

Service Manual

Telephone Equipment

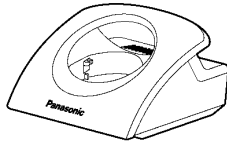
RCID Caller ID Compatible



KX-TCA154RUM/RUT
(CORDLESS HANDSET)



KX-TCD540RUM/RUT
(BASE UNIT)



(CHARGER UNIT)

KX-TCD540RUM
KX-TCA154RUM
KX-TCD540RUT
KX-TCA154RUT

Digital Cordless Answering System

Metallic Grey Version

Titanium Black Version

(for Russia)

Configuration for each model

Model No	Base Unit	Cordless Handset	Charger Unit
KX-TCD540	1	1(TCA154)	1
KX-TCA154		1	1

KX-TCA154 is also an optional accessory, which contains a cordless handset and a charger.

SPECIFICATION

Standard:	DECT= (Digital Enhanced Cordless Telecommunications) GAP=(Generic Access Profile)	Power source:	AC Adaptor (220 V - 240 V AC, 50 Hz)
Number of channels:	120 Duplex Channels	Power consumption, Base Unit:	Standby: Approx. 2.6 W/Maximum: Approx. 9.2 W
Frequency range:	1.88 GHz to 1.9 GHz	Charger Unit:	Standby: Approx. 2.3 W/Maximum: Approx. 6.8 W
Duplex procedure:	TDMA (Time Division Multiple Access)	Battery life, Cordless Handset (if batteries are fully charged):	Stand-by: Up to 180 hours (Ni-MH) Talk: Up to 10 hours (Ni-MH)
Channel spacing:	1728 kHz	Operating conditions:	5 - 40 °C, 20 - 80 % relative air humidity (dry)
Bit rate spacing:	1152 kbit/s	Dimensions, Base Unit (D x W x L):	53 mm x 205 mm x 197 mm
Modulation:	GFSK= (Gaussian Frequency Shift Keying)	Dimensions, Cordless Handset (D x W x L):	143 mm x 48 mm x 32 mm
RF Transmission Power:	approx. 250 mW	Dimensions, Charger Unit (D x W x L):	60 mm x 86 mm x 84 mm
Voice coding:	ADPCM 32 kbit/s	Weight, Base Unit:	about 670 g
Operation range:	Up to 300 m outdoors, Up to 50 m indoors	Weight, Cordless Handset:	about 125 g
Analog telephone connection:	Telephone Line	Weight, Charger Unit:	about 113 g
		Connection jack:	RJ11 Plug

Specifications are subject to change.

The illustrations used in this manual may differ slightly from the original device.

IMPORTANT INFORMATION ABOUT LEAD FREE, (PbF), SOLDERING

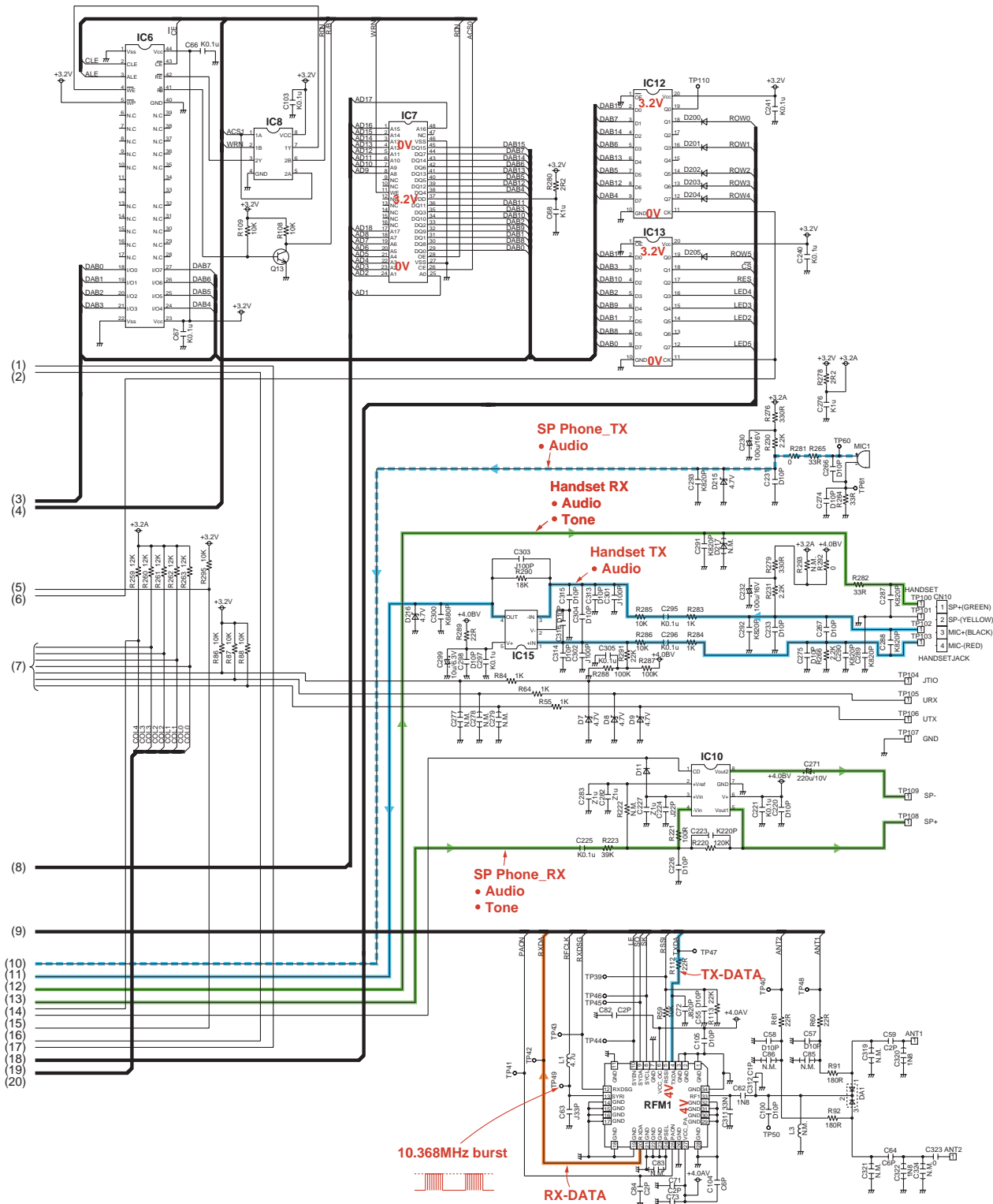
If lead free solder was used in the manufacture of this product the printed circuit boards will be marked PbF.

Standard leaded, (Pb), solder can be used as usual on boards without the PbF mark.

When this mark does appear please read and follow the special instructions described in this manual on the use of PbF and how it might be permissible to use Pb solder during service and repair work.

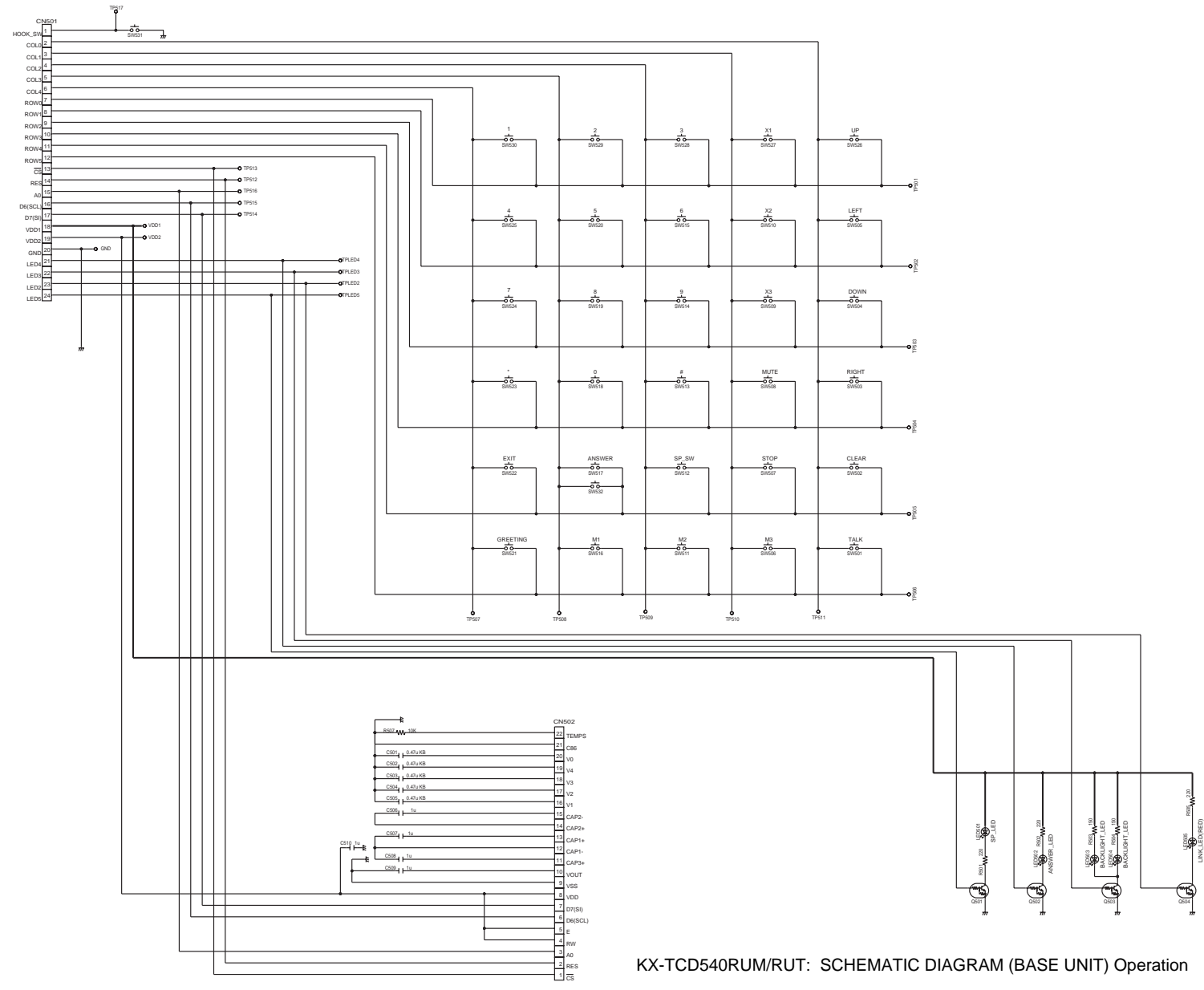
Panasonic

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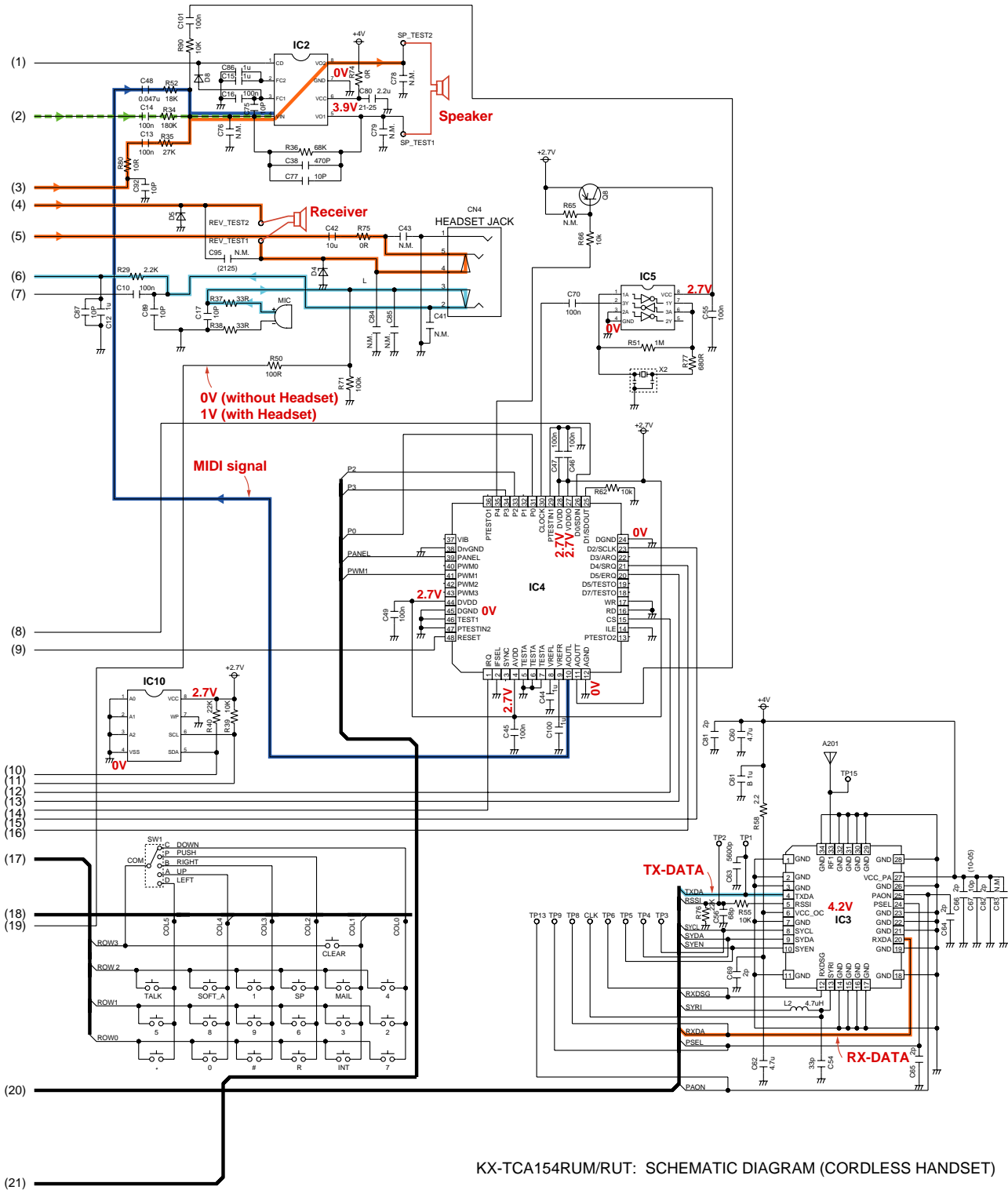


KX-TCDS40RUM/RUT: SCHEMATIC DIAGRAM (BASE UNIT)

38.2. Operation



KX-TC540RUM/RUT: SCHEMATIC DIAGRAM (BASE UNIT) Operation



KX-TCA154RUM/RUT: SCHEMATIC DIAGRAM (CORDLESS HANDSET)