RF-UNIT

J1501

J2003

13.6V
13.6S
DISC
A/T
BEEP
AF_MOD
TC
REF_MOD
AF

Q2014
M62364FP

CLOCK
DCS_E
DSTB

CH1 TX_POWER RX_TUNE
CH2 BEEP_LEVEL
CH3 AF_MOD
CH4 TEMP_CTRL
CH5 REF_VR
CH6 AF
CH7 D/L_M
CH8 MIC_GAIN

VR2001 20KA/SW SW

Q2021 NJM2902V BIAS
DTMF
Q2022 NJM2902V LPF

DTMF_ENCODE

(J2002) OPTYPESTB
(J2002) MICIN

Q2015 NJM2902V PRE-EMP
Q2024 BU4066BF SW
Q2017 LA8630M COMPRESSOR

AMP
TX/RX SW
SW
LIMTTER
SPLATTER
AMP

DISC
(J2003)
AMP
TX/RX SW
BPF
SMF
TSQVR
CTCSS OSC

TSQ LPF
TSQ HPF
DCS SW
TX/RX SW
TSQ DETECTOR
TONDET

Q2016
AK2345

TSTB
CLOCK
DCS_E
M_CL

MICIN
OPTYPESTB
AFIN
AFOUT

Q2015 NJM2902V DISC_AMP
Q2021 NJM2902V DCS_DECODE
DCS_D

J2002

M62364FP DATA
CLOCK
DSTB
DCS_E

AK2345 DATA
DCS_E
TSTB
CLOCK

SA7025DK DATA
P_E
P_D
P_C

SEL
PTT
HOOK
RXD/KS2
TONDET
CTCSS_O
DSQ_LL
RSSI
PSK_D
TRES
VRIN

Q2013

DTMF
W/N
TX_ON
RX_ON
H_L
CPMT
TX_LED
RX_LED
LCNT
TXD/KS1

KEY1
KEY2
KEY3

X2001
3.6864MHz
M_CL

DS2001
TTR3165UPFDCW
LCD DISPLAY

Q2011

EEPROM

Q2003
S-80735SN
-DZ
VOL_CHECK

13.6S
PD

SFT

Q2007
2SC4617-R
CLOCK_SHIFT

RES
Q2004
2SC4617-R
RESET

5V
9V
Q2006
NJM78L05UA
REGULATOR

5V
VR2001
20KA/SW
VOLUME
VRIN

D2004
D2033
BAPG1211C
TX_LED

Q2025
RT1N241M
SW

TX_LED

D2004
D2033
BAPG1211C
RX_LED

Q2010
RT1N241M
SW

RX_LED

D2006
D2008
TLOU262
BACK_LIGHT

Q2008
RT1N241M
LIGHT_CTRL

LCNT

Q2015 NJM2902V MIX
Q2024 BU4066BF AF_SW
W/N

Q2015 NJM2902V PSK_DET
PSK_D

Q2024 BU4066BF AF_SW
AFIN
AFOUT
(J2002) (J2002)

Q2021 NJM2902V LPF
Q2020 2SC4617-R AMP
DCS_E

Q2019
Q2024
PDTC144TE
BU4066BF
SW

Q2017
LA8630M
EXPANDER

Q2022
NJM2902V
MIXER

Q2009
RT1N241M
SW

SEL

Q2005
2SC4617-R
SW

SEL
TXD/KS1

J2001

8 CL_DATA
7 CL_SW
6 +9V
5 GND
4 MIC
3 PTT
2 NC
1 HOOK

9V
MIC
PTT
HOOK

Q2022
NJM2902V
MIC AMP

SEL
Q2001
2SC4617-R
SW
RES

SEL
Q2002
2SC4617-R
SW
RXD/KS2

PANEL-UNIT

FR007630*

OPTION BOARD

RX
TX
CNTL
OTHERS

CIRCUIT DIAGRAM	MODEL VX-2500U
DES. B-AC031U000	PANEL-UNIT/BLOCK-DIAGRAM
REF. BP0102000.cir/001.sht	EDITION
DATE 5 SEP. 2001	UPDATE 16 OCT., 2001
VERTEX STANDARD CO., LTD.	