAD BILATERAL SWITCH (S)
IC4		002-00013-70	INTEGRATED CCT TDA1020 AF POWER AMP 9PIN SIL
IC7		002-00014-70	INTEGRATED CCT 3357P FM IF DET LOW POWER (S)
IC8		002-00017-60	INTEGRATED CCT MC145152 FREQ SYNTHESIZER (S)
IC9		002-00017-45	INTEGRATED CCT SP8718 UHF 64/65 PRESCALER (S)
L1		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L2		056-00021-01	INDUCTOR FIXED 1.5UH AXIAL
L11		051-00005-26	COIL TAIT NO 526 1T/3.5MM SPECIAL T550A
L12		056-00021-01	INDUCTOR FIXED 1.5UH AXIAL
L13		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L15		051-00005-26	COIL TAIT NO 526 1T/3.5MM SPECIAL T550A
L17		051-00005-26	COIL TAIT NO 526 1T/3.5MM SPECIAL T550A
L19		051-00005-26	COIL TAIT NO 526 1T/3.5MM SPECIAL T550A
L21		050-00016-22	COIL TAIT NO 622 20-120MHZ 7MM CAN

T555 MAIN BOARD PARTS LIST

REF	VAR	IPN	DESCRIPTION
L23		050-00016-22	COIL TAIT NO 622 20-120MHZ 7MM CAN
L27		052-08130-15	COIL A/W 1.5T/3.0MM HOR 0.8MM WIRE
$L30	10	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	15	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	20	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	21	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	24	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	25	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	28	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	29	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	32	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	33	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	60	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	70	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	71	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	73	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
$L30	90	050-00016-17	COIL TAIT NO 617 4UH 7MM BASE SLEEVED LESS CAN
L31		056-00021-02	INDUCTOR FIXED 100UH AXIAL
L32		056-00021-02	INDUCTOR FIXED 100UH AXIAL
L33		056-00021-02	INDUCTOR FIXED 100UH AXIAL
L35		056-00021-04	INDUCTOR FIXED 330NH AXIAL
@L36	10	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	15	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L36	20	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	21	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	22	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	23	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	24	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	25	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L36	26	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L36	27	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L36	28	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L36	29	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L36	30	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	32	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	33	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	35	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L36	60	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	70	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	71	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L36	73	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L36	90	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
L37		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L38		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L45		056-00021-02	INDUCTOR FIXED 100UH AXIAL
L50		056-00021-04	INDUCTOR FIXED 330NH AXIAL
@L51	10	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	15	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L51	20	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	21	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	22	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	23	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	24	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	25	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L51	26	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L51	27	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L51	28	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L51	29	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L51	30	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	32	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	33	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	35	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L51	60	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	70	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	71	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
@L51	73	051-00005-07	COIL TAIT NO 507 18MM S/R COAX T550
@L51	90	051-00005-06	COIL TAIT NO 506 25MM S/R COAX T550
L52		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L53		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L54		052-08130-35	COIL A/W 3.5T/3.0MM HOR 0.8MM WIRE
L60		052-08123-15	COIL A/W 1.5T/2.3MM HOR 0.8MM WIRE
L61		052-08135-25	COIL A/W 2.5T/3.5MM HOR 0.8MM WIRE
L62		052-08135-15	COIL A/W 1.5T/3.5MM HOR 0.8MM WIRE
L64		052-08123-15	COIL A/W 1.5T/2.3MM HOR 0.8MM WIRE
L65		065-00010-01	BEAD FERRITE 3B 6 HOLE
L66		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L67		052-08140-15	COIL A/W 1.5T/4.0MM HOR 0.8MM WIRE
L68		052-08230-55	COIL A/W 5.5T/3.0MM VERT 0.8MM WIRE
L69		065-00010-04	BEAD FERRITE F8 4X2X5MM
L70		065-00010-04	BEAD FERRITE F8 4X2X5MM
L71		052-08135-45	COIL A/W 4.5T/3.5MM HOR 0.8MM WIRE
L72		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L73		065-00010-04	BEAD FERRITE F8 4X2X5MM
L80		051-00005-28	COIL TAIT NO 528 HAIRPIN 17MM T550A
L83		056-00021-04	INDUCTOR FIXED 330NH AXIAL
L86		052-08125-25	COIL A/W 2.5T/2.5MM HOR 0.8MM WIRE
L87		052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
L88		052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	10	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	15	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	20	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	21	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	22	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	23	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	24	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	25	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	26	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	27	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	28	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	29	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	30	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	32	052-08125-25	COIL A/W 2.5T/2.5MM HOR 0.8MM WIRE
#L89	33	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	35	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	60	052-08125-25	COIL A/W 2.5T/2.5MM HOR 0.8MM WIRE
#L89	70	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	71	052-08128-25	COIL A/W 2.5T/2.8MM HOR 0.8MM WIRE
#L89	73	052-08125-25	COIL A/W 2.5T/2.5MM HOR 0.8MM WIRE
#L89	90	052-08125-25	COIL A/W 2.5T/2.5MM HOR 0.8MM WIRE
L90		052-08160-35	COIL A/W 3.5T/6.0MM HOR 0.8MM WIRE
L285		065-00010-07	BEAD FERRITE 4S3 5*2*4MM RED
L286		065-00010-07	BEAD FERRITE 4S3 5*2*4MM RED
PL-1		240-00020-58	HEADER 5 WAY 1 ROW PCB MTG
PL-2		240-00020-58	HEADER 5 WAY 1 ROW PCB MTG
PL-3		240-00020-60	HEADER 18 WAY 1 ROW PCB MTG
PL4		240-00020-68	HEADER 2WAY PCB MOUNTING STANDARD
PL-5		240-00020-74	HEADER 4 WAY PCB MTG ULTREX
PL-6		240-00020-72	HEADER 2 WAY PCB MTG ULTREX
PL-7		240-00020-69	HEADER 3WAY 1ROW PCB MTG GOLD PLATE PINS
Q1		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q2		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q3		000-00011-70	TRANSISTOR BD136 PNP TO-126 AF POWER
Q4		000-50010-60	TRANSISTOR AUTO INSERT BC327 PNP TO-92 AF POWER
Q5		000-50010-60	TRANSISTOR AUTO INSERT BC327 PNP TO-92 AF POWER
Q6		000-50011-30	TRANSISTOR AUTO INSERT BC557B PNP TO-92 AF S/SIG
Q7		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q10		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q11		000-50011-30	TRANSISTOR AUTO INSERT BC557B PNP TO-92 AF S/SIG
Q15		000-00032-15	TRANSISTOR BFR91A NPN T PACK UHF SMALL SIG
Q16		000-00020-17	TRANSISTOR BF245C N-CHANNEL J-FET TO-92
Q19		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q20		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q21		000-00020-11	TRANSISTOR BF494 NPN TO-92 RF SMALL SIG (S)
Q22		000-00020-11	TRANSISTOR BF494 NPN TO-92 RF SMALL SIG (S)
Q25		000-50011-30	TRANSISTOR AUTO INSERT BC557B PNP TO-92 AF S/SIG
Q26		000-50011-30	TRANSISTOR AUTO INSERT BC557B PNP TO-92 AF S/SIG
Q27		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q28		000-50011-30	TRANSISTOR AUTO INSERT BC557B PNP TO-92 AF S/SIG
Q29		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q30		000-50011-30	TRANSISTOR AUTO INSERT BC557B PNP TO-92 AF S/SIG
Q31		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q32		000-50011-30	TRANSISTOR AUTO INSERT BC557B PNP TO-92 AF S/SIG
Q33		000-00033-11	TRANSISTOR J310 JFET TO-92 VHF/UHF 5MM L/S (S)
Q34		000-00031-75	TRANSISTOR 3SK87AK DG MOSFET X PACK VHF (S)
Q35		000-50011-30	TRANSISTOR AUTO INSERT BC557B PNP TO-92 AF S/SIG
Q36		000-00033-11	TRANSISTOR J310 JFET TO-92 VHF/UHF 5MM L/S (S)
Q37		000-00031-75	TRANSISTOR 3SK87AK DG MOSFET X PACK VHF (S)
Q38		000-00031-90	TRANSISTOR MPSH11 NPN TO-92 RF (S)
Q40		000-00031-90	TRANSISTOR MPSH11 NPN TO-92 RF (S)
Q41		000-00032-48	TRANSISTOR BLU98 NPN X PACK UHF
Q42		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q43		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q44		000-00011-70	TRANSISTOR BD136 PNP TO-126 AF POWER
Q45		000-00032-56	TRANSISTOR MRF630 NPN TO-39 UHF POWER 3W
Q46		000-00022-75	TRANSISTOR SD1433 NPN STUD MTG UHF POWER 10W
Q47		000-00022-80	TRANSISTOR SD1488 NPN 6LFL UHF POWER 40W
Q48		000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
R1		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R2		030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
R3		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R4		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R5		030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
R6		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R7		030-54390-20	RESISTOR FILM AUTOINSERT 3K9 5% 0.4W 4X1.6MM
R8		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R9		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R10		030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
R11		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R15		030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
R16		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R17		030-57100-20	RESISTOR FILM AUTOINSERT 1M 5% 0.4W 4X1.6MM
R18		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R19		030-56100-20	RESISTOR FILM AUTOINSERT 100K 5% 0.4W 4X1.6MM
R20		030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
R21		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R25		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R26		030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
R27		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R28		030-57100-20	RESISTOR FILM AUTOINSERT 1M 5% 0.4W 4X1.6MM
R29		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R30		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R31		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R32		030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
R33		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R34		030-51220-20	RESISTOR FILM AUTOINSERT 2E2 5% 0.4W 4X1.6MM
R40		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R41		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM

REF	VAR	IPN	DESCRIPTION
R42		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R43		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R44		030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
R45		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R46		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R47		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R48		030-56470-20	RESISTOR FILM AUTOINSERT 470K 5% 0.4W 4X1.6MM
R49		030-56470-20	RESISTOR FILM AUTOINSERT 470K 5% 0.4W 4X1.6MM
R50		030-55330-20	RESISTOR FILM AUTOINSERT 33K 5% 0.4W 4X1.6MM
R51		030-56470-20	RESISTOR FILM AUTOINSERT 470K 5% 0.4W 4X1.6MM
R52		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R53		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R54		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R60		030-51220-20	RESISTOR FILM AUTOINSERT 2E2 5% 0.4W 4X1.6MM
R61		030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
R62		030-57100-20	RESISTOR FILM AUTOINSERT 1M 5% 0.4W 4X1.6MM
R63		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R64		030-56100-20	RESISTOR FILM AUTOINSERT 100K 5% 0.4W 4X1.6MM
R65		030-56470-20	RESISTOR FILM AUTOINSERT 470K 5% 0.4W 4X1.6MM
R66		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R67		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R68		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R70		030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
R71		030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
R72		030-56470-20	RESISTOR FILM AUTOINSERT 470K 5% 0.4W 4X1.6MM
R73		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R74		030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
R75		030-55150-20	RESISTOR FILM AUTOINSERT 15K 5% 0.4W 4X1.6MM
&R76	10	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	15	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	20	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	21	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	22	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	23	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	24	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	25	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	26	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	27	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	28	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	29	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	30	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	32	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	33	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	35	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	60	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	70	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	71	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R76	73	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R76	90	030-54820-20	RESISTOR FILM AUTOINSERT 8K2 5% 0.4W 4X1.6MM
&R77	10	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	15	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	20	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	21	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	22	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	23	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	24	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	25	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	26	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	27	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	28	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	29	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	30	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	32	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	33	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	35	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	60	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	70	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	71	030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
&R77	73	030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
&R77	90	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R78	10	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	15	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	20	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	21	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	22	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	23	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	24	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	25	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	26	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	27	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	28	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	29	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	30	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	32	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	33	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	35	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	60	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	70	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	71	030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
&R78	73	030-55390-20	RESISTOR FILM AUTOINSERT 39K 5% 0.4W 4X1.6MM
&R78	90	030-05820-20	RESISTOR FILM 82K 5% 0.4W 4X1.6MM
RV79		042-04220-01	RESISTOR PRESET 2K2 CARBON 10MM FLAT
R80		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
&R81	10	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	15	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM

REF	VAR	IPN	DESCRIPTION
&R81	20	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	21	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	22	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	23	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	24	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	25	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM
&R81	26	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM
&R81	27	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM
&R81	28	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM
&R81	29	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM
&R81	30	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	32	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	33	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	35	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM
&R81	60	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	70	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	71	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
&R81	73	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM
&R81	90	030-55180-20	RESISTOR FILM AUTOINSERT 18K 5% 0.4W 4X1.6MM
R82		030-56100-20	RESISTOR FILM AUTOINSERT 100K 5% 0.4W 4X1.6MM
&R83	10	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	15	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	20	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	21	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	22	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	23	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	24	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	25	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	26	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	27	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	28	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	29	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	30	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	32	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	33	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	35	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	60	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	70	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	71	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
&R83	73	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R83	90	030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
RV85		040-05100-13	POTENTIOMETER 10K LOG LESS SW PCB MOUNTING
R86		030-55330-20	RESISTOR FILM AUTOINSERT 33K 5% 0.4W 4X1.6MM
R87		030-56100-20	RESISTOR FILM AUTOINSERT 100K 5% 0.4W 4X1.6MM
R88		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R89		030-51220-20	RESISTOR FILM AUTOINSERT 2E2 5% 0.4W 4X1.6MM
R100		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R101		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R102		030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
R103		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
R104		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R105		030-52100-20	RESISTOR FILM AUTOINSERT 10E 5% 0.4W 4X1.6MM
R106		030-52470-20	RESISTOR FILM AUTOINSERT 47E 5% 0.4W 4X1.6MM
R107		030-52470-20	RESISTOR FILM AUTOINSERT 47E 5% 0.4W 4X1.6MM
R108		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R109		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
R115		030-55330-20	RESISTOR FILM AUTOINSERT 33K 5% 0.4W 4X1.6MM
R116		030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
R117		030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
R118		030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
R119		030-53150-20	RESISTOR FILM AUTOINSERT 150E 5% 0.4W 4X1.6MM
R120		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
R121		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
R122		030-56220-20	RESISTOR FILM AUTOINSERT 220K 5% 0.4W 4X1.6MM
R123		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R124		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R125		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R126		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R127	10	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	15	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	20	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	21	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	22	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	23	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	24	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	25	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	26	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	27	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	28	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	29	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	30	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	32	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	33	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	35	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	60	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	70	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	71	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
&R127	73	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R127	90	030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
R130		030-52470-20	RESISTOR FILM AUTOINSERT 47E 5% 0.4W 4X1.6MM
R131		030-53470-20	RESISTOR FILM AUTOINSERT 470E 5% 0.4W 4X1.6MM
&R132	10	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	15	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	20	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	21	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM

T555 MAIN BOARD PARTS LIST

REF	VAR	IPN	DESCRIPTION
&R132	22	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	23	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	24	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	25	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	26	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	27	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	28	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	29	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	30	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	32	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	33	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	35	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	60	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	70	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	71	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
&R132	73	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
&R132	90	030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
R133		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	10	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	15	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	20	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	21	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	22	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	23	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	24	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	25	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	26	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	27	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	28	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	29	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	30	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	32	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	33	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	35	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	60	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	70	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	71	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R134	73	030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
&R134	90	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R135		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
&R140	10	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	15	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	20	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	21	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	22	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	23	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	24	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	25	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	26	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	27	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	28	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	29	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	30	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	32	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	33	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	35	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	60	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	70	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	71	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R140	73	030-56150-20	RESISTOR FILM AUTOINSERT 150K 5% 0.4W 4X1.6MM
&R140	90	030-56120-20	RESISTOR FILM AUTOINSERT 120K 5% 0.4W 4X1.6MM
&R141	10	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	15	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	20	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	21	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	22	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	23	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	24	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	25	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	26	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	27	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	28	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	29	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	30	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	32	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	33	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	35	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	60	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	70	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	71	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
&R141	73	030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
&R141	90	030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
R142		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R143		030-56470-20	RESISTOR FILM AUTOINSERT 470K 5% 0.4W 4X1.6MM
R144		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R145		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R146		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R147	10	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	15	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	20	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	21	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	22	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	23	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	24	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	25	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM

REF	VAR	IPN	DESCRIPTION
&R147	26	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	27	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	28	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	29	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	30	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	32	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	33	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	35	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	60	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	70	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	71	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R147	73	030-56180-20	RESISTOR FILM AUTOINSERT 180K 5% 0.4W 4X1.6MM
&R147	90	030-56270-20	RESISTOR FILM AUTOINSERT 270K 5% 0.4W 4X1.6MM
&R148	10	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	15	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	20	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	21	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	22	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	23	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	24	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	25	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	26	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	27	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	28	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	29	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	30	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	32	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	33	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	35	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	60	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	70	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	71	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
&R148	73	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R148	90	030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
RV149		040-05100-14	POTENTIOMETER 10K LIN LESS SW PCB MTG
R150		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R170		030-54680-20	RESISTOR FILM AUTOINSERT 6K8 5% 0.4W 4X1.6MM
R171		030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
R172		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R173		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R174		030-57100-20	RESISTOR FILM AUTOINSERT 1M 5% 0.4W 4X1.6MM
$R175	10	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	15	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	20	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	21	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	24	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	25	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	28	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	29	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	32	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	33	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	60	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	70	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	71	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	73	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
$R175	90	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R176		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R177		030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R178		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R179		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R180		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R181		030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
R182		030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
R183		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
R184		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R185		030-53100-20	RESISTOR FILM AUTOINSERT 100E 5% 0.4W 4X1.6MM
R186		030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R187		030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
R188		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
R189		030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
R190		030-54330-20	RESISTOR FILM AUTOINSERT 3K3 5% 0.4W 4X1.6MM
R191		030-53100-20	RESISTOR FILM AUTOINSERT 100E 5% 0.4W 4X1.6MM
R192		030-54820-20	RESISTOR FILM AUTOINSERT 8K2 5% 0.4W 4X1.6MM
RC194		036-13220-00	RESISTOR M/F 0805 CHIP 220E 5%
RC195		036-16100-00	RESISTOR M/F 0805 CHIP 100K 5%
RC196		036-14560-00	RESISTOR M/F 0805 CHIP 5K6 5%
RC197		036-16100-00	RESISTOR M/F 0805 CHIP 100K 5%
R215		030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
R216		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
R217		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
R218		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
R219		030-54150-20	RESISTOR FILM AUTOINSERT 1K5 5% 0.4W 4X1.6MM
RC220		036-14100-00	RESISTOR M/F 0805 CHIP 1K 5%
R221		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R222		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R223		030-54820-20	RESISTOR FILM AUTOINSERT 8K2 5% 0.4W 4X1.6MM
R224		030-53270-20	RESISTOR FILM AUTOINSERT 270E 5% 0.4W 4X1.6MM
R225		030-53120-20	RESISTOR FILM AUTOINSERT 120E 5% 0.4W 4X1.6MM
R227		030-55120-20	RESISTOR FILM AUTOINSERT 12K 5% 0.4W 4X1.6MM
R228		030-55220-20	RESISTOR FILM AUTOINSERT 22K 5% 0.4W 4X1.6MM
R229		030-53100-20	RESISTOR FILM AUTOINSERT 100E 5% 0.4W 4X1.6MM
R231		030-54330-20	RESISTOR FILM AUTOINSERT 3K3 5% 0.4W 4X1.6MM
RC232		036-14100-00	RESISTOR M/F 0805 CHIP 1K 5%
R233		030-54390-20	RESISTOR FILM AUTOINSERT 3K9 5% 0.4W 4X1.6MM
R234		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM

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REF	VAR	IPN	DESCRIPTION
RC235		036-13220-00	RESISTOR M/F 0805 CHIP 220E 5%
R236		030-53470-20	RESISTOR FILM AUTOINSERT 470E 5% 0.4W 4X1.6MM
&RC237	10	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	15	036-15120-00	RESISTOR M/F 0805 CHIP 12K 5%
&RC237	20	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	21	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	22	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	23	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	24	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	25	036-15120-00	RESISTOR M/F 0805 CHIP 12K 5%
&RC237	26	036-15120-00	RESISTOR M/F 0805 CHIP 12K 5%
&RC237	27	036-15120-00	RESISTOR M/F 0805 CHIP 12K 5%
&RC237	28	036-15120-00	RESISTOR M/F 0805 CHIP 12K 5%
&RC237	29	036-15120-00	RESISTOR M/F 0805 CHIP 12K 5%
&RC237	30	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	32	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	33	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	35	036-15120-00	RESISTOR M/F 0805 CHIP 12K 5%
&RC237	60	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	70	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	71	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
&RC237	73	036-15120-00	RESISTOR M/F 0805 CHIP 12K 5%
&RC237	90	036-14680-00	RESISTOR M/F 0805 CHIP 6K8 5%
RC238		036-16100-00	RESISTOR M/F 0805 CHIP 100K 5%
RC239		036-14560-00	RESISTOR M/F 0805 CHIP 5K6 5%
RC240		036-16100-00	RESISTOR M/F 0805 CHIP 100K 5%
R241		030-52470-20	RESISTOR FILM AUTOINSERT 47E 5% 0.4W 4X1.6MM
&R242	10	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	15	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R242	20	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	21	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	22	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	23	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	24	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	25	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R242	26	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R242	27	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R242	28	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R242	29	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R242	30	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	32	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	33	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	35	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R242	60	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	70	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	71	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
&R242	73	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
&R242	90	030-54560-20	RESISTOR FILM AUTOINSERT 5K6 5% 0.4W 4X1.6MM
R244		030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
R246		030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
R247		030-51820-20	RESISTOR FILM AUTOINSERT 8E2 5% 0.4W 4X1.6MM
R248		030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
R249		030-53680-20	RESISTOR FILM AUTOINSERT 680E 5% 0.4W 4X1.6MM
R250		030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
R251		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R252		030-52560-20	RESISTOR FILM AUTOINSERT 56E 5% 0.4W 4X1.6MM
RV253		042-04220-01	RESISTOR PRESET 2K2 CARBON 10MM FLAT
R254	10	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	15	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	20	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	21	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	22	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	23	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R254	24	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R254	25	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	26	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	27	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R254	28	030-55100-20	RESISTOR FILM AUTOINSERT 10K 5% 0.4W 4X1.6MM
R254	29	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	30	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	32	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	33	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	35	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	60	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	70	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	71	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	73	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R254	90	030-54100-20	RESISTOR FILM AUTOINSERT 1K 5% 0.4W 4X1.6MM
R255		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R256		030-53330-20	RESISTOR FILM AUTOINSERT 330E 5% 0.4W 4X1.6MM
R257		030-54120-20	RESISTOR FILM AUTOINSERT 1K2 5% 0.4W 4X1.6MM
R258		030-52560-20	RESISTOR FILM AUTOINSERT 56E 5% 0.4W 4X1.6MM
R259		030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
R260		030-51220-20	RESISTOR FILM AUTOINSERT 2E2 5% 0.4W 4X1.6MM
R261		030-54220-20	RESISTOR FILM AUTOINSERT 2K2 5% 0.4W 4X1.6MM
R262		032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
R263		030-53100-20	RESISTOR FILM AUTOINSERT 100E 5% 0.4W 4X1.6MM
R265		030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
R266		030-53390-20	RESISTOR FILM AUTOINSERT 390E 5% 0.4W 4X1.6MM
R267		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R268		030-55150-20	RESISTOR FILM AUTOINSERT 15K 5% 0.4W 4X1.6MM
R269		030-54470-20	RESISTOR FILM AUTOINSERT 4K7 5% 0.4W 4X1.6MM
R270		030-53220-20	RESISTOR FILM AUTOINSERT 220E 5% 0.4W 4X1.6MM
⊕R271	10	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	20	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	21	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	22	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	23	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	24	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	30	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	32	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	33	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	60	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	70	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	71	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
⊕R271	90	032-33100-00	RESISTOR M/F POWER 100E 5% 1W 10X4MM
R272		030-55470-20	RESISTOR FILM AUTOINSERT 47K 5% 0.4W 4X1.6MM
SKT-4		240-04020-57	SOCKET 10 WAY 1ROW PCB MTG TOP ENTRY
TP-2		240-00020-59	HEADER 3 WAY 1 ROW PCB MTG
TP-3		240-00020-59	HEADER 3 WAY 1 ROW PCB MTG
X1		274-00010-02	CRYSTAL 20.945MHZ SPEC TE/15
&XF1	10	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	15	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	20	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	21	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	22	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	23	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	24	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	25	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	26	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	27	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	28	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	29	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	30	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	32	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	33	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	35	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	60	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	70	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	71	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF1	73	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF1	90	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	10	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	10	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	15	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	15	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	20	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	20	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	21	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	21	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF2	22	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF2	23	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
$X2	24	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	24	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	25	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	25	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF2	26	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF2	27	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
$X2	28	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	28	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	29	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	29	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
&XF2	30	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
$X2	32	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	32	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
$X2	33	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	33	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
&XF2	35	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
$X2	60	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	60	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	70	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	70	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	71	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	71	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A
$X2	73	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	73	276-00010-46	FILTER CRYSTAL 21.4MHZ 7.5KHZ B/W 2POLE 21N7.5A
$X2	90	274-00010-07	CRYSTAL 12.8MHZ SPEC TE/9
&XF2	90	276-00010-47	FILTER CRYSTAL 21.4MHZ 15KHZ B/W 2POLE 21N15A

T555 PARTS LIST MECHANICAL & MISCELLANEOUS

IPN	DESCRIPTION
### VARIANT T555-10 22 TRANSCEIVER FM 400-470MHZ 5KHZ DEV CTCSS SC	
	T500 LED/DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30043-00	CLIP A3M1656 PLASTIC CRADLE T500
303-30044-00	CLAMP A3M1657 PLASTIC CRADLE LOCK T500
303-30046-00	CRADLE A3M1887 BRACKET SHORT T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814
### VARIANT T555-15 22 TRANSCEIVER FM 450-520MHZ 5KHZ DEV CTCSS SC	
	T500 LED/DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30043-00	CLIP A3M1656 PLASTIC CRADLE T500
303-30044-00	CLAMP A3M1657 PLASTIC CRADLE LOCK T500
303-30046-00	CRADLE A3M1887 BRACKET SHORT T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814
### VARIANT T555-20 22 TRANSCEIVER FM 400-470MHZ 5KHZ DEV CTCSS RC AUST	
	T500 LED/DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

IPN	DESCRIPTION
### VARIANT T555-21 19 TRANSCEIVER FM 400-470MHZ 5KHZ DEV RC AUST	
	T500 LED/DIODE MATRIX PCB
240-00100-10	PLUG COAXIAL BNC CORD MTG CAPTIVE & CLAMPED
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814
### VARIANT T555-22 21 TRANSCEIVER FM 400-470MHZ 2.5K DEV CTCSS TCXO RC	
T500-22	T500 DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
T500-26	T500-26 TCXO -10 TO +60 C
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
319-01160-00	SHIELD A4M2372 FRONT EARTHING 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814
### VARIANT T555-23 21 TRANSCEIVER FM 400-470M 1W 2.5K DEV CTCSS TCXO RC	
T500-22	T500 DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
T500-26	T500-26 TCXO -10 TO +60 C
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7

T555 PARTS LIST MECHANICAL & MISCELLANEOUS

IPN	DESCRIPTION
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-24 22 TRANSCEIVER FM 400-470MHZ 5KHZ DEV CTCSS RC 1W TX

	T500 LED/DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-25 22 TRANSCEIVER FM 450-520MHZ 5KHZ DEV CTCSS RC AUST

	T500 LED/DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-26 21 TRANSCEIVER FM 450-520MHZ 2.5K DEV CTCSS TCXO RC

T500-22	T500 DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
T500-26	T500-26 TCXO -10 TO +60 C
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
319-01160-00	SHIELD A4M2372 FRONT EARTHING 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-27 21 TRANSCEIVER FM 450-520M 1W 2.5K DEV CTCSS TCXO RC

T500-22	T500 DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
T500-26	T500-26 TCXO -10 TO +60 C
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-28 22 TRANSCEIVER FM 450-520MHZ 1W 5KHZ DEV CTCSS RC

	T500 LED/DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-29 19 TRANSCEIVER FM 450-520MHZ 5KHZ DEV RC

	T500 LED/DIODE MATRIX PCB
240-00100-10	PLUG COAXIAL BNC CORD MTG CAPTIVE & CLAMPED
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X

T555 PARTS LIST MECHANICAL & MISCELLANEOUS

IPN	DESCRIPTION
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-30 18 TRANSCEIVER FM 400-470MHZ 2.5K DEV TCXO RC

T500-22	T500 DIODE MATRIX PCB
T500-26	T500-26 TCXO -10 TO +60 C
240-00100-10	PLUG COAXIAL BNC CORD MTG CAPTIVE & CLAMPED
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
319-01160-00	SHIELD A4M2372 FRONT EARTHING 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-32 22 TRANSCEIVER FM 400-470MHZ 2.5K DEV CTCSS RC AUST

	T500 LED/DIODE MATRIX PCB
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
240-00100-35	PLUG COAXIAL UHF CORD MTG
240-02100-35	SOCKET COAXIAL UHF PANEL MOUNTING OPEN TERMINATIO
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-33 19 TRANSCEIVER FM 400-470MHZ 2.5KHZ DEV RC.

	T500 LED/DIODE MATRIX PCB
240-00100-13	PLUG COAXIAL BNC CORD MTG CRIMP URM76
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X

IPN	DESCRIPTION
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-35 18 TRANSCEIVER FM 450-520MHZ 2.5K DEV TCXO RC

T500-22	T500 DIODE MATRIX PCB
T500-26	T500-26 TCXO -10 TO +60 C
240-00100-10	PLUG COAXIAL BNC CORD MTG CAPTIVE & CLAMPED
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
319-01160-00	SHIELD A4M2372 FRONT EARTHING 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-60 22 TRANSCEIVER FM 400-470MHZ 5K DEV XTAL HTR SC CMC

	T500 LED/DIODE MATRIX PCB WITH XTAL HEATER PARTS
240-00100-35	PLUG COAXIAL UHF CORD MTG
240-02100-35	SOCKET COAXIAL UHF PANEL MOUNTING OPEN TERMINATIO
252-00010-23	MICROPHONE 600 OHM CMC LABEL LOW TEMP CURLY COR
303-30043-00	CLIP A3M1656 PLASTIC CRADLE T500
303-30044-00	CLAMP A3M1657 PLASTIC CRADLE LOCK T500
303-30046-00	CRADLE A3M1887 BRACKET SHORT T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06342-00	PANEL FT COMP MARCONI CANADA METALISD A4M2296 T50
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
410-00010-34	SLEEVE CARD BLANK 500 SERIES A4M1814

VARIANT T555-70 20 TRANSCEIVER FM 400-470MHZ 5KHZ DEV INTRON RC

	T500 LED/DIODE MATRIX PCB
240-00100-10	PLUG COAXIAL BNC CORD MTG CAPTIVE & CLAMPED
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
312-01035-00	LENS COMPLETE A4A630 A4M1586 T500 SERIES
316-06362-00	PNL FNT MET COMP INTRON-402 T500 A4A597 A4M2298
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7

IPN	DESCRIPTION
365-00012-36	LABEL INTRON T500 MIC A4A440
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
410-00010-34	SLEEVE CARD BLANK 500 SERIES A4M1814

VARIANT T555-71 19 TRANSCEIVER FM 400-470MHZ 15KHZ DEV RC

	T500 LED/DIODE MATRIX PCB
240-00100-10	PLUG COAXIAL BNC CORD MTG CAPTIVE & CLAMPED
240-02100-11	SOCKET COAXIAL BNC 3.5MM BULKHEAD LESS EARTH TA
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06333-00	PANEL FRONT COMPLETE METALISED T500 A4M2488
316-85094-00	PLATE A4M2160 BNC MTG UK 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-73 18 TRANSCEIVER FM 450-520MHZ 2.5K DEV RC TAIWAN

	GSA2210J 5 TONE CTCSS PCB
	T500 LED PCB
T500-22	T500 DIODE MATRIX PCB
240-00100-35	PLUG COAXIAL UHF CORD MTG
240-02100-35	SOCKET COAXIAL UHF PANEL MOUNTING OPEN TERMINATION
252-00010-12	MICROPHONE 600 OHM WITH HANGER CONNECTION FOSTE
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13079-00	HEATSINK A4M2584 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
319-01160-00	SHIELD A4M2372 FRONT EARTHING 5X5 SERIES
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

VARIANT T555-80 22 TRANSCEIVER FM 400-470MHZ 5K DEV CTCSS XTAL HTR RC

	T500 LED/DIODE MATRIX PCB WITH XTAL HEATER PARTS
T500-11	CTCSS DENCODER 2CHAN TX INHIBIT ALERT 500 SERIES
240-00100-35	PLUG COAXIAL UHF CORD MTG
240-02100-35	SOCKET COAXIAL UHF PANEL MOUNTING OPEN TERMINATIO
252-00010-24	MICROPHONE 600 OHM TAIT LABEL LOW TEMP CURLY COR
303-30047-00	CRADLE A2M1920 A3M1955 RUGGED ASSEMBLY T500
303-30049-00	CLIP A2M1922 RUGGED CRADLE T500
303-30052-00	KEY A4M1925 RUGGED CRADLE T500
308-13071-00	HEATSINK A1M1931 DIECAST 500 SERIES
316-06359-00	PANEL FRONT MTLSD COMPLETE SERIES 2 A4M2295 T5X
359-00010-37	RIVET 3*5MM FLAT HD ST TINMENS NO 7

IPN	DESCRIPTION
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER
409-50000-00	HANDBOOK 500 SERIES OPERATORS HANDBOOK
410-00010-37	SLEEVE CARD 500 SERIES A1A361 A4M1814

PARTS COMMON TO ALL VARIANTS

IPN	DESCRIPTION
012-04100-01	CAPACITOR CERAMIC FEEDTHRU 1N LESS LEAD CFL 1 CFL 2
012-04100-02	CAPACITOR CERAMIC FEEDTHRU 1N 300V LEADED CFL 3
051-00006-03	LEAD FEEDTHRU 0.7MM TCW A4M2230
065-00010-04	BEAD FERRITE F8 4X2X5MM
065-00010-13	BEAD FERRITE 7D 1.9*0.9*3.8MM STACK POLE Leg of L13
065-00020-03	BEAD GLASS 4*3*1.2MM
200-00010-04	WIRE TINNED COPPER 0.7MM L65 50mm
200-00010-04	WIRE TINNED COPPER 0.7MM
200-00010-05	WIRE TINNED COPPER 0.5MM L70 40mm L73 40mm
205-00010-06	CABLE TWIN AUTO 153 2/28/0.3 RED & BLAC
220-01113-01	PRINTED CIRCUIT BOARD T555 CCT C593
232-00010-19	SWITCH PUSH DPDT LATCHING PCB MOUNT SW1 On/Off SW3 Chan
232-00010-20	SWITCH PUSH DPDT MOMENTARY PCB MOUNT SW2 Call
240-00010-60	PLUG HOUSING 4 WAY MOLEX
240-00010-61	PLUG TERMINAL MALE SOLDER TAG MOLEX
240-02010-60	SOCKET HOUSING 4 WAY MOLEX
240-02010-61	SOCKET RECEPTACLE 152 AUTO CRIMP MOLEX
240-02010-62	SOCKET RECEPTACLE 7/0.2 WIRE CRIMP MOLEX
240-04020-64	SOCKET JACK AN 0.98MM PCB MTG 64 WAY SIL STRIP IC9
240-04020-72	SOCKET HOUSING 2 WAY CORD MTG ULTREX
240-04020-74	SOCKET HOUSING 4 WAY CORD MTG ULTREX
240-04020-76	SOCKET RECEPTACLES WIRE CRIMP FOR ULTREX HOUSING
250-00010-14	SPEAKER 8 OHM 92MM SQ A3M1799
252-00010-02	CLIP MICROPHONE MTG
265-00010-17	FUSE 10A CARTRIDGE 6*32MM 32V NON SPEC
302-40042-00	BUTTON A3M1585 PUSH MOULDED PLASTIC T500 switches 1 2 &3
302-45035-00	BOSS A4M2148 THREADED M5 OD M3 ID 5X5 SERIES heatsink solderside of P.A.
303-20042-00	COVER TOP COMPLETE A1M2375 TEXTURED METALISED 5X5
303-20044-00	COVER BTTM COMPLETE A1M2376 TEXTURED METALISED 5X
303-50068-00	CLIP A4M1941 TRANSISTOR MTG T555 Q44
303-50071-00	CLIP A4M2008 FEEDTHRU MTG 5*5 SERIES
306-01041-00	CLIP - PLASTIC WIRE HARNESS
311-01033-00	KNOB COMPLETE WITH DOT A4M1831 T500 SERIES
312-01014-00	LID A2M1932 DIECAST PA SOLDER SIDE 5X5 SERIES
312-01015-00	LID A2M1933 DIECAST PA COMPONENT SIDE 5X5 SERIES
312-01035-00	LENS COMPLETE A4M1586 A4A630 T500 SERIES
319-01097-00	SHIELD A2M1589 FRONT 505 SERIES
319-01109-00	SHIELD A2M1655 VCO LID 500/5X5 SERIES
319-01110-00	SHROUD A4M1587 INDICATOR 500/5X5 SERIES
319-01120-00	SHIELD A4M1813 RF 550 555
319-01129-00	SHIELD A2M1937 WALL T555
319-01130-00	SHIELD A2M1938 LID COMPONENT SIDE T555
319-01132-00	SHIELD A4M1951 POWER SKT 5X5 SERIES
319-01133-00	SHIELD A4M2011 DIVIDER T555
319-01137-00	SHIELD A2M2119 BOTTOM T555
319-01149-00	SHIELD BOX A1M2229 VCO T5X5 SERIES
340-00010-10	FUSEHOLDER INLINE BOOK HOUSING
340-00010-11	TERMINAL CRIMP BOOK FUSEHOLDER
345-00040-08	SCREW M3*12MM PAN POZI ST BZ IC4
345-00040-11	SCREW M3X10MM PAN POZI ST BZ Q3
349-00010-25	SCREW NO.4*3/8 PAN SUPA POLYMATE cover assembly
349-00010-49	SCREW SELFTAP NO 10X1/2 IN TYPE AB PAN POZI B
349-00020-31	SCREW TAPTITE M3X10MM PAN POZI BZ VCO box/lid
349-00020-31	SCREW TAPTITE M3X10MM PAN POZI BZ cover assembly
349-00020-32	SCREW TAPTITE M3X8MM PAN POZI BZ
352-00010-08	NUT M3 COLD FORM HEX ST BZ Q3 and IC4
352-00010-35	NUT 8-32 UNC HEX RF POWER TRANSISTOR MOUNTING Q48 mounting
353-00010-10	WASHER M3 FLAT ST BZ 6.75MM OD A4M1215 Q3
353-00010-11	WASHER M3 FLAT ST BZ 9.5MM OD A4M1216 IC4
353-00010-13	WASHER M3 SHAKEPROOF INT BZ Q3 and IC4
353-00010-32	WASHER M5 SHAKEPROOF EXT BZ
356-00010-01	TAG SOLDER 3MM SHORT M6132/3.2 Q47 x 2, IC4
356-00010-01	TAG SOLDER 3MM SHORT M6132/3.2 screw to component side P.A. lid and solder to power socket
357-00010-09	FIX PUSH ON SFP 3253
362-00010-20	MICA INSULATOR 10*14MM LESS HOLE Q44
365-00011-54	LABEL WHITE QUIKSTIK RW1556/2 SPECIAL ADHESIVE
365-00013-46	LABEL A4A590 T555 SCREW INFO
365-00100-04	LABEL BLANK 30X6.7MM S/A METALLISED POLYESTER
365-00100-10	BARCODE LABEL & LAMINATE 2 PARTS 3/8 WIDE
365-00100-20	LABEL WHITE S/A 28X11MM QUIKSTIK RW718/4
369-00010-27	TIE CABLE NYLON 140*2.6MM
369-00020-35	TAPE PVC FOAM 1 SIDE S/A 9*10MM INSEAL 5375
399-00010-56	BAG PLASTIC 200*250MM
400-00020-01	SLEEVING 0.7MM SILICONE RUBBER L70 x 12mm, L73 x 18mm
409-50001-00	INSTALLATION GUIDE T500 SERIES 2
410-00010-50	PACKAGING POLY FOAM 2 PCS 5*5 SERIES A1M2027
410-00010-55	PACKAGING CARTON 10 T500 RADIOS UEB 31561

T500 MEMORY & LED PARTS LISTS

T500 DIODE MATRIX/LED PCB

REF	IPN	DESCRIPTION
D302	008-00010-11	LED 3MM RED HLMP1385 DIFFUSED 2.2V 10MCD LESS MTG
D303	008-00010-11	LED 3MM RED HLMP1385 DIFFUSED 2.2V 10MCD LESS MTG
D304	008-00010-11	LED 3MM RED HLMP1385 DIFFUSED 2.2V 10MCD LESS MTG
D305	008-00010-11	LED 3MM RED HLMP1385 DIFFUSED 2.2V 10MCD LESS MTG
D1-D64	001-50012-05	DIODE AUTO INSERT 1N4531 SI SMALL SIG
PL-4	240-00020-57	HEADER 10 WAY 1 ROW PCB MTG
SKT-3	240-04020-60	SOCKET 18 WAY 1ROW PCB MTG TOP ENTRY
SK-7	240-04020-69	SOCKET 3WAY 1ROW PCB MTG GOLD PLATE SKTS TOP ENTRY
	220-01198-01	PCB COMBINED T500 DIODE MATRIX AND LED BOARD

PARTS TO BE ADDED FOR XTAL HEATER

D300	001-50012-05	DIODE AUTO INSERT 1N4531 SI SMALL SIG
D301	001-50012-05	DIODE AUTO INSERT 1N4531 SI SMALL SIG
D306	001-50015-09	DIODE ZENER AUTOINSERT 3V9 0.4W BZX79/C3V9
Q300	000-50011-10	TRANSISTOR AUTO INSERT BC547B NPN TO-92 AF S/SIG
Q301	000-00011-70	TRANSISTOR BD136 PNP TO-126 AF POWER
R300	030-55270-20	RESISTOR FILM AUTOINSERT 27K 5% 0.4W 4X1.6MM
R301	045-04470-01	RESISTOR NTC 4K7 20% 5MM DISC
R302	030-55150-20	RESISTOR FILM AUTOINSERT 15K 5% 0.4W 4X1.6MM
R303	030-53560-20	RESISTOR FILM AUTOINSERT 560E 5% 0.4W 4X1.6MM
R304	030-51220-20	RESISTOR FILM AUTOINSERT 2E2 5% 0.4W 4X1.6MM
R305	030-51220-20	RESISTOR FILM AUTOINSERT 2E2 5% 0.4W 4X1.6MM
	303-50063-00	CLIP A4M1648 TRANSISTOR HEAT TRANSFER T500-24
	369-00020-36	TAPE VINYL FOAM 2 SIDE S/A 25.4*3MM 3M 4408

T500-22 DIODE MATRIX PCB

REF	IPN	DESCRIPTION
D1-D32	001-10000-70	DIODE SMD BAV70 DUAL SWITCH SOT-23 COMMON CATHODE
PL1	240-00020-57	HEADER 10 WAY 1 ROW PCB MTG
SK1	240-04020-57	SOCKET 10 WAY 1ROW PCB MTG TOP ENTRY
	225-01171-00	PRINTED CIRCUIT BOARD T500 SMD DIODE 2CH MATRIX

T500 LED PCB

REF	IPN	DESCRIPTION
D302	008-00010-11	LED 3MM RED HLMP1385 DIFFUSED 2.2V 10MCD LESS MTG
D303	008-00010-11	LED 3MM RED HLMP1385 DIFFUSED 2.2V 10MCD LESS MTG
D304	008-00010-11	LED 3MM RED HLMP1385 DIFFUSED 2.2V 10MCD LESS MTG
D305	008-00010-11	LED 3MM RED HLMP1385 DIFFUSED 2.2V 10MCD LESS MTG
SKT1	240-04020-69	SOCKET 3WAY 1ROW PCB MTG GOLD PLATE SKTS TOP ENTRY
SKT2	240-04020-61	SOCKET 7 WAY 1 ROW PCB MTG TOP ENTRY
	225-01136-00	PRINTED CIRCUIT BOARD T500 SERIES LED & XTAL MTG
	369-00020-36	TAPE VINYL FOAM 2 SIDE S/A 25.4*3MM 3M 4408

GSA2210J 5 TONE/CTCSS PCB

IPN	DESCRIPTION
	5 WAY CONNECTOR PLUG
	5 WAY CONNECTOR PLUG & LOOM
	15 WAY CONNECTOR PLUG & LOOM
	DOUBLE SIDED FOAM TAPE
005-00000-10	MODULE GSA 2210-J 5 TONE SELCAL BOARDS COM
205-00010-38	CABLE DATA 8 CORE SHIELDED B2108CS
240-00010-34	PLUG 8 WAY DIN INLINE
240-04020-72	SOCKET HOUSING 2 WAY CORD MTG ULTREX
316-85113-00	PLATE A4M2581 T500 GSA 5-TONE MOUNTING PLAT
316-87057-00	PILLAR A4M1600 11.5MM TAPPED M3 500 SERIES
345-00040-07	SCREW M3*8MM CSK PAN POZI ST BZ
345-00040-10	SCREW M3*6MM PAN POZI ST BZ
349-00020-32	SCREW TAPTITE M3X8MM PAN POZI BZ
352-00010-28	NUT M3 NYLOC HEZ
353-00010-11	WASHER M3 FLAT ST BZ 9.5MM OD A4M1216
356-00010-03	TAG SOLDER 3MM LONG M6248/3.2
357-00010-46	CLAMP CABLE 6.3MM P CLIP NYLON

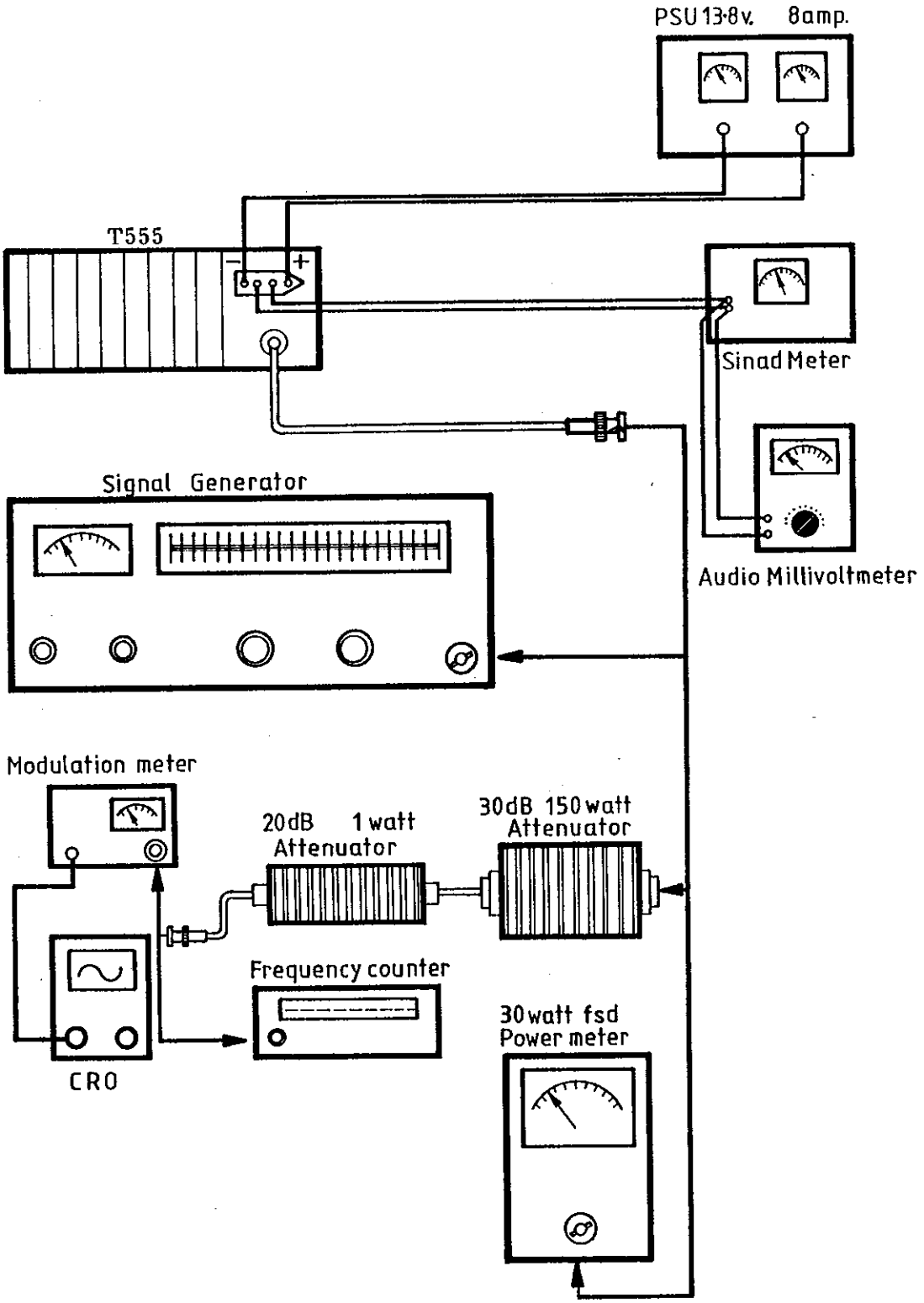


Diagram 1 Suggested Test Equipment Set-Up

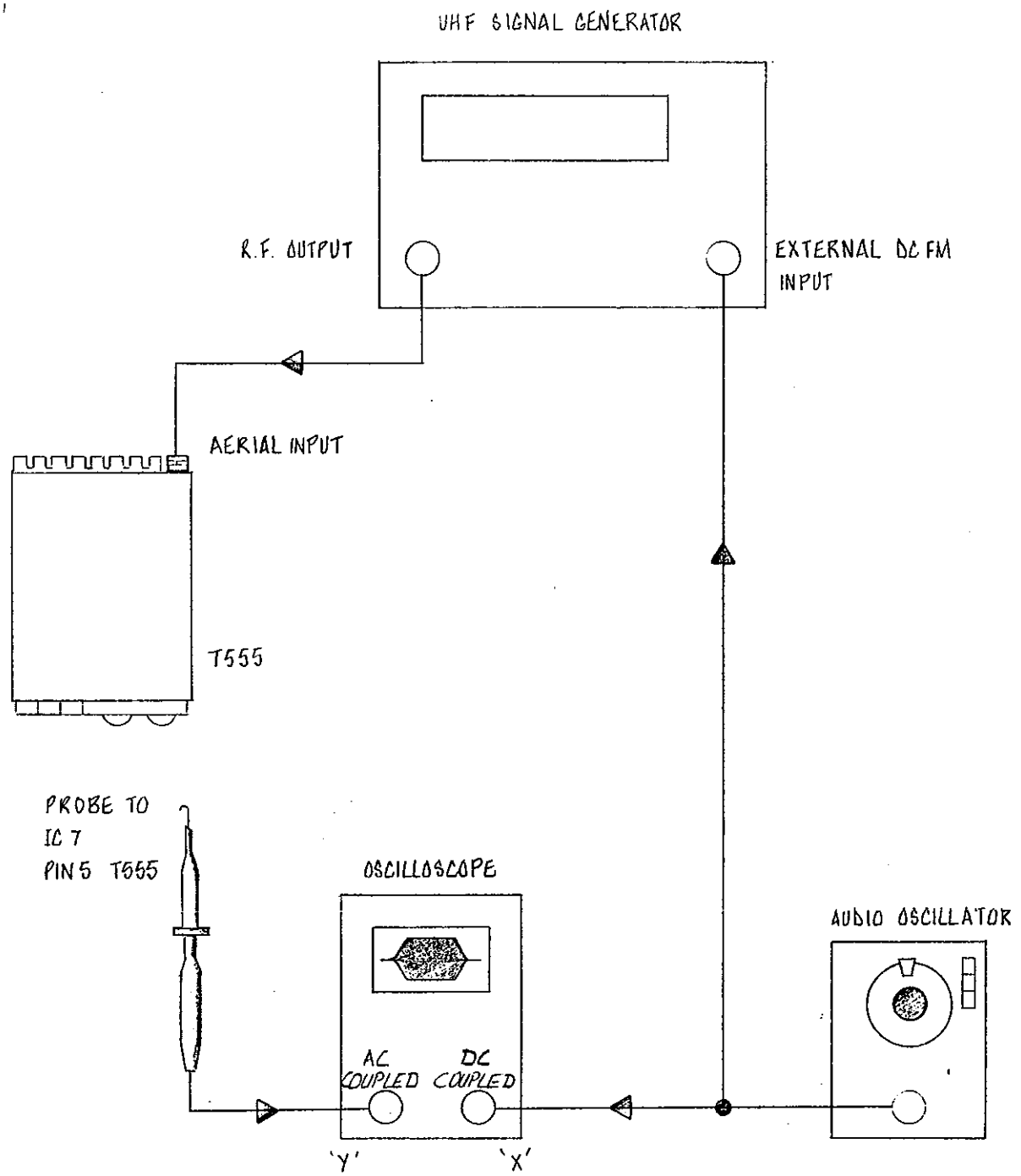


Diagram 2 IF Alignment Test Set-Up

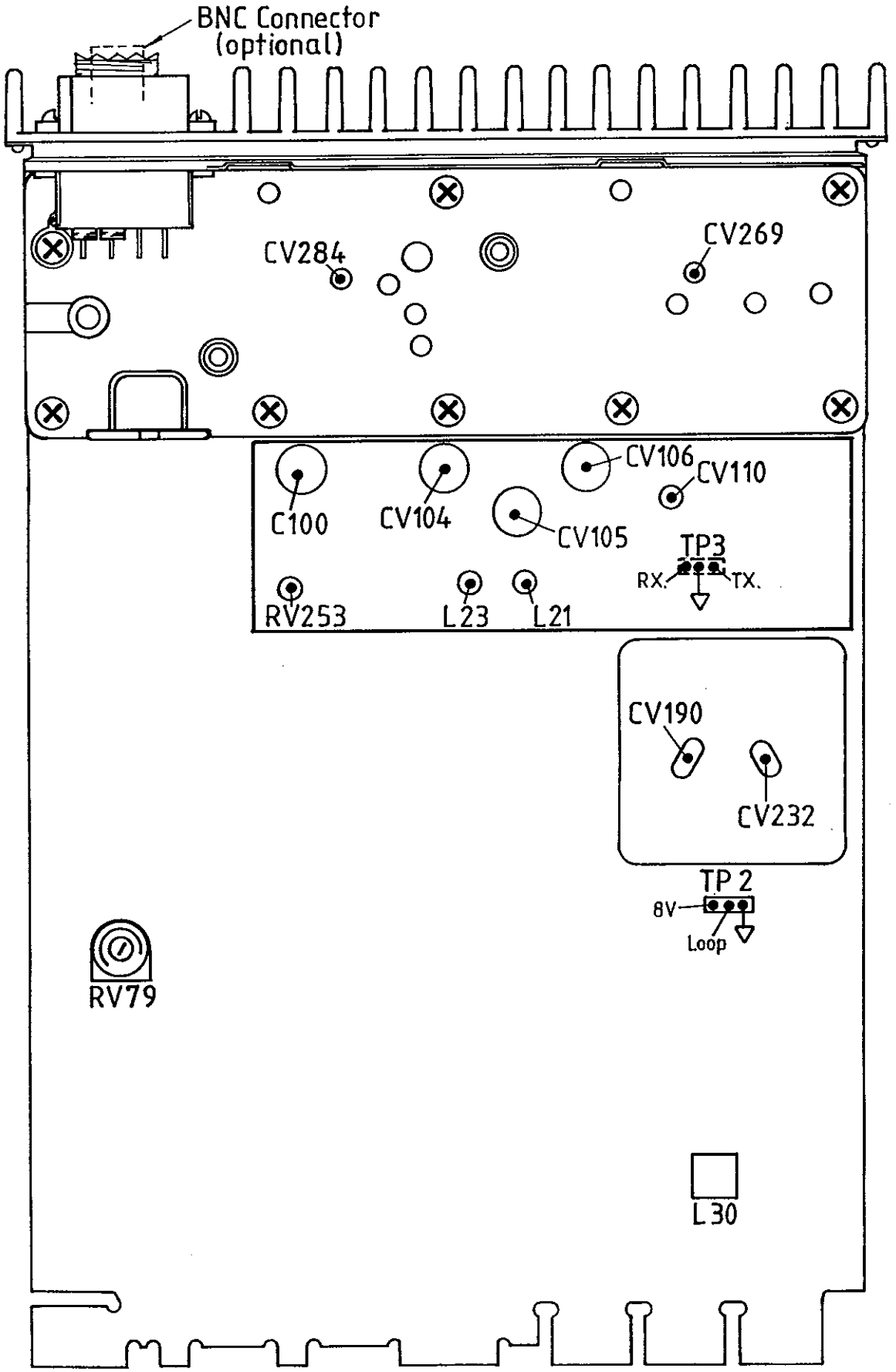


Diagram 3 T555 Tuning Points

220-01113-01 A

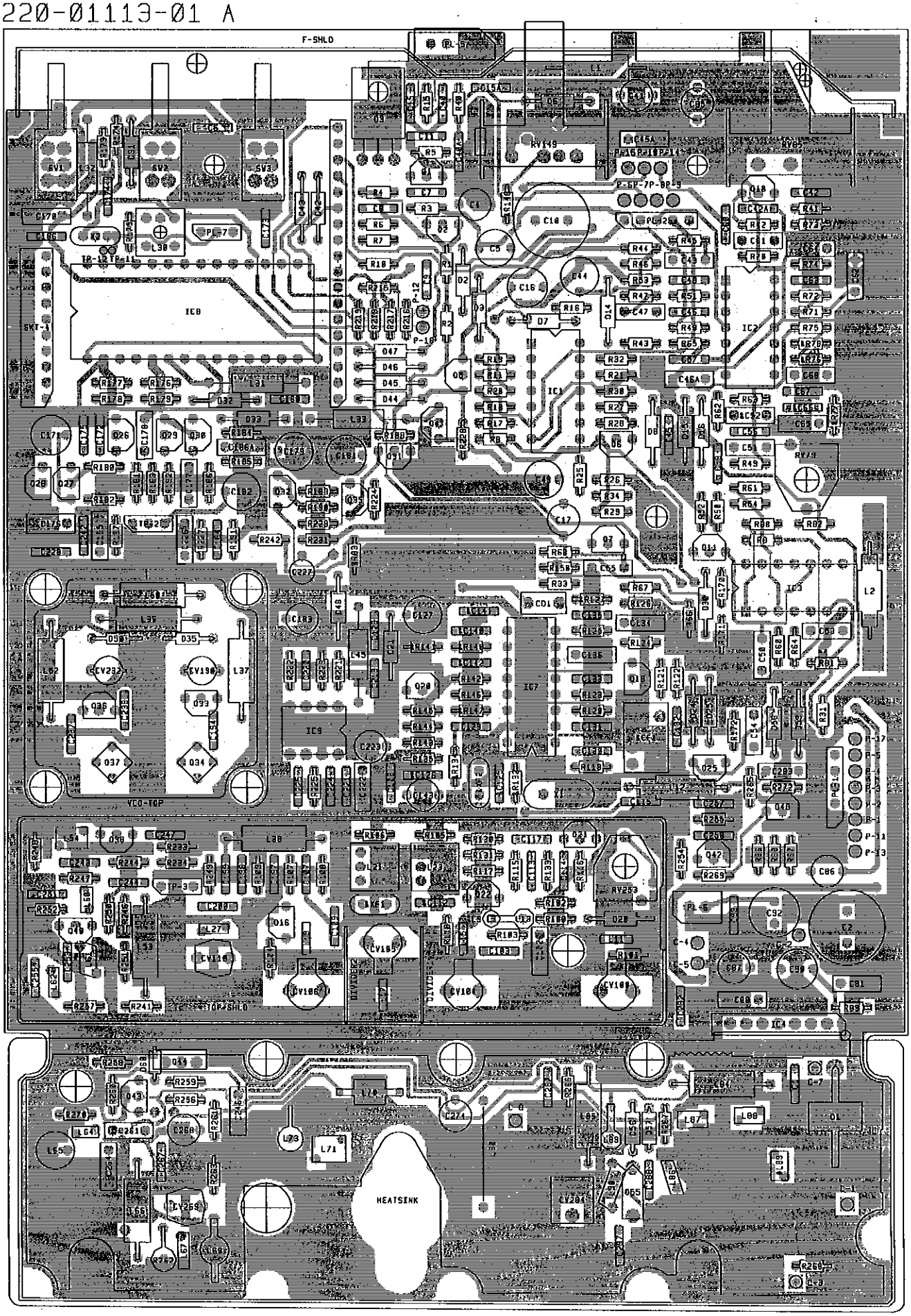


DIAGRAM 4 - T555 PCB LAYOUT - TOP SIDE.

220-01113-01 A

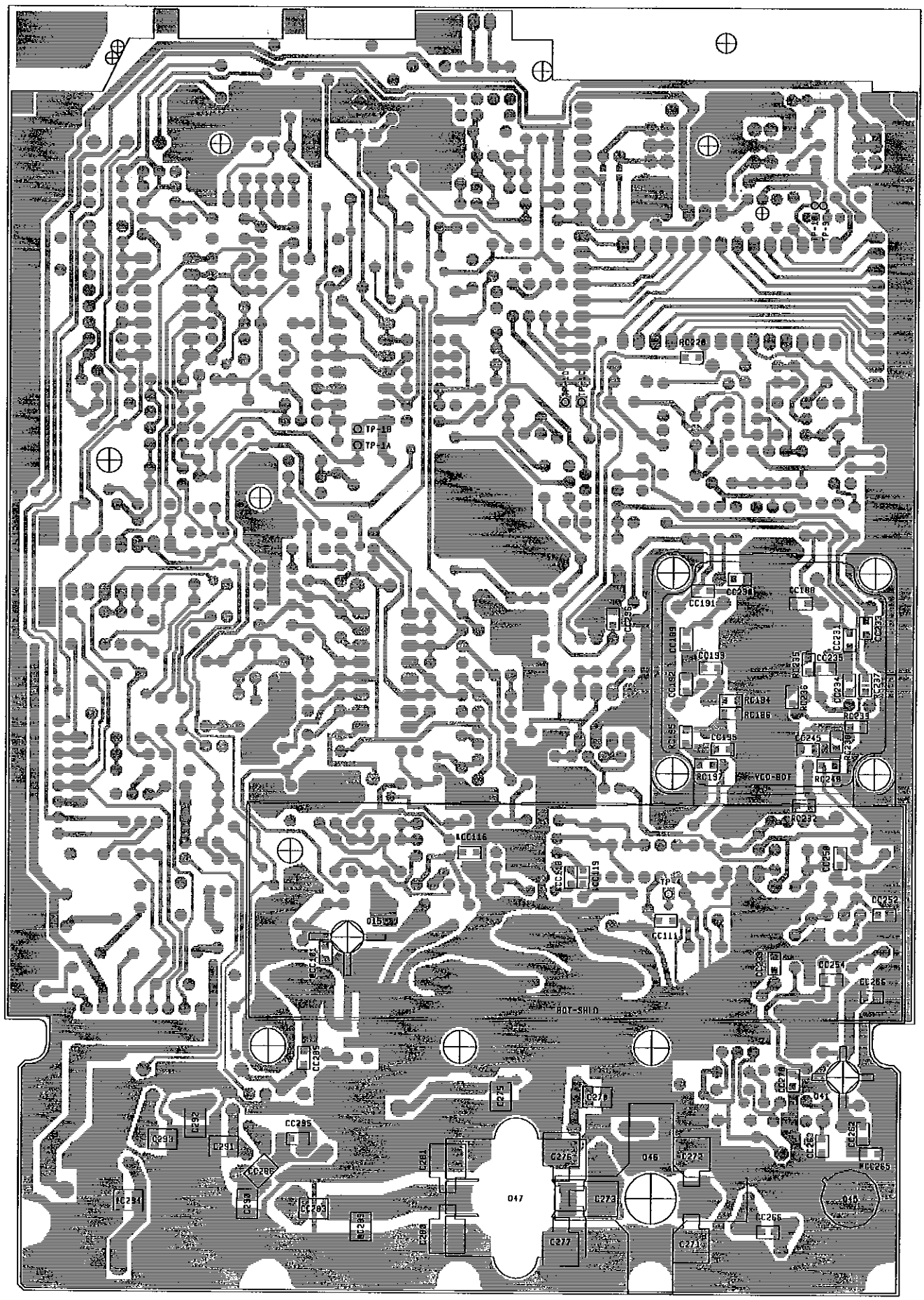


DIAGRAM 5 - T555 PCB LAYOUT - BOTTOM SIDE.

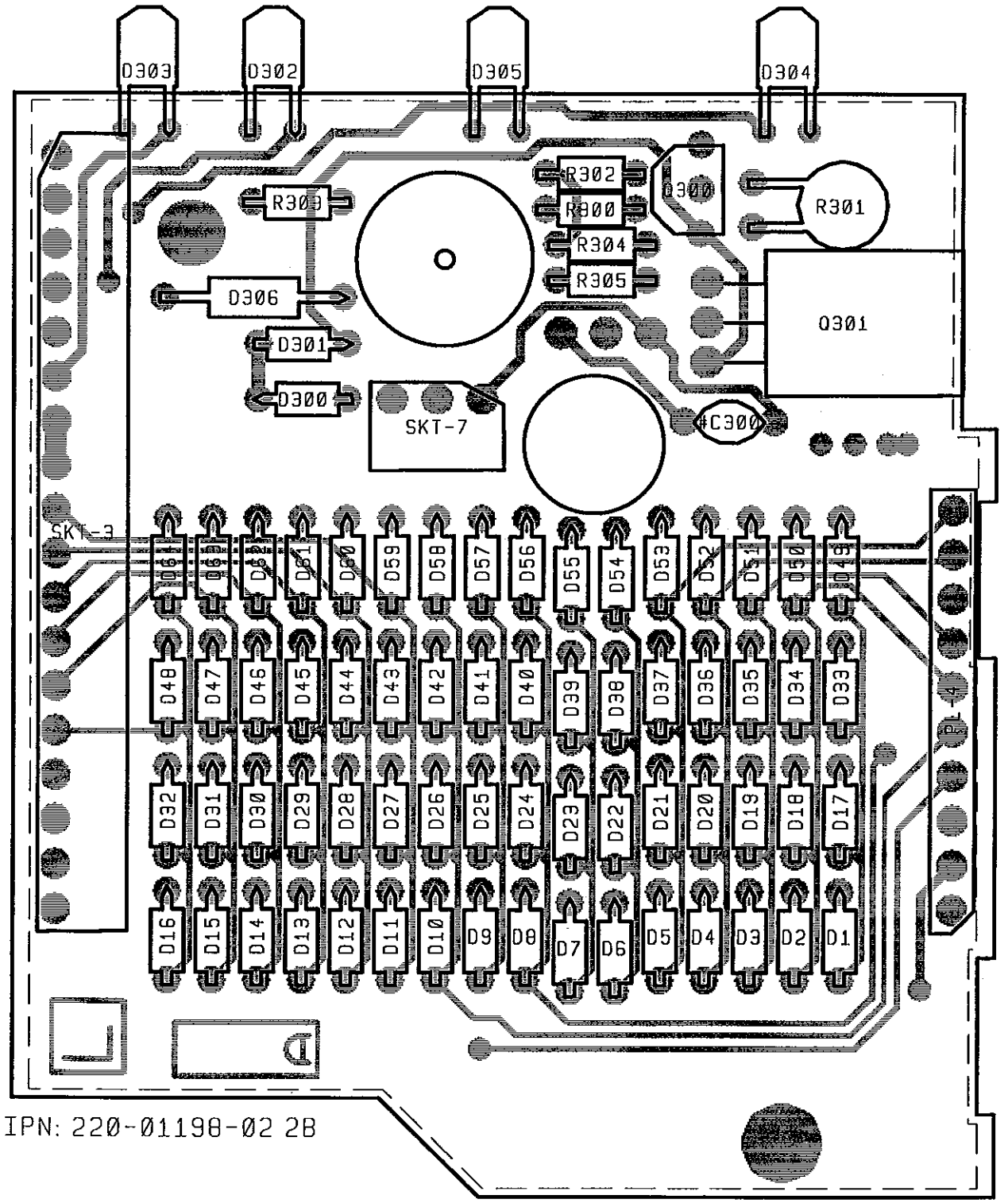


Diagram 6 T500 Diode Matrix/LED/Crystal Heater PCB Layout - Top Side

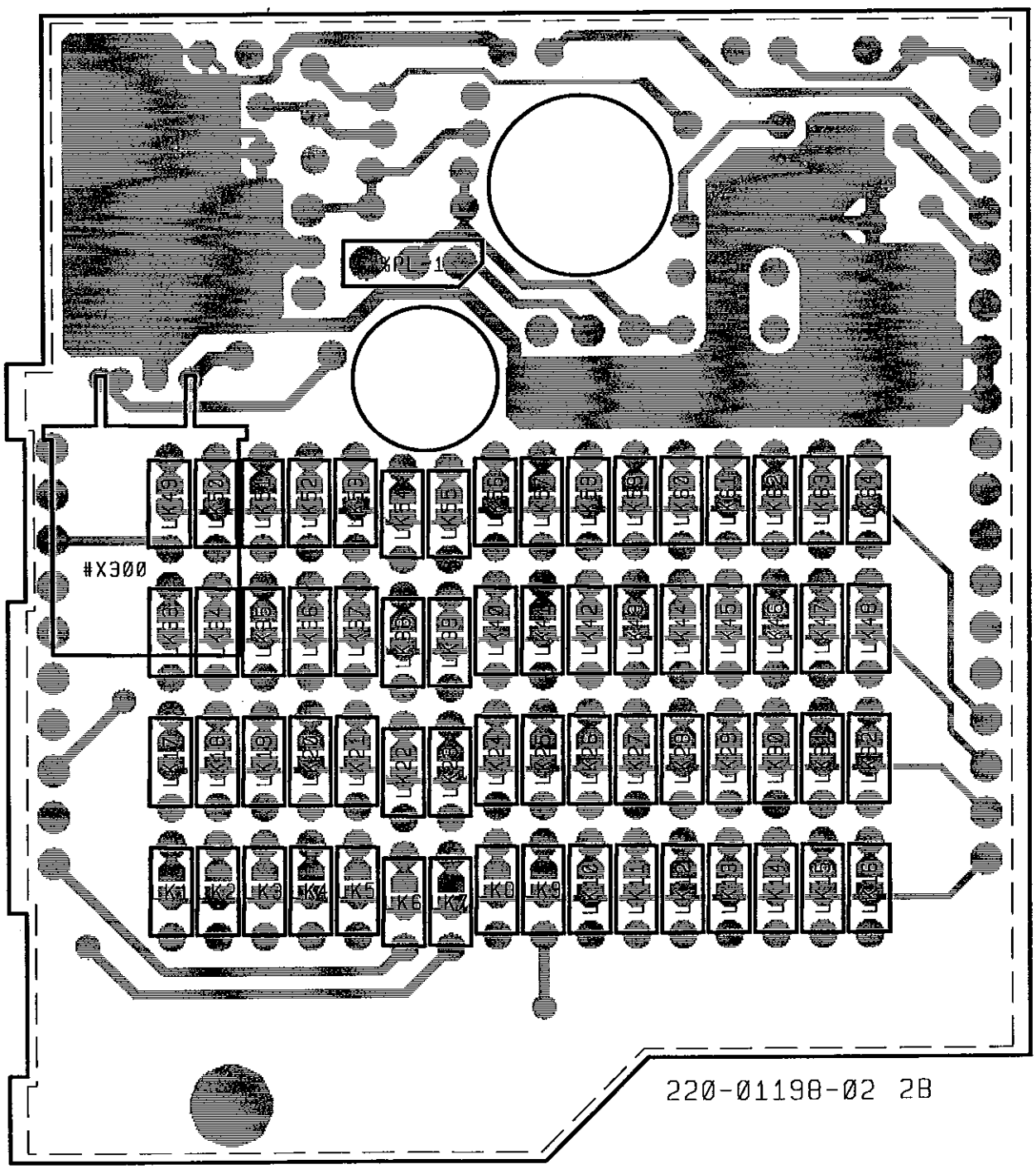


Diagram 7 T500 Diode Matrix/LED/Crystal Heater PCB Layout - Bottom Side

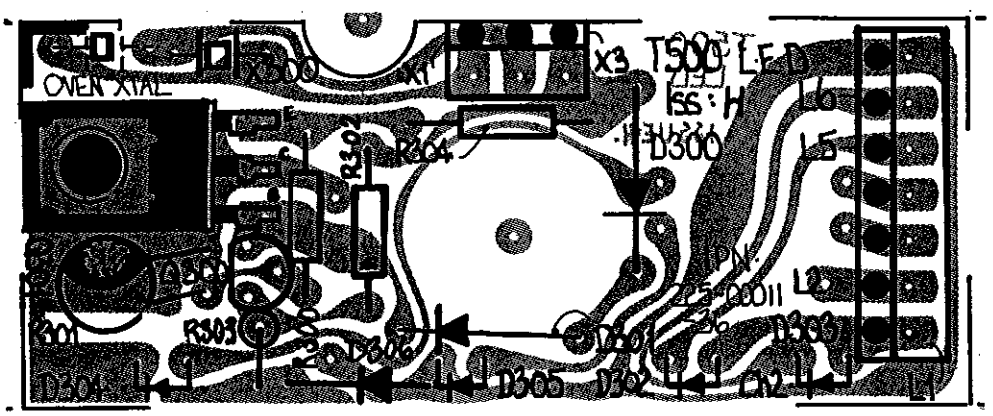
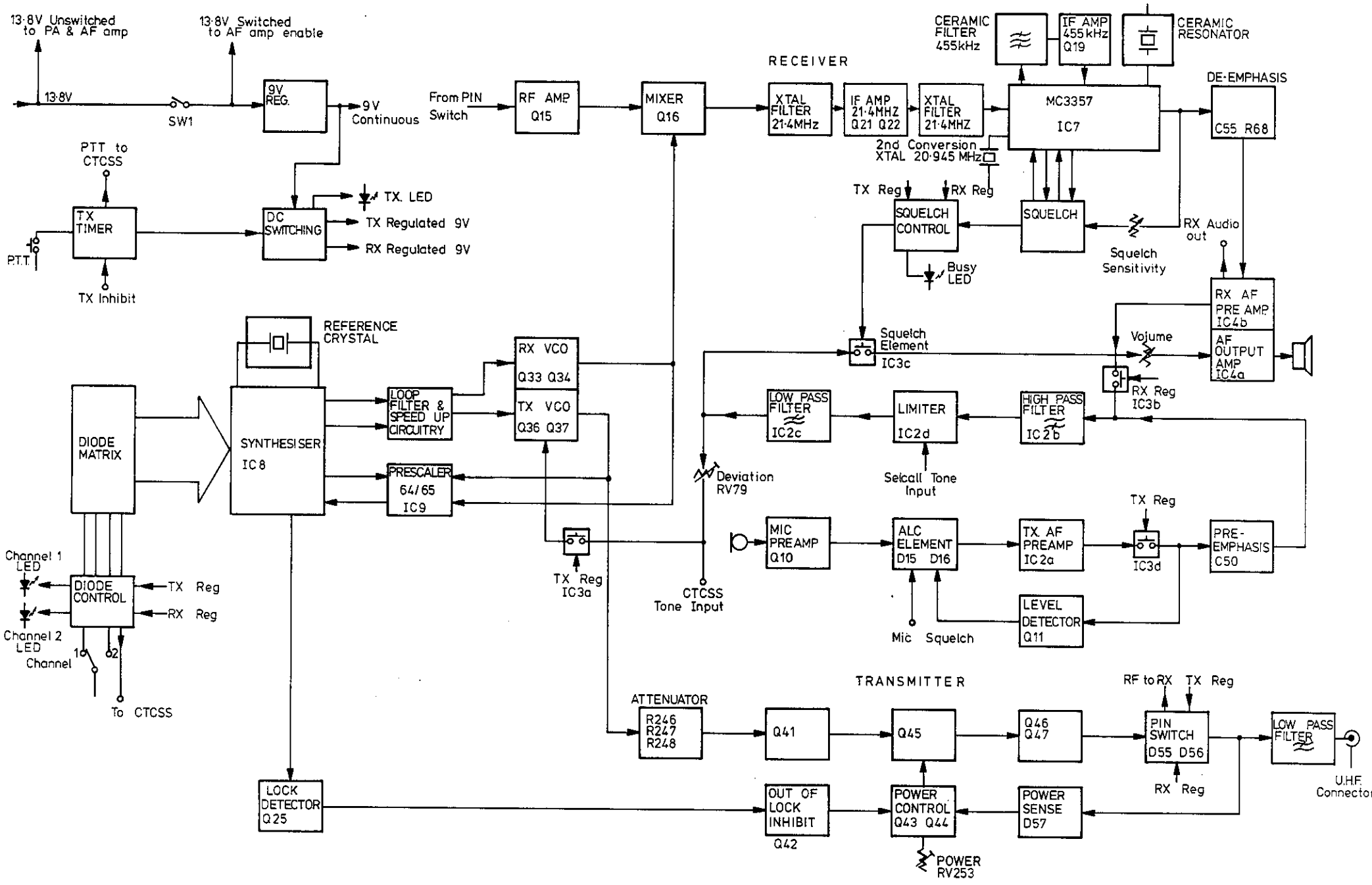


Diagram 8 T500 LED & Crystal Heater PCB Layout



ISSUE	AMENDMENTS	DRN.	CHKD	APVD	DATE
A					

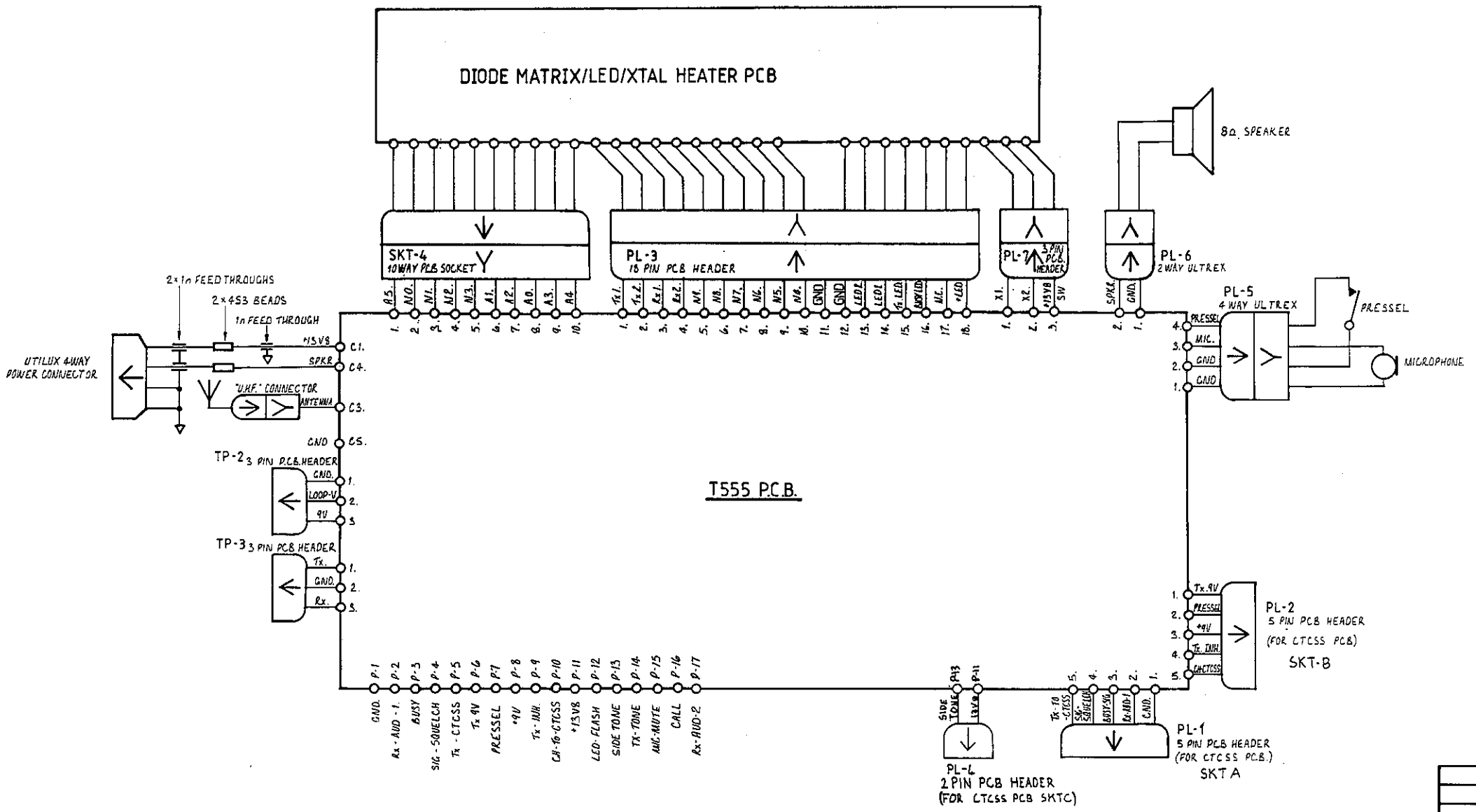
ISSUE	AMENDMENTS	DRN.	CHKD	APVD	DATE

BLOCK DIAGRAM T555

TAIT ELECTRONICS Ltd.
Christchurch New Zealand

DRAWING NUMBER A2C 609

ISSUE A



SCALE: x Full Size
MATERIAL:
FINISH:
GEN LIMITS:

THIRD ANGLE PROJECTION

ARTWORK	IPN	USED ON
	T555	

ISSUE	AMENDMENTS	DRN	CHKD	APVD	DATE
A	ORIGINAL	[illegible]	[illegible]	[illegible]	16-7-87

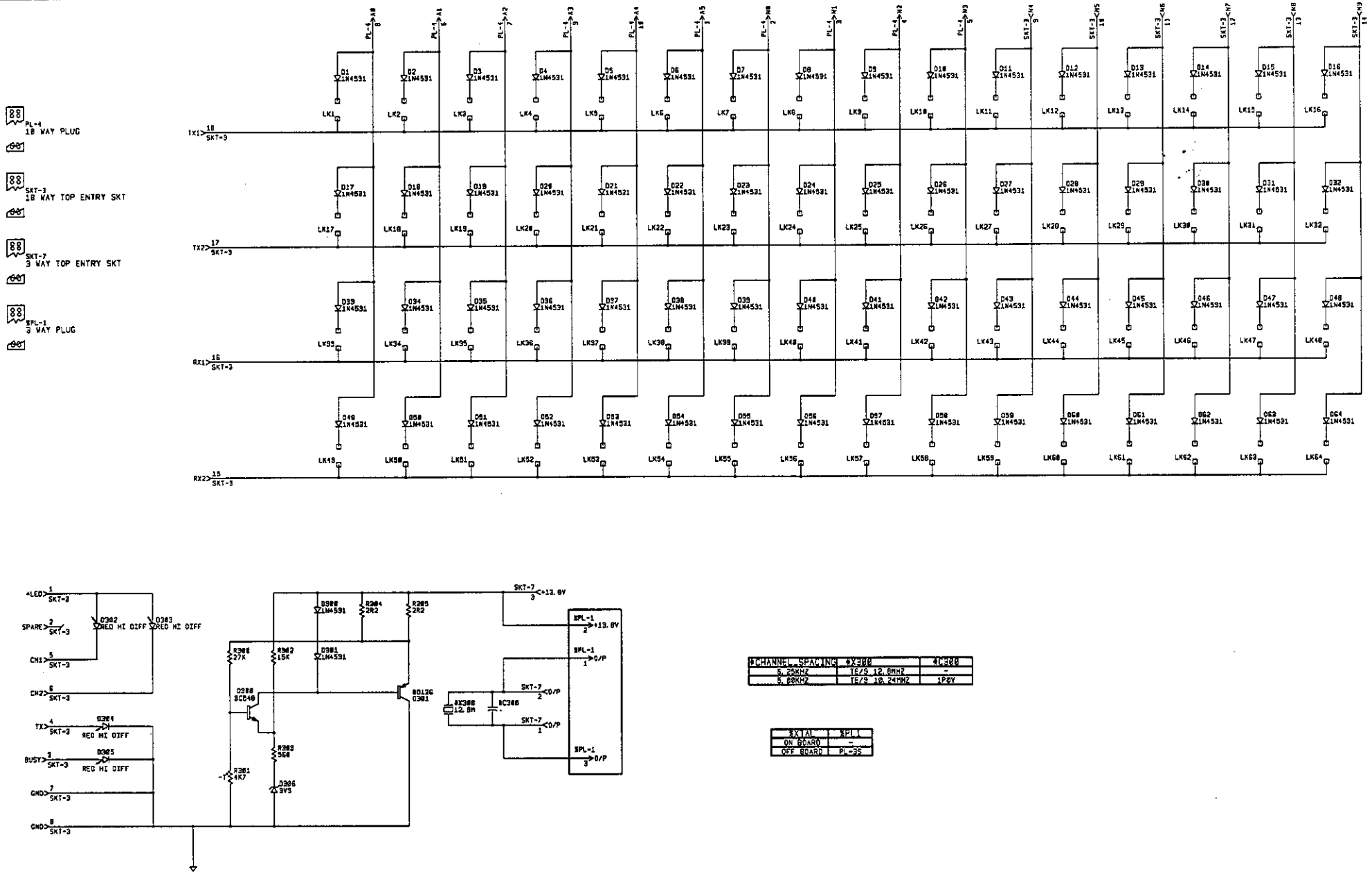
ISSUE	AMENDMENTS	DRN	CHKD	APVD	DATE

T555 WIRING DIAGRAM

TAIT ELECTRONICS Ltd.
Christchurch New Zealand

DRAWING NUMBER A2 C620

ISSUE A



#CHANNEL SPACING	#X300	#C300
6.25KHZ	TE/9 12.8MHZ	-
5.00KHZ	TE/9 10.24MHZ	1P8V

#XTAL	#PLL
ON BOARD	-
OFF BOARD	PL-9S

ISSUE:	AMENDMENTS:	DRAWN:	CHKD:	APVD:	DATE:
2A	CHAN 81/82-614	MNC			
1B	GENERATED ASSEMBLY DRAWINGS	DJW	JH	JH	08/02/91
A	UPDATE TO ISSUE A	DJW	JH	JH	17/12/90
P1	UPDATE FOR ISSUE P1	DJW			
TS8	AMALGAMATION OF HEATER, DIODE AND LED BOARDS	DEC			

TITLE

T500

DIODE MATRIX, LED, XTAL HEATER

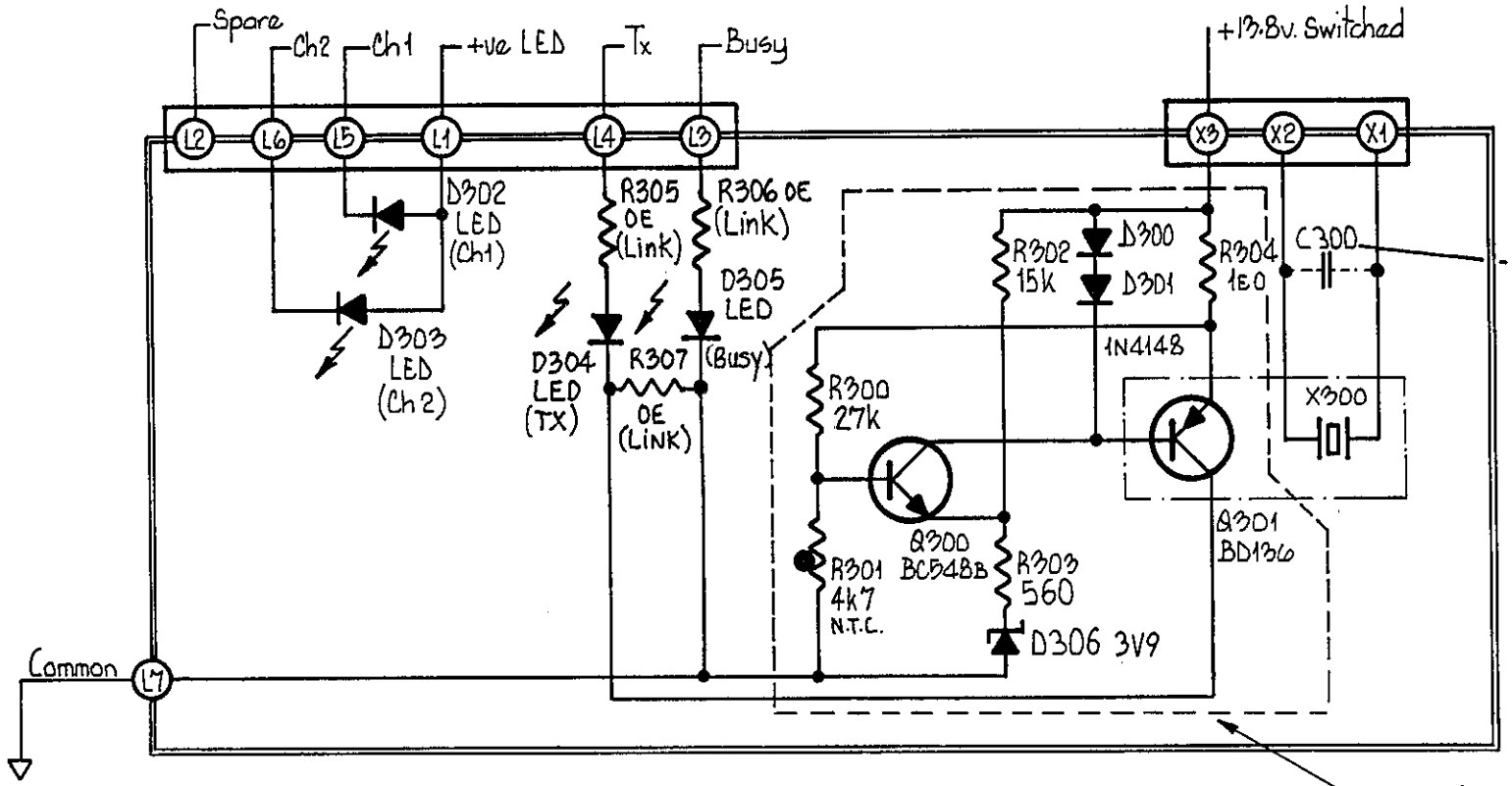
TAIT ELECTRONICS NEW ZEALAND

DRAWING NO: C726 SHEET 1 OF 1

IPN: 220-01198-02

FILE NAME: 500TOL2A FILE DATE: 14/11/91

ISSUE 2A



CH. SPACE	X300	C300
6.25 KHz	12.8	not fitted
5kHz	10.24	1p0

ISS	AMENDMENTS	DRN	CHKD	APVD	DATE
E	ChN: 86-12-379	Jackie 18.6.B	S.C	S.C.	19.1.87
F	Ch/N 88/05-227		WM	S.C.	9.5.88

SCALE :
MATERIAL :
FINISH :
GEN. LIMITS :

ISS	AMENDMENTS	DRN	CHKD	APVD	DATE
A	ORIGINAL	W.W.	MM	S.C.	30-11-84
B	Ch/N 85/08 304, 09 353 TO 374, 10 384	D.H.	H.O.	S.C.	21.10.85
C	ChN: 86-07-175	Jackie	D.C.	S.C.	5.3.86
D	ChN: 86-07-165	Jackie	[illegible]	S.C.	7.10.86

USED ON
T510
T520
T530
T540
T550

IPN

CIRCUIT DIAGRAM — T500/LED & OPTIONAL CRYSTAL HEATER.

TAIT ELECTRONICS LTD.

DRAWING NUMBER A4 C509

ISSUE A B C D E F

DO NOT SCALE OFF DRAWING

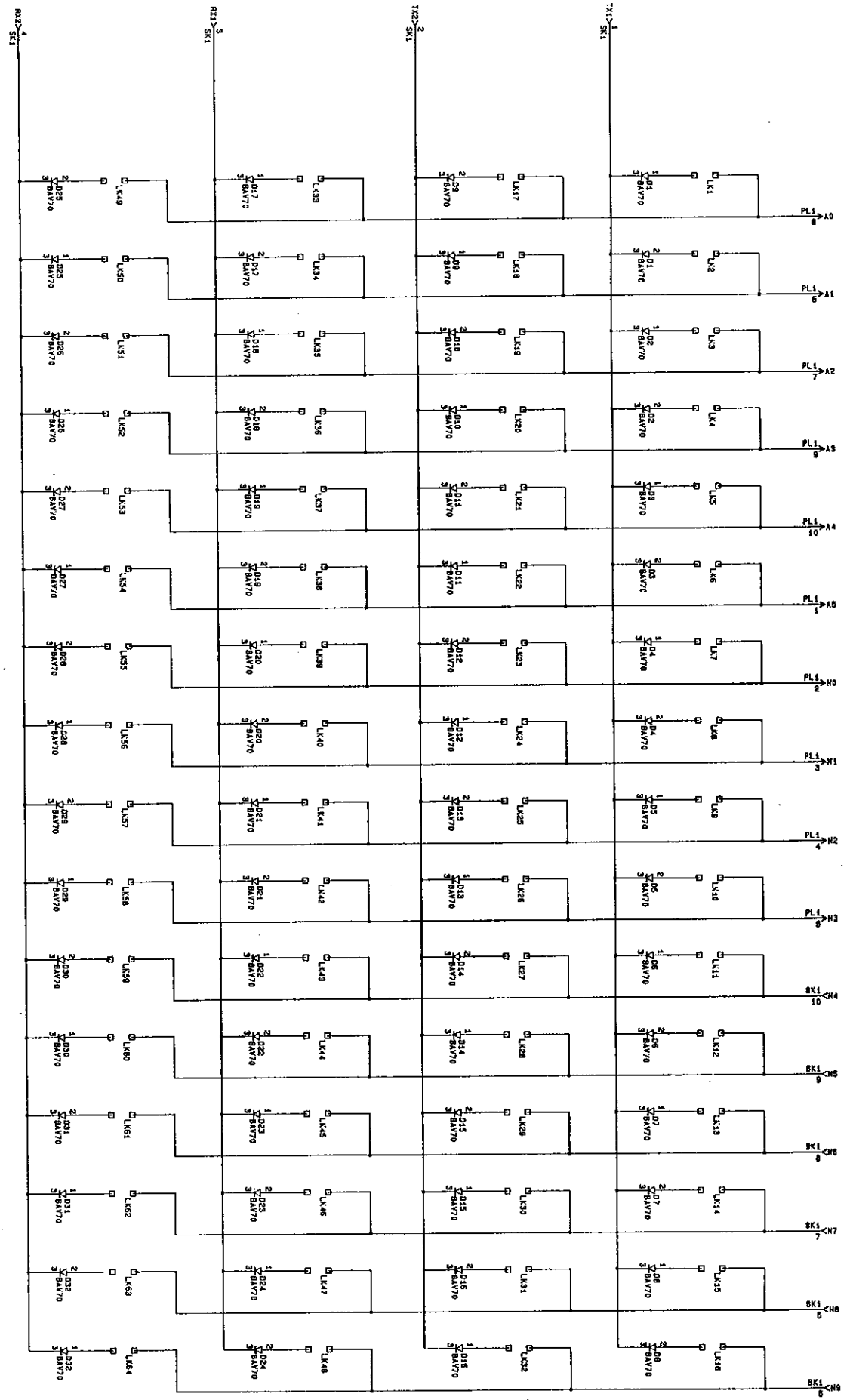


Diagram 13 T500-22 Diode Matrix Circuit Diagram