

VX-7100-G7-45/VX-7200-G7-45

Component Applications

| Address | Device name | Description | Application |
|--------------------|------------------|--------------------|---|
| [MAIN-UNIT] | | | |
| Q 1001 | Transistor | DTC114TE TL | DTMF Decode INPUT SW |
| Q 1002 | Transistor | DTC144EE TL | TX VCO SW |
| Q 1003 | IC | 2SC3356-T2B R24 | TX Buff AMP |
| Q 1004 | IC | NJM7808DL1A(Te1) | 8V Regulator |
| Q 1005 | Transistor | DTC144EE TL | XF SW |
| Q 1006 | FET | RTQ030P02 | DC SW |
| Q 1007 | Transistor | DTA144EE TL | DC SW |
| Q 1008 | Transistor | DTC144EE TL | XF SW |
| Q 1009 | Transistor | DTC144EE TL | AF AMP MUTE SW |
| Q 1010 | FET | RTQ030P02 | TX8V DC SW |
| Q 1011 | Transistor | DTC114TE TL | DC SW |
| Q 1012 | Transistor | DTC144EE TL | IGNITION SENSOR DC SW |
| Q 1013 | Transistor | UMG2N TR | TRX SW |
| Q 1014 | IC | CD4053BPWR | Pre-Emphasis SW/EXT AF OUT Normal/Flat Select SW/PA SW |
| Q 1015 | FET | RTQ030P02 | DC SW |
| Q 1016 | IC | CD4053BPWR | FRONT/EXT MIC SW/Normal/Flat SW/ADJ AF/DTMF SW |
| Q 1017 | Transistor | UN911F-(TX) | RX5V DC SW |
| Q 1018 | Transistor | DTC144EE TL | TX8V Protection |
| Q 1019 | Transistor | DTC114TE TL | RX5V Protection |
| Q 1021 | IC | LA8630M-B-TE-R | Compandor IC |
| Q 1022 | Transistor | 2SC3356-T2B R25 | RF AMP |
| Q 1023 | Transistor | DTC144EE TL | DC SW |
| Q 1024 | Transistor | DTC144EE TL | Compandor ON/OFF SW |
| Q 1025 | Transistor | 2SC4617 TL R | HOOK/FLASH Write Select SW |
| Q 1026 | Transistor | 2SC4617 TL R | CLONE DATA/FLASH Write Select SW |
| Q 1027 | Transistor | 2SC4617 TL R | PTT/FLASH Write Select SW |
| Q 1028 | Power Module | RA45H4452M-01 | TX Power AMP |
| Q 1029 | IC | M62364FP 600D | D/A |
| Q 1030 | Transistor | DTC144EE TL | CLONE SW |
| Q 1031 | Transistor | DTA124EE TL | CLONE SW |
| Q 1032 | Transistor | DTC144EE TL | RX Emphasis SW |
| Q 1033 | Transistor | DTC144EE TL | Power OFF SW |
| Q 1034 | IC | BD6111FV-E2 | -5V Regulator |
| Q 1035 | IC | SPM5001 | Mixer IC |
| Q 1036 | IC | NJM2125F | -VCV Control |
| Q 1037 | IC | AK2345 | Base Band IC |
| Q 1038 | Transistor | 2SC5226-4-TL | VCO Buff AMP |
| Q 1039 | IC | TDA1519CTH | AF Power AMP |
| Q 1040 | Transistor | DTA124EE TL | AD SW |
| Q 1041 | Transistor | 2SC4617 TL R | AMP |
| Q 1042 | Transistor | NJM2904V-TE1 | DCS Filter |
| Q 1044 | Transistor | 2SA1774 TL R | Ripple Filter |
| Q 1045 | Transistor | DTC114TE TL | MAIN/SUB BAND SW |
| Q 1046 | Transistor | 2SC3356-T2B R24 | IF AMP |
| Q 1047 | Transistor | DTC144EE TL | TX VCO SW |
| Q 1049 | Transistor | 2SC5226-4-TL | VCO Buff AMP |
| Q 1051 | Transistor | DTC144EE TL | Unlock Detector |
| Q 1053 | Transistor | DTC144EE TL | RX VCO SW |
| Q 1054 | Transistor | 2SK508-T2B K52 | RX VCO OSC |
| Q 1055 | Transistor | DTC144EE TL | Buff AMP SW |
| Q 1057 | Transistor | 2SC5226-4-TL | Buff AMP |
| Q 1058 | Transistor | 2SC4226-T2B R24 | TX VCO OSC |
| Q 1059 | Transistor | 2SC5226-4-TL | IF AMP |
| Q 1060 | IC | TAR5S35(Te85L) | 3.5V Regulator |
| Q 1061 | Transistor | XN1501-(TX) | 5V Regulator |
| Q 1062 | Transistor | 2SB1201S-TL | 5V Regulator |
| Q 1063 | IC | CD4066BPWR | OPTION SW/DTMF Decode INPUT SW/De-emphasis SW |
| Q 1064 | IC | LC73881M-TLM | DTMF Decode IC |
| Q 1065 | IC | S-80835CNMC-B8U-T2 | RESET IC |
| Q 1066 | Quadruple OP-AMP | NJM12902V(Te1) | EXT MIC AMP/EXT AF AMP/EXT RSSI AMP/FRONT MIC AMP |
| Q 1067 | Transistor | 2SC4617 TL R | Ripple Filter |
| Q 1068 | IC | CD4066BPWR | EXT MIC GAIN Select SW/Compandor SW/ AF MUTE/De-emphasis SW |
| Q 1069 | IC | TAR5S50(Te85L) | 5V Regulator |
| Q 1070 | Transistor | DTC144EE TL | SUB BAND SW |
| Q 1071 | FET | 3LN01S-TL | D-SUB Connector SW |
| Q 1072 | Transistor | 2SC4617 TL R | RESET |
| Q 1073 | Transistor | DTC144EE TL | D-SUB Connector SW |
| Q 1074 | Quadruple OP-AMP | NJM12902V(Te1) | VCO MOD AMP/REF MOD AMP/RX TUNE DC AMP/BIAS |
| Q 1075 | Transistor | DTC114TE TL | Clock Shift |
| Q 1076 | Quadruple OP-AMP | NJM12902V(Te1) | 5TONE Decode/DCS Decode |
| Q 1077 | FET | 3LN01S-TL | D-SUB Connector SW |
| Q 1078 | FET | 2SK880GR TE85R | VCV Buff AMP |

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| Q 1079 | IC | TA31136FN(EL) | IF System IC |
| Q 1080 | IC | BR93L66RFVM-WTR | EEPROM |
| Q 1081 | Transistor | DTC144EE TL | D-SUB Connector SW |
| Q 1082 | FET | 3LN01S-TL | D-SUB Connector SW |
| Q 1083 | CPU | LC87F5BP6A | CPU |
| Q 1084 | Transistor | DTC144EE TL | D-SUB Connector SW |
| Q 1085 | IC | SA7025DK | PLL IC |
| Q 1086 | FET | 3LN01S-TL | D-SUB Connector SW |
| Q 1087 | Transistor | DTC144EE TL | D-SUB Connector SW |
| Q 1088 | Quadruple OP-AMP | NJM12902V(TE1) | MIC AMP/RX AF buff AMP/Frequency Control DC AMP |
| Q 1089 | Quadruple OP-AMP | NJM12902V(TE1) | Reverse Tone/DCS/Reverse Tone Decode |
| Q 1091 | Transistor | 2SC4617 TL R | SQL Noise AMP |
| Q 1092 | Transistor | DTC144EE TL | Wide/Narrow SW |
| Q 1094 | Transistor | 2SC3357-T2 RF | TX Buff AMP |
| Q 1095 | Quadruple OP-AMP | NJM12902V(TE1) | APC |
| Q 1096 | Transistor | DTC144EE TL | D-SUB Connector SW |
| Q 1097 | Transistor | DTC144EE TL | Power OFF SW |
| Q 1101 | IC | TC4W66FU TE12L | AD SW |
| Q 1102 | Transistor | DTA144EE TL | Wide/Narrow SW |
| Q 1103 | Transistor | 2SA1602A-T11-1F | Super Narrow SW |
| Q 1104 | Transistor | 2SC4617 TL R | Super Narrow SW |
| Q 1107 | Transistor | DTA124EE TL | DC SW |
| Q 1108 | IC | LM2902PWR | AMP/Super Narrow Filter |
| Q 1109 | IC | TC4W66FU TE12L | Super Narrow SW |
| D 1001 | Diode | XB15A709A0HR | ANT SW |
| D 1002 | Diode | P6KA18 | Surge Protection |
| D 1003 | Varactor Diode | HVC306B TRU | RX tune |
| D 1004 | Varactor Diode | HVC306B TRU | RX tune |
| D 1005 | Diode | XB15A709A0HR | ANT SW |
| D 1006 | Diode | XB15A709A0HR | ANT SW |
| D 1007 | Diode | 1SS400 TE61 | Surge Protection |
| D 1008 | Varactor Diode | HVC306B TRU | RX tune |
| D 1009 | Varactor Diode | HVC306B TRU | RX tune |
| D 1010 | Diode | BAS316 | Protection |
| D 1011 | Diode | 1SS400 TE61 | Surge Protection |
| D 1012 | Diode | BAS316 | Temperature Control |
| D 1013 | Diode | HSM88AS TR | APC Voltage Detect |
| D 1014 | Diode | HSM88AS TR | APC Voltage Detect |
| D 1015 | Diode | HVC383B | TX VCO Frequency Control |
| D 1016 | Diode | 1SS400 TE61 | Reverse Protection |
| D 1017 | Diode | 1SS400 TE61 | Reverse Protection |
| D 1018 | Diode | HVC383B | TX VCO Frequency Control |
| D 1019 | Zener Diode | UDZS TE-17 5.6B | Protection |
| D 1020 | Diode | HSC277TRF | Wide/Narrow SW |
| D 1021 | Diode | RCCA-201Q43UA | Surge Protection |
| D 1022 | Dual Diode | DAN222 TL | TX/RX SW |
| D 1023 | Diode | 1SS400 TE61 | Reverse Protection |
| D 1024 | Dual Diode | DA221 TL | Limiter |
| D 1025 | Diode | 1SS400 TE61 | Reverse Protection |
| D 1026 | Dual Diode | DA221 TL | Protection |
| D 1027 | Diode | BAS316 | Protection |
| D 1029 | Dual Diode | DA221 TL | Limiter |
| D 1030 | Diode | HVC383B | Modulator |
| D 1033 | Diode | 1SS400 TE61 | Reverse Protection |
| D 1035 | Diode | 1SV282(TPH3) | RX VCO Frequency Control |
| D 1036 | Diode | 1SV282(TPH3) | RX VCO Frequency Control |
| D 1037 | Diode | 1SV282(TPH3) | RX VCO Frequency Control |
| D 1039 | Diode | 1SV282(TPH3) | RX VCO Frequency Control |
| D 1043 | Diode | HVC383B | TX VCO Frequency Control |
| D 1044 | Dual Diode | DA221 TL | RESET |
| D 1045 | Dual Diode | DAN222 TL | MAIN/SUB BAND SW |
| D 1046 | Diode | HVC383B | TX VCO Frequency Control |
| D 1047 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1048 | Dual Diode | DAN222 TL | MAIN/SUB BAND SW |
| D 1049 | Diode | 1SS400 TE61 | Reverse Protection |
| D 1050 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1051 | Diode | 1SS400 TE61 | Unlock Detector |
| D 1052 | Dual Diode | DAN222 TL | Wide/Narrow SW |
| D 1053 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1054 | Dual Diode | DAN222 TL | Wide/Narrow SW |
| D 1055 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1057 | Dual Diode | DA221 TL | Surge Protection |
| D 1058 | Dual Diode | DA221 TL | Surge Protection |
| D 1059 | Dual Diode | DA221 TL | SQL Noise Detector |
| D 1060 | Dual Diode | DA221 TL | Surge Protection |

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| D 1061 | Dual Diode | DA221 TL | SQL Noise Detector |
| D 1062 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1063 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1064 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1065 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1066 | Zener Diode | UDZS TE-17 16B | Surge Protection |
| D 1067 | Dual Diode | DA221 TL | Noise Detection |
| D 1068 | Diode | 1SS400 TE61 | Reverse Protection |
| D 1070 | Diode | HSC277TRF | Wide/Narrow SW |
| D 1071 | Diode | HSC277TRF | Wide/Narrow SW |
| D 1072 | Diode | HSC277TRF | Wide/Narrow SW |
| D 1073 | Diode | HSC277TRF | Wide/Narrow SW |
| D 1074 | Dual Diode | DA221 TL | Limiter |
| D 1075 | Diode | 1SS400 TE61 | SW |
| D 1076 | Zener Diode | UDZS TE-17 16B | Surge Protection |

| [MODEM-UNIT] | | | |
|--------------|------------------|--------------------|----------------------------|
| Address | Device name | Description | Application |
| Q 7006 | IC | TAR5S50(TE85L) | 5V Regulator |
| Q 7009 | Quadruple OP-AMP | LM2902PWR | AMP |
| Q 7010 | FET | 2SK2035 TE85R | Level Converter |
| Q 7011 | IC | TC74VHCT125AFT(EL) | Level Converter |
| Q 7012 | IC | AK4550VT | AD/DA |
| Q 7014 | FET | 2SK2035 TE85R | Level Converter |
| Q 7015 | IC | TPS76316 | 1.6V Regulator |
| Q 7017 | FET | 2SK2035 TE85R | Level Converter |
| Q 7018 | IC | TMS320VC5410A | DSP |
| Q 7020 | IC | TC7S32FU TE85R | Flash Memory Write Enable |
| Q 7022 | IC | MBM29LV400TC-90 | Flash Memory |
| Q 7024 | IC | TC7W00FU(TE12L) | Flash Memory Output Enable |
| Q 7027 | Transistor | DTC144*** | Not Used |
| Q 7029 | IC | AD73111 | Not Used |
| Q 7030 | IC | TPS76333 | 3.3V Regulator |
| Q 7031 | IC | TPS77433 | Not Used |
| Q 7032 | IC | TPS77415 | Not Used |
| Q 7657 | Transistor | 2SC5107-O(TE85R) | AMP |
| D 7001 | Diode | 1SS355 TE-17 | Option Select |
| D 7002 | Diode | 1SS400 TE61 | Level Converter |

| Address | Device name | Description | Application |
|------------------------|-------------|----------------|----------------------|
| [FRONT-C-UNIT (501CH)] | | | |
| Q 5001 | Transistor | DTC144EE | TX LED SW |
| Q 5002 | Transistor | XP1501 | Dimmer Control |
| Q 5003 | Transistor | CPH6102 | Dimmer Control |
| Q 5004 | Transistor | DTC144EE | BUSY LED SW |
| Q 5005 | Transistor | XP1501 | LCD Contrast Control |
| Q 5006 | Transistor | 2SA1602A | LCD Contrast Control |
| Q 5007 | IC | M5278L09M | 9V Regulator |
| Q 5008 | IC | NJU6624AFG1-03 | LCD Driver |
| Q 5009 | IC | M5278L05M | 5V Regulator |
| Q 5010 | IC | TC4S66F | Emergency MIC SW |
| D 5001 | LED | BRPG1211C | TX/BUSY LED |
| D 5002 | Diode | 1SS400 TE61 | Protection |
| D 5003 | LED | TLOU1020(T14) | LCD Back-light |
| D 5004 | LED | TLOU1020(T14) | LCD Back-light |
| D 5005 | LED | TLOU1020(T14) | LCD Back-light |
| D 5006 | LED | TLOU1020(T14) | KEY Back-light |
| D 5007 | LED | TLOU1020(T14) | KEY Back-light |
| D 5008 | LED | TLOU1020(T14) | KEY Back-light |

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|---------|-------------|-----------------|--------------------|
| D 5009 | Dual Diode | DA204U T106 | Surge Protection |
| D 5010 | LED | TLOU1020(T14) | KEY Back-light |
| D 5011 | LED | TLOU1020(T14) | KEY Back-light |
| D 5012 | LED | TLOU1020(T14) | KEY Back-light |
| D 5013 | Diode | 1SS400 TE61 | Reverse Protection |
| D 5014 | Dual Diode | DA221 TL | Surge Protection |
| D 5015 | Diode | 1SS400 | Reverse Protection |
| D 5016 | Dual Diode | DA204U T106 | Surge Protection |
| D 5017 | Dual Diode | DA221 TL | Surge Protection |
| D 5018 | Diode | 1SS400 TE61 | Reverse Protection |
| D 5019 | LED | TLOU1020(T14) | KEY Back-light |
| D 5020 | Zener Diode | UDZS TE-17 4.3B | Current limiter |

| Address | Device name | Description | Application |
|-----------------------------|-------------|----------------|-------------------|
| [FRONT-D-UNIT (4CH)] | | | |
| Q 4001 | Transistor | DTC144EE TL | TX LED SW |
| Q 4002 | IC | TC4S66F TE85R | Emergency MIC SW |
| Q 4003 | Transistor | DTC144EE TL | BUSY LED SW |
| Q 4004 | IC | CD4094BPWR | PANEL Control |
| Q 4005 | Transistor | DTC144EE TL | P1 Light SW |
| Q 4006 | Transistor | DTC144EE TL | P2 Light SW |
| Q 4007 | Transistor | DTC144EE TL | CH1 Light SW |
| Q 4008 | Transistor | DTC144EE TL | CH2 Light SW |
| Q 4009 | IC | M5278L09M 600C | 9V Regulator |
| Q 4010 | Transistor | DTC144EE TL | CH3 Light SW |
| Q 4011 | Transistor | DTC144EE TL | CH4 Light SW |
| Q 4012 | IC | M5278L05M 600C | 5V Regulator |
| Q 4013 | Transistor | DTC144EE TL | KEY Back-light SW |
| Q 4014 | Transistor | DTC144EE TL | KEY Back-light SW |
| D 4001 | Diode | 1SS400 TE61 | Protection |
| D 4002 | LED | BRPG1211C-TR | TX/BUSY LED |
| D 4003 | Zener Diode | EDZ TE61 5.1B | Surge Protection |
| D 4004 | Zener Diode | EDZ TE61 5.1B | Surge Protection |
| D 4005 | Zener Diode | EDZ TE61 5.1B | Surge Protection |
| D 4006 | Diode | DA221 TL | Surge Protection |
| D 4007 | LED | TLGU1008A | P1 LED |
| D 4008 | LED | TLGU1008A | CH1 LED |
| D 4009 | LED | TLGU1008A | P2 LED |
| D 4010 | LED | TLGU1008A | CH2 LED |
| D 4011 | LED | TLGU1008A | CH3 LED |
| D 4012 | LED | TLGU1008A | CH4 LED |
| D 4013 | LED | TLOU1020(T14) | KEY Back-light |
| D 4014 | LED | TLOU1020(T14) | KEY Back-light |
| D 4015 | LED | TLOU1020(T14) | KEY Back-light |