

**Part List of SD-164**

**1. COVER ASSEMBLY (Part No. : 577-50C-A)**

| PART-NO.  | NAME & DESCRIPTION    |                            |  | Q'TY | REFERENCE-NO |
|-----------|-----------------------|----------------------------|--|------|--------------|
| 421-036-8 | CONNECTOR PLUG        | UG-1094/U(F)               |  | 1    |              |
| 421-414-7 | CONNECTOR             | SCW-12-2(R) SW-2334        |  | 1    |              |
| 427-415-8 | WIRE COXIAL           | SHD-60503                  |  | 1    |              |
| 612-036   | (+)MACHINE SCREW(PH)  | 2X6 ZN-PLAT                |  | 3    |              |
| 613-323   | (+)MACHINE SCREW(BH)  | 3X8 NI-PLAT                |  | 4    |              |
| 71A-061   | COVER UPPER           | ALDC 12                    |  | 1    |              |
| 71A-062   | COVER BOTTOM          | ALDC 12                    |  | 1    |              |
| 761-783-A | HEAT SINK             | CUP T1.0 SN-PLATING        |  | 1    |              |
| 772-295-A | SHIELD CAN            | NSP T0.2                   |  | 1    |              |
| 772-363-A | SHIELD CAN            | NSP T0.2                   |  | 1    |              |
| 772-403   | SHIELD CAN(FORCOVER)  | NSP T0.3                   |  | 1    |              |
| 772-427   | SHIELD CAN(FRONT-END) | NSP T0.2                   |  | 1    |              |
| 772-429   | SHIELD CAN(TCXO)      | BSP T0.25 NI-PLATE         |  | 1    |              |
| 772-597   | SHIELD PLATE          | NSP T0.3                   |  | 1    |              |
| 772-598   | VCO CAN               | NSP T0.2                   |  | 1    |              |
| 795-942   | OVERLAY LED           | LEXAN T0.25                |  | 1    |              |
| 853-225   | INSULATOR ANT         | PC CR PLATE                |  | 4    |              |
| 895-075   | RUBBER WASHER         | &6.2X&3.1XT0.5 N.B.R BLK   |  | 4    |              |
| 895-157   | GASKET                | NEOPRENE 3M4262            |  | 1    |              |
| 895-189   | GASKET(SP-2850C)      | 0.4&1.2&X260 SILI.RUBB BLK |  | 0    |              |
| 896-007   | CAP RUBBER            | NBR                        |  | 1    |              |

**2. CH SPACING ASSEMBLY (Part No. : 577-50C-SA)**

| PART-NO.   | NAME & DESCRIPTION    |                      |     | Q'TY | REFERENCE-NO |
|------------|-----------------------|----------------------|-----|------|--------------|
| 263-418-0X | CRYSTAL               | 44.645M -30 15PM 32P | 3RD | 1    | X1           |
| 270-336-7Z | DISCRIMINATOR CERAMIC | JTB455C24            |     | 1    | Y1           |
| 270-342-2Y | FILTER CERAMIC        | LTM455HW             |     | 1    | CF2          |
| 270-343-3Y | FILTER CERAMIC        | LTM455FW             |     | 1    | CF1          |
| 271-225-5  | FILTER CRYSTAL        | 45N15B4 45.1MHZ      |     | 0    | XF2          |

**3. DC-DC CONVERTER ASSEMBLY (Part No. : 577-50D-DCA)**

| PART-NO.   | NAME & DESCRIPTION  |                            |  | Q'TY | REFERENCE-NO   |
|------------|---------------------|----------------------------|--|------|----------------|
| 05D-103-5Z | CHIP RESISTOR       | 10K 1/16W 5% T 1005        |  | 1    | R801           |
| 05D-203-2Z | CHIP RESISTOR       | 20K 1/16W 5% T 1005        |  | 1    | R806           |
| 05D-333-6Z | CHIP RESISTOR       | 33K 1/16W 5% T 1005        |  | 1    | R802           |
| 05D-563-7Z | CHIP RESISTOR       | 56K 1/16W 5% T 1005        |  | 1    | R805           |
| 06B-018-9  | CHIP RESISTOR       | 0.033 1/10W 1% T 2012      |  | 1    | R804           |
| 130-A73-6Y | CHIP CERAMIC        | 0.01UF GRM39 X7R103K 25V   |  | 1    | C810           |
| 131-100-6Y | CHIP CERAMIC        | 0.1UF GRM39 X7R104K 50V PT |  | 2    | C802, 8        |
| 131-129-9Y | CHIP CERAMIC        | 100PF GRM36 COG101J 50V    |  | 3    | C806, 805, 812 |
| 133-367-7Y | CHIP CERAMIC        | 330PF GRM36 X7R331K 50V    |  | 1    | C803           |
| 135-115-6Y | CHIP CERAMIC        | 51PF GRM36 COG510J 50V     |  | 2    | C801, 4        |
| 141-067-6Z | CHIP TANTALUM       | 100UF NRD107M16R12         |  | 2    | C811, 5        |
| 142-253-5  | CHIP TANTAL         | TSM1V226 DSSR              |  | 1    | C807           |
| 144-722-2  | CHIP TANTALUM       | 4.7UF 293D475X0010A2T10V   |  | 1    | C813           |
| 200-190-0  | FET MOS             | SI4412DY                   |  | 2    | Q801, 2        |
| 221-114-3  | I.C DC/DC CONVERTOR | LTC1435CS (S0-16)          |  | 1    | IC801          |
| 243-104-0  | DIODE               | KDS160                     |  | 1    | D801           |
| 243-127-1  | DIODE SCHOTTKY      | MBRS140T3 (403A-03)        |  | 1    | D802           |
| 311-743-9  | COIL INDUCTOR       | 12UH A814AY-120M=P3        |  | 1    | L801           |
| 311-759-4  | COIL INDUCTOR CHIP  | 3.3UH 636CY-3R3M=P3        |  | 1    | L802           |

**4. DIGITAL PCB SMD ASSEMBLY (Part No. : 577-50D-PS)**

| PART-NO.   | NAME & DESCRIPTION |                   |  | Q'TY | REFERENCE-NO                 |
|------------|--------------------|-------------------|--|------|------------------------------|
| 05B-000-5Z | CHIP RESISTOR      | 0 1/16W 5% T 1608 |  | 7    | R(LK404, 7, 11, 7, 9, 23, 1) |
| 05D-000-5Z | CHIP RESISTOR      | 0 1/16W 5% T 1005 |  | 3    | R462, 523, 57                |

|            |                  |                     |                      |    |                                                                           |
|------------|------------------|---------------------|----------------------|----|---------------------------------------------------------------------------|
| 05D-100-2Z | CHIP RESISTOR    | 10                  | 1/16W 5% T 1005      | 1  | R475                                                                      |
| 05D-101-3Z | CHIP RESISTOR    | 100                 | 1/16W 5% T 1005      | 10 | R417, 23, 6, 58, 89, 505, 22, 31, 5, 49                                   |
| 05D-103-5Z | CHIP RESISTOR    | 10K                 | 1/16W 5% T 1005      | 30 | R403, 9-16, 24, 5, 44, 55-7, 60, 1, 6, 9, 71, 6, 83, 92-6. 533, 51, 4, 64 |
| 05D-104-6Z | CHIP RESISTOR    | 100K                | 1/16W 5% T 1005      | 12 | R402, 4, 5, 7, 8, 21, 53, 9, 68, 74, 86. 556                              |
| 05D-105-7Z | CHIP RESISTOR    | 1M                  | 1/16W 5% T 1005      | 1  | R467                                                                      |
| 05D-121-1Z | CHIP RESISTOR    | 120                 | 1/16W 5% T 1005      | 2  | R510, 1                                                                   |
| 05D-122-2Z | CHIP RESISTOR    | 1.2K                | 1/16W 5% T 1005      | 2  | R443, 563                                                                 |
| 05D-124-4Z | CHIP RESISTOR    | 120K                | 1/16W 5% T 1005      | 2  | R431, 2                                                                   |
| 05D-151-8Z | CHIP RESISTOR    | 150                 | 1/16W 5% T 1005      | 1  | R472                                                                      |
| 05D-184-8Z | CHIP RESISTOR    | 180K                | 1/16W 5% T 1005      | 1  | R418                                                                      |
| 05D-203-2Z | CHIP RESISTOR    | 20K                 | 1/16W 5% T 1005      | 3  | R478, 82. 532                                                             |
| 05D-221-8Z | CHIP RESISTOR    | 220                 | 1/16W 5% T 1005      | 2  | R487, 8                                                                   |
| 05D-223-0Z | CHIP RESISTOR    | 22K                 | 1/16W 5% T 1005      | 6  | R422, 70, 3, 85, 565, 9                                                   |
| 05D-224-1Z | CHIP RESISTOR    | 220K                | 1/16W 5% T 1005      | 6  | R420, 79. 513, 29, 62, 7                                                  |
| 05D-242-7Z | CHIP RESISTOR    | 2.4K                | 1/16W 5% T 1005      | 1  | R526                                                                      |
| 05D-273-5Z | CHIP RESISTOR    | 27K                 | 1/16W 5% T 1005      | 3  | R430, 42. 555                                                             |
| 05D-302-8Z | CHIP RESISTOR    | 3K                  | 1/16W 5% T 1005      | 1  | R427                                                                      |
| 05D-303-9Z | CHIP RESISTOR    | 30K                 | 1/16W 5% T 1005      | 2  | R439, 40                                                                  |
| 05D-332-5Z | CHIP RESISTOR    | 3.3K                | 1/16W 5% T 1005      | 1  | R419                                                                      |
| 05D-333-6Z | CHIP RESISTOR    | 33K                 | 1/16W 5% T 1005      | 2  | R477, 530                                                                 |
| 05D-363-3Z | CHIP RESISTOR    | 36K                 | 1/16W 5% T 1005      | 1  | R438                                                                      |
| 05D-392-9Z | CHIP RESISTOR    | 3.9K                | 1/16W 5% T 1005      | 1  | R429                                                                      |
| 05D-393-0Z | CHIP RESISTOR    | 39K                 | 1/16W 5% T 1005      | 1  | R481                                                                      |
| 05D-472-8Z | CHIP RESISTOR    | 4.7K                | 1/16W 5% T 1005      | 6  | R428, 37. 503, 4, 15, 20                                                  |
| 05D-473-9Z | CHIP RESISTOR    | 47K                 | 1/16W 5% T 1005      | 16 | R435, 65, 84, 501, 2, 6, 7, 12, 6-9, 21, 4, 5. 570                        |
| 05D-474-0Z | CHIP RESISTOR    | 470K                | 1/16W 5% T 1005      | 1  | R550                                                                      |
| 05D-512-1Z | CHIP RESISTOR    | 5.1K                | 1/16W 5% T 1005      | 2  | R441, 6                                                                   |
| 05D-563-7Z | CHIP RESISTOR    | 56K                 | 1/16W 5% T 1005      | 1  | R406                                                                      |
| 05D-683-2Z | CHIP RESISTOR    | 68K                 | 1/16W 5% T 1005      | 2  | R463, 534                                                                 |
| 05D-684-3Z | CHIP RESISTOR    | 680K                | 1/16W 5% T 1005      | 1  | R500                                                                      |
| 05D-821-0Z | CHIP RESISTOR    | 820                 | 1/16W 5% T 1005      | 1  | R528                                                                      |
| 05D-823-2Z | CHIP RESISTOR    | 82K                 | 1/16W 5% T 1005      | 1  | R527                                                                      |
| 05D-912-9Z | CHIP RESISTOR    | 9.1K                | 1/16W 5% T 1005      | 1  | R445                                                                      |
| 060-364-7  | CHIP RESISTOR    | 360K                | 1/10W 5% T 2012      | 1  | R433                                                                      |
| 060-433-6Z | CHIP RESISTOR    | 43K                 | 1/10W 5% T 2012      | 2  | R434, 6                                                                   |
| 075-223-1  | RES.CHIP TRIMMER | 22K                 | RH03E1CJ4X           | 1  | RV401                                                                     |
| 075-473-0  | RES.CHIP TRIMMER | 47K                 | RH03E1CS4X           | 1  | RV402                                                                     |
| 098-473-0  | THERMISTOR CHIP  | ECTH201208473H4100H |                      | 1  | RTH402                                                                    |
| 130-A17-6Y | CHIP CERAMIC     | 0.001UF             | GRM40 X7R102K 50V PT | 1  | C468                                                                      |
| 130-A99-0Y | CHIP CERAMIC     | 0.012UF             | GRM39 X7R123K 25V PT | 1  | C411                                                                      |
| 130-B12-1Y | CHIP CERAMIC     | 0.001UF             | GRM36 X7R102K 50V    | 8  | C439, 64, 70, 2-6                                                         |
| 130-B14-3Y | CHIP CERAMIC     | 0.0015UF            | GRM36 X7R152K 50V    | 1  | C406                                                                      |
| 130-B19-8Y | CHIP CERAMIC     | 0.1UF               | GRM36 Y5V104Z 16V    | 7  | C403, 18, 33, 63, 87. 511, 4                                              |
| 130-B36-3Y | CHIP CERAMIC     | 0.1UF               | GRM36 X5R104K 10V    | 8  | C413, 20, 32, 5, 44, 9, 52. 512                                           |
| 130-286-9Y | CHIP CERAMIC     | 0.0022UF            | GRM36 X7R222K 50V    | 2  | C405, 10                                                                  |
| 130-287-0Y | CHIP CERAMIC     | 0.0027UF            | GRM36 X7R272K 50V    | 1  | C446                                                                      |
| 130-294-9Y | CHIP CERAMIC     | 0.022UF             | GRM36 X7R223K 16V    | 3  | C416, 34, 6                                                               |
| 130-359-5Y | CHIP CERAMIC     | 0.0033UF            | GRM36 X7R332K 50V    | 4  | C407, 8, 31, 45                                                           |
| 130-365-0  | CHIP CERAMIC     | 0.033UF             | GRM36 X7R333K 10V    | 5  | C426, 7, 88, 9, 90                                                        |
| 130-447-1Y | CHIP CERAMIC     | 0.0047UF            | GRM36 X7R472K 25V    | 1  | C409                                                                      |
| 130-454-7  | CHIP CERAMIC     | 0.047UF             | GRM36 X7R473K 10V    | 6  | C424, 5, 51, 4, 91. 513                                                   |
| 130-624-4  | CHIP CERAMIC     | 0.68UF              | GRM40 Y5V684Z 16V PT | 1  | C430                                                                      |
| 130-629-9Y | CHIP CERAMIC     | 0.0068UF            | GRM36 X7R682K 25V    | 1  | C437                                                                      |
| 130-808-4Y | CHIP CERAMIC     | 0.082UF             | GRM40 X7R823K 50V PT | 1  | C429                                                                      |
| 131-089-7Y | CHIP CERAMIC     | 1UF                 | GRM40 Y5V105Z 16V PT | 3  | C422, 38, 58                                                              |
| 131-100-6Y | CHIP CERAMIC     | 0.1UF               | GRM39 X7R104K 50V PT | 1  | C404                                                                      |
| 131-129-9Y | CHIP CERAMIC     | 100PF               | GRM36 COG101J 50V    | 1  | C443                                                                      |
| 131-257-5Y | CHIP CERAMIC     | 120PF               | GRM36 COG121J 50V    | 1  | C428                                                                      |
| 131-585-7Y | CHIP CERAMIC     | 150PF               | GRM36 COG151J 50V    | 2  | C401, 2                                                                   |
| 132-035-2Y | CHIP CERAMIC     | 200PF               | GRM36 COG201J 50V    | 1  | C440                                                                      |
| 132-288-1Y | CHIP CERAMIC     | 220PF               | GRM36 X7R221J 50V    | 1  | C493                                                                      |
| 133-112-3Y | CHIP CERAMIC     | 300PF               | GRM36 X7R301K 50V    | 1  | C423                                                                      |
| 133-366-6Y | CHIP CERAMIC     | 33PF                | GRM36 COG330J 50V    | 2  | C441, 2                                                                   |
| 134-779-1Y | CHIP CERAMIC     | 47PF                | GRM36 COG470J 50V    | 2  | C415, 7                                                                   |
| 134-780-1Y | CHIP CERAMIC     | 470PF               | GRM36 X7R471K 50V    | 6  | C450, 60, 5, 7, 81, 92                                                    |
| 139-104-6  | CHIP CERAMIC     | 910PF               | GRM39 X7R911J 50V PT | 1  | C412                                                                      |
| 141-052-5Z | CHIP TANTALUM    | 100UF               | 293D107X0006E2T6V    | 1  | C456                                                                      |
| 141-059-2  | CHIP TANTALUM    | 10UF                | 293D106X006R3A2T6.3V | 5  | C448, 53, 9, 77. 507                                                      |
| 141-060-2  | CHIP TANTALUM    | 1UF                 | 293D105X0025A2T25V   | 6  | C421, 57, 61, 78, 82. 509                                                 |
| 142-253-5  | CHIP TANTAL      | TSM1V226            | DSSR                 | 1  | C469                                                                      |
| 144-722-2  | CHIP TANTALUM    | 4.7UF               | 293D475X0010A2T10V   | 5  | C414, 9, 62, 94. 508                                                      |
| 144-729-8Z | CHIP TANTALUM    | 47UF                | 293D476X0016E2T16V   | 1  | C455                                                                      |
| 202-095-8Z | TRANSISTOR       | KRC104SND           |                      | 6  | Q403, 6, 8, 10, 1, 8                                                      |
| 202-106-5Z | TRANSISTOR       | STA1037Y            |                      | 2  | Q407, 17                                                                  |
| 218-057-7Y | TRANSISTOR(BRT)  | SRA2204S            |                      | 3  | Q401, 2, 13                                                               |
| 220-655-0  | I.C CMOS SW      | TC7S66FU            | (SSOP5PA)(MAX-2000)  | 1  | IC418                                                                     |
| 221-571-2  | I.C EEPROM       | CS124WC04J-TE13     |                      | 1  | IC402                                                                     |
| 221-773-8  | I.C CPU          | TMP87PS68DF         |                      | 1  | IC401                                                                     |
| 221-795-8  | I.C OP AMP       | NJM12903V           |                      | 1  | IC403                                                                     |
| 222-018-5A | I.C              | KIA324F-EL          |                      | 5  | IC404, 5, 8, 11, 6                                                        |
| 222-023-9A | I.C DETECTOR     | KIA7042F            |                      | 1  | IC414                                                                     |

|            |                     |                             |   |                |
|------------|---------------------|-----------------------------|---|----------------|
| 223-224-9  | I, C                | MC14066BDR2: S014           | 2 | IC406, 7       |
| 223-261-2  | I, C                | MC14053BD                   | 1 | IC409          |
| 231-038-1Z | I, C                | S1A0386A01-SOT0&SOP         | 1 | IC412          |
| 231-073-3Z | I, C                | MSNBLPS                     | 1 | IC410          |
| 241-179-8  | DIODE ZENER CHIP    | Z02W5.6Y 5.6V 0.2W (SOT-23) | 4 | D404, 5, 6, 10 |
| 243-063-6  | DIODE SWITCHING     | KDS181S A3                  | 1 | D402           |
| 251-286-4  | LED LAMP            | L-319EGW(3& RED/GRN)        | 1 | LED401         |
| 263-472-8  | CRYSTAL RESONATOR   | 8.0M -20 30PPM 18PF         | 1 | X401           |
| 310-659-2  | COIL CHIP           | 10UH:LER015T100K            | 1 | L401           |
| 416-145-A  | P, C, B DIGITAL B'D | 93 X55 X1.0 FR4 2/S         | 1 |                |
| 421-001-9  | CONNECTOR FEMALE    | 18PIN DUAL LINE             | 1 | CON405         |
| 421-002-1  | CONNECTOR FEMALE    | 6PIN SINGLE LINE            | 1 | CON404         |
| 421-002-2  | CONNECTOR D-SUB     | DS108X-X-15X-X              | 1 | CON401         |
| 422-746-1  | CONNECTOR           | 52231-1417                  | 1 | CON403         |
| 431-183-0  | SW DIP              | KSD-04                      | 1 | SW401          |

5. PACKING ASSEMBLY (Part No. : 577-50P-A)

| PART-NO.  | NAME & DESCRIPTION |                              | Q'TY | REFERENCE-NO |
|-----------|--------------------|------------------------------|------|--------------|
| 509-181   | POWER CORD ASS'Y   | OSPREY                       | 1    |              |
| 91D-219   | BOX OUT            | DW1E 320(W)X290(D)X175(H)    | 0    |              |
| 91D-220   | BOX INNER          | SW1S "E" 175(W)X158(D)X58(H) | 1    |              |
| 921-015-E | POLYBAG            | P, E 100X150XT0.05           | 1    |              |

6. RF CIRCUIT ASSEMBLY (Part No. : 577-50R-CA)

| PART-NO.   | NAME & DESCRIPTION |                      | Q'TY | REFERENCE-NO                                  |
|------------|--------------------|----------------------|------|-----------------------------------------------|
| 05D-000-5Z | CHIP RESISTOR      | 0 1/16W 5% T 1005    | 7    | R105, 9, 10, 1, LK3, 5, 7, 10                 |
| 05D-100-2Z | CHIP RESISTOR      | 10 1/16W 5% T 1005   | 1    | R53                                           |
| 05D-101-3Z | CHIP RESISTOR      | 100 1/16W 5% T 1005  | 8    | R1, 2, 12, 14, 38, 70, 88, 99                 |
| 05D-102-4Z | CHIP RESISTOR      | 1K 1/16W 5% T 1005   | 4    | R47, 69, 85, 7                                |
| 05D-103-5Z | CHIP RESISTOR      | 10K 1/16W 5% T 1005  | 13   | R7, 8, 16, 20, 4, 6, 46, 78, 80, 2, 3, 100, 1 |
| 05D-104-6Z | CHIP RESISTOR      | 100K 1/16W 5% T 1005 | 1    | R93                                           |
| 05D-105-7Z | CHIP RESISTOR      | 1M 1/16W 5% T 1005   | 1    | R51                                           |
| 05D-121-1Z | CHIP RESISTOR      | 120 1/16W 5% T 1005  | 1    | R39                                           |
| 05D-122-2Z | CHIP RESISTOR      | 1.2K 1/16W 5% T 1005 | 4    | R5, 6, 22, 28                                 |
| 05D-123-3Z | CHIP RESISTOR      | 12K 1/16W 5% T 1005  | 2    | R52, 35                                       |
| 05D-152-9Z | CHIP RESISTOR      | 1.5K 1/16W 5% T 1005 | 1    | R48                                           |
| 05D-154-1Z | CHIP RESISTOR      | 150K 1/16W 5% T 1005 | 1    | R37                                           |
| 05D-180-4Z | CHIP RESISTOR      | 18 1/16W 5% T 1005   | 2    | R13, 33                                       |
| 05D-182-6Z | CHIP RESISTOR      | 1.8K 1/16W 5% T 1005 | 1    | R73                                           |
| 05D-184-8Z | CHIP RESISTOR      | 180K 1/16W 5% T 1005 | 1    | R92                                           |
| 05D-203-2Z | CHIP RESISTOR      | 20K 1/16W 5% T 1005  | 1    | R23                                           |
| 05D-221-8Z | CHIP RESISTOR      | 220 1/16W 5% T 1005  | 3    | R49, 31, 56                                   |
| 05D-222-9Z | CHIP RESISTOR      | 2.2K 1/16W 5% T 1005 | 3    | R54, 72, 104                                  |
| 05D-223-0Z | CHIP RESISTOR      | 22K 1/16W 5% T 1005  | 4    | R74, 76, 81, 84                               |
| 05D-272-4Z | CHIP RESISTOR      | 2.7K 1/16W 5% T 1005 | 2    | R10, 11                                       |
| 05D-301-7Z | CHIP RESISTOR      | 300 1/16W 5% T 1005  | 2    | R34, 32                                       |
| 05D-330-3Z | CHIP RESISTOR      | 33 1/16W 5% T 1005   | 1    | R98                                           |
| 05D-332-5Z | CHIP RESISTOR      | 3.3K 1/16W 5% T 1005 | 2    | R50, 79                                       |
| 05D-333-6Z | CHIP RESISTOR      | 33K 1/16W 5% T 1005  | 1    | R21                                           |
| 05D-334-7Z | CHIP RESISTOR      | 330K 1/16W 5% T 1005 | 1    | R75                                           |
| 05D-390-7Z | CHIP RESISTOR      | 39 1/16W 5% T 1005   | 1    | R62                                           |
| 05D-470-6Z | CHIP RESISTOR      | 47 1/16W 5% T 1005   | 2    | R17, 64                                       |
| 05D-472-8Z | CHIP RESISTOR      | 4.7K 1/16W 5% T 1005 | 4    | R30, 90, 95, 97                               |
| 05D-473-9Z | CHIP RESISTOR      | 47K 1/16W 5% T 1005  | 5    | R15, 91, 113, 114, 115                        |
| 05D-474-0Z | CHIP RESISTOR      | 470K 1/16W 5% T 1005 | 1    | R71                                           |
| 05D-475-1Z | CHIP RESISTOR      | 4.7M 1/16W 5% T 1005 | 1    | R57                                           |
| 05D-510-9Z | CHIP RESISTOR      | 51 1/16W 5% T 1005   | 1    | R68                                           |
| 05D-513-2Z | CHIP RESISTOR      | 51K 1/16W 5% T1005   | 1    | R94                                           |
| 05D-562-6Z | CHIP RESISTOR      | 5.6K 1/16W 5% T 1005 | 3    | R9, 29, 96                                    |
| 05D-563-7Z | CHIP RESISTOR      | 56K 1/16W 5% T 1005  | 1    | R77                                           |
| 05D-682-1Z | CHIP RESISTOR      | 6.8K 1/16W 5% T 1005 | 1    | R36                                           |
| 05D-684-3Z | CHIP RESISTOR      | 680K 1/16W 5% T 1005 | 1    | R25                                           |
| 05D-911-8Z | CHIP RESISTOR      | 910 1/16W 5% T 1005  | 2    | R3, 4                                         |
| 05G-104-6Z | CHIP RESISTOR      | 100K 1/16W 1% T 1005 | 2    | R59, 61                                       |
| 05G-683-2Z | CHIP RESISTOR      | 68K 1/16W 1% T 1005  | 2    | R58, 60                                       |
| 059-000-0Z | CHIP RESISTOR      | 0 1/ 8W 5% T 3216    | 1    | R(LK1)                                        |
| 06F-108-3  | CHIP RESISTOR      | 0.1 1W 1% 1218       | 1    | R63                                           |
| 060-000-8Z | CHIP RESISTOR      | 0 1/10W 5% T 2012    | 1    | R42                                           |
| 060-229-9Z | CHIP RESISTOR      | 2.2 1/10W 5% T 2012  | 3    | R43, 44, 45                                   |
| 060-474-3Z | CHIP RESISTOR      | 470K 1/10W 5% T 2012 | 3    | R65, 40, 41                                   |
| 075-103-6  | RES,CHIP TRIMMER   | 10K RH03E1C14X       | 1    | RV4                                           |

|            |                     |                   |                      |    |                                                |
|------------|---------------------|-------------------|----------------------|----|------------------------------------------------|
| 075-104-7  | RES.CHIP TRIMMER    | 100K              | RH03E1C15X           | 1  | RV2                                            |
| 075-223-1  | RES.CHIP TRIMMER    | 22K               | RH03E1CJ4X           | 2  | RV5.6                                          |
| 075-473-0  | RES.CHIP TRIMMER    | 47K               | RH03E1CS4X           | 1  | RV1                                            |
| 130-B12-1Y | CHIP CERAMIC        | 0.001UF           | GRM36 X7R102K 50V    | 6  | C15.71,5.81.108,9                              |
| 130-B16-5Y | CHIP CERAMIC        | 0.01UF            | GRM36 X7R103K 16V    | 7  | C11.45.69.84.86.96.103.                        |
| 130-B19-8Y | CHIP CERAMIC        | 0.1UF             | GRM36 Y5V104Z 16V    | 9  | C10,4.80,5,7.97.107,10,1                       |
| 130-B36-3Y | CHIP CERAMIC        | 0.1UF             | GRM36 X5R104K 10V    | 5  | C46.72,4,6.95                                  |
| 130-443-7  | CHIP CERAMIC        | 0.47UF            | GRM40 Y5V474Z 16V PT | 1  | C54                                            |
| 130-447-1Y | CHIP CERAMIC        | 0.0047UF          | GRM36 X7R472K 25V    | 2  | C93.94                                         |
| 131-089-7Y | CHIP CERAMIC        | 1UF               | GRM40 Y5V105Z 16V PT | 4  | C12.22.68.99                                   |
| 131-256-4Y | CHIP CERAMIC        | 12PF              | GRM36 COG120J 50V    | 1  | C25                                            |
| 131-584-6Y | CHIP CERAMIC        | 15PF              | GRM36 COG150J 50V    | 1  | C77                                            |
| 131-851-7Y | CHIP CERAMIC        | 18PF              | GRM36 COG180J 50V    | 1  | C66                                            |
| 132-289-2Y | CHIP CERAMIC        | 220PF             | GRM36 COH221J 25V    | 10 | C5.9.18.23.49.98.101,4,5,6                     |
| 132-750-4Y | CHIP CERAMIC        | 27PF              | GRM36 COG270J 50V    | 1  | C78                                            |
| 133-110-1Y | CHIP CERAMIC        | 3PF               | GRM36 COG030C 50V    | 1  | C21                                            |
| 133-111-2Y | CHIP CERAMIC        | 30PF              | GRM36 COG300J 50V    | 1  | C70                                            |
| 133-366-6Y | CHIP CERAMIC        | 33PF              | GRM36 COG330J 50V    | 1  | C79                                            |
| 134-761-4Y | CHIP CERAMIC        | 470PF             | GRM40 COG471J 50V PT | 2  | C34.40                                         |
| 134-779-1Y | CHIP CERAMIC        | 47PF              | GRM36 COG470J 50V    | 1  | C102                                           |
| 134-780-1Y | CHIP CERAMIC        | 470PF             | GRM36 X7R471K 50V    | 20 | C7.13,9.20,6,7,42,3,4,8.50,3.55-60.89.90,2.112 |
| 135-023-6Y | CHIP CERAMIC        | 5PF               | GRM36 COG050C 50V    | 1  | C100                                           |
| 136-018-7Y | CHIP CERAMIC        | 6PF               | GRM36 COG060D 50V    | 1  | C8                                             |
| 138-245-6Y | CHIP CERAMIC        | 82PF              | GRM36 COG820J 50V    | 2  | C64.73                                         |
| 141-059-2  | CHIP TANTALUM       | 10UF              | 293D106X06R3A2T6.3V  | 5  | C6.16.17.83.88                                 |
| 141-060-2  | CHIP TANTALUM       | 1UF               | 293D105X0025A2T25V   | 1  | C51                                            |
| 141-072-3Y | CHIP TANTALUM       | 10UF              | TSM1A106ASSR 10V     | 1  | C47                                            |
| 144-722-2  | CHIP TANTALUM       | 4.7UF             | 293D475X0010A2T10V   | 3  | C52.82.91                                      |
| 180-126-6Z | METAL POLY CAP      | 0.01UF            | 63V                  | 2  | C3.4                                           |
| 180-209-8  | METAL POLY CAP      | 0.022UF           | 223K 63V BOX         | 1  | C2                                             |
| 180-301-7Z | METAL POLY CAP      | 0.33UF            | 63V                  | 1  | C1                                             |
| 200-003-5  | TRANSISTOR          | BFR92A            | REEL                 | 3  | Q9.16.19                                       |
| 200-113-1  | TRANSISTOR          | KTC4075           |                      | 2  | Q3.4                                           |
| 200-114-2  | TRANSISTOR          | KTA2014           |                      | 2  | Q5.6                                           |
| 202-092-5Z | TRANSISTOR(BRT)     | SRA2210S          |                      | 2  | Q1.2                                           |
| 202-095-8Z | TRANSISTOR          | KRC104SND         |                      | 5  | Q14.17.18.21.24                                |
| 202-113-1Z | TRANSISTOR          | 2SC5343S(L)       |                      | 4  | Q8.12.15.20                                    |
| 202-116-4  | TRANSISTOR          | KTA1663           |                      | 1  | Q11                                            |
| 203-181-7Z | TRANSISTOR          | PBR951            |                      | 1  | Q10                                            |
| 218-057-7Y | TRANSISTOR(BRT)     | SRA2204S          |                      | 2  | Q7.22                                          |
| 220-520-1  | I.C IF DETECT       | TA31136FN         |                      | 1  | IC6                                            |
| 221-344-6Z | I.C VOLT. REGULATOR | TK71750SCL        |                      | 1  | IC1                                            |
| 221-555-8  | I.C PLL             | MB15A02PFV1       | (FPT-16P-M05)        | 1  | IC2                                            |
| 221-762-8  | I.C OPAMP           | NJM12904V         |                      | 3  | IC3.4.5                                        |
| 243-052-6  | DIODE SI CHIP       | KDS193            |                      | 1  | D2                                             |
| 243-063-6  | DIODE SWITCHING     | KDS181S A3        |                      | 2  | D8.9                                           |
| 243-087-8  | DIODE CHIP          | UPP9401(T&R)50V   | 2.5W                 | 2  | D3.5                                           |
| 243-122-6  | SCHOTTKY DIODE      | HSMS-2817 #L31    |                      | 1  | D6                                             |
| 300-251-3Z | TRANSFORMER         | BU32-869294       |                      | 2  | T1.2                                           |
| 310-859-6  | COIL CHIP           | 18NH:LL2012-F18NM |                      | 2  | L4.5                                           |
| 312-129-0  | COIL INDUCTOR CHIP  | 0.56UH            | SWI0805FTR56         | 1  | L12                                            |
| 312-131-1  | COIL INDUCTOR CHIP  | 0.82UH            | SWI0805FTR82         | 1  | L6                                             |
| 312-132-2  | COIL INDUCTOR CHIP  | 1UH               | SWI0805FT1R0         | 1  | L15                                            |
| 312-137-7  | COIL INDUCTOR CHIP  | 2.7UH             | SWI0805FT2R7         | 1  | L16                                            |
| 312-144-3  | COIL INDUCTOR CHIP  | 10UH              | SWI0805FT100         | 1  | L1                                             |
| 312-187-2  | COIL INDUCTOR CHIP  | 18NH              | SWI0603CT18N         | 3  | L2,3.14                                        |
| 312-199-3  | COIL INDUCTOR CHIP  | 150NH             | SWI0603CTR15         | 1  | L11                                            |
| 416-146-A  | P.C.B RF B'D        | 56.6 X92          | X1.6 FR4 2/S         | 1  |                                                |
| 421-001-8  | CONNECTOR MALE      | 18PIN DUAL LINE   |                      | 1  | CON1                                           |

7. TCXO ASSEMBLY (Part No. : 577-50T-CX0)

| PART-NO.   | NAME & DESCRIPTION                      | Q'TY | REFERENCE-NO  |
|------------|-----------------------------------------|------|---------------|
| 594-173    | LOW COST"A"TCXO ASSY                    | 1    |               |
| 05B-102-4Z | CHIP RESISTOR 1K 1/16W 5% T 1608        | 1    | R10           |
| 05B-103-5Z | CHIP RESISTOR 10K 1/16W 5% T 1608       | 1    | R9            |
| 05B-104-6Z | CHIP RESISTOR 100K 1/16W 5% T 1608      | 2    | R13.15        |
| 05B-122-2Z | CHIP RESISTOR 1.2K 1/16W 5% T 1608      | 1    | R1            |
| 05B-152-9Z | CHIP RESISTOR 1.5K 1/16W 5% T 1608      | 1    | R16           |
| 05B-154-1Z | CHIP RESISTOR 150K 1/16W 5% T 1608      | 1    | R4            |
| 05B-203-2Z | CHIP RESISTOR 20K 1/16W 5% T 1608       | 1    | R2            |
| 05B-393-0Z | CHIP RESISTOR 39K 1/16W 5% T 1608       | 1    | R5            |
| 05B-473-9Z | CHIP RESISTOR 47K 1/16W 5% T 1608       | 5    | R7.8.12.14.11 |
| 05B-563-7Z | CHIP RESISTOR 56K 1/16W 5% T 1608       | 1    | R6            |
| 05B-564-8Z | CHIP RESISTOR 560K 1/16W 5% T 1608      | 1    | R3            |
| 097-103-6  | THERMISTOR CHIP 10K NTCCM20123NH103JCT  | 1    | TH1           |
| 097-473-6  | THERMISTOR CHIP NTCCM 16084LH 473JC 47K | 1    | TH2           |
| 130-A74-7Y | CHIP CERAMIC 0.1UF GRM39 Y5V104Z 25V PT | 1    | C3            |

|            |                     |                            |   |                      |
|------------|---------------------|----------------------------|---|----------------------|
| 131-137-6Y | CERAMIC CHIP        | 100PF GRM39 U2J101J 50V    | 1 | C2                   |
| 131-564-8Y | CHIP CERAMIC        | 15PF GRM39 COG150J 50V PT  | 1 | C1                   |
| 132-275-2  | CHIP CERAMIC        | 22PF GRM39 U2J220J 50V PT  | 1 | C5                   |
| 132-735-1Y | CHIP CERAMIC        | 270PF GRM39 COG271J 50V PT | 1 | C6                   |
| 134-012-1Y | CHIP CERAMIC        | 4PF GRM39 COG040C 50V PT   | 1 | C4                   |
| 172-021-1  | TRIMMER             | 20PF TZC03P200A110         | 1 | CT1                  |
| 202-082-6  | TRANSISTOR          | KTA1504ST1(G)              | 1 | Q2                   |
| 202-112-0  | TRANSISTOR          | KTC3875S(GR)               | 2 | Q4.3                 |
| 202-153-7  | TRANSISTOR          | KTC3880SY                  | 1 | Q1                   |
| 242-011-4  | DIODE VARICAP       | MMBV109                    | 1 | D1                   |
| 242-025-7  | DIODE VARACTOR CHIP | HVU300ATRU 30V             | 1 | D2                   |
| 263-374-3  | CRYSTAL CA303HS     | 12.8MHZ 3PPM 14PF          | 1 | X1                   |
|            |                     |                            |   | "A"RANK FOR LMR TCXO |
| 406-785-A  | P.C.B TCXO          | 19X11X0.8T FR4             | 1 |                      |
| 772-429    | SHIELD CAN(TCXO)    | BSP T0.25 NI-PLATE         | 1 |                      |
| 860-172    | PIN                 | TCXO PIN BRASS TIN PLATED  | 4 | PIN                  |
| 906-542    | INSULATION PLATE    | FIBER T0.3                 | 1 |                      |

**8. U2 BAND LPF ASSEMBLY (Part No. : 577-50U-2BL)**

| PART-NO.   | NAME & DESCRIPTION |                            | Q'TY | REFERENCE-NO |
|------------|--------------------|----------------------------|------|--------------|
| 131-103-5Y | CHIP CERAMIC       | 11PF GRM40 COG110J 50V PT  | 2    | C37,8        |
| 131-559-4Y | CHIP CERAMIC       | 1.5PF GRM40 COG1R5C 50V PT | 1    | C36          |
| 132-011-0Y | CHIP CERAMIC       | 2PF GRM40 COG020C 50V PT   | 1    | C39          |
| 133-014-8Y | CHIP CERAMIC       | 3PF GRM40 COG030C 50V PT   | 1    | C41          |
| 311-167-9  | COIL SPRING        | 1X0.35X7T:R                | 1    | L10          |
| 311-301-3  | COIL SPRING        | 2X0.75X3T:L SMD            | 3    | L7.8.9       |

**9. U2 FRONT-END ASSEMBLY (Part No. : 577-50U-2FA)**

| PART-NO.   | NAME & DESCRIPTION |                           | Q'TY | REFERENCE-NO |
|------------|--------------------|---------------------------|------|--------------|
| 05D-000-5Z | CHIP RESISTOR      | 0 1/16W 5% T 1005         | 1    | R(C607)      |
| 05D-303-9Z | CHIP RESISTOR      | 30K 1/16W 5% T 1005       | 1    | R601         |
| 05D-470-6Z | CHIP RESISTOR      | 47 1/16W 5% T 1005        | 1    | R602         |
| 131-127-7Y | CHIP CERAMIC       | 10PF GRM36 COG100D 50V    | 2    | C617,8       |
| 131-128-8Y | CHIP CERAMIC       | 11PF GRM36 COG110J 50V    | 1    | C603         |
| 131-256-4Y | CHIP CERAMIC       | 12PF GRM36 COG120J 50V    | 3    | C608,16,9    |
| 132-012-1Y | CHIP CERAMIC       | 20PF GRM40 COG200J 50V PT | 1    | C(L603)      |
| 132-033-0Y | CHIP CERAMIC       | 2PF GRM36 COG020C 50V     | 1    | C602         |
| 133-110-1Y | CHIP CERAMIC       | 3PF GRM36 COG030C 50V     | 1    | C623         |
| 133-366-6Y | CHIP CERAMIC       | 33PF GRM36 COG330J 50V    | 1    | C605         |
| 133-941-8Y | CHIP CERAMIC       | 3.9PF GRM36 COG3R9C 50V   | 1    | C622         |
| 134-018-7Y | CHIP CERAMIC       | 4PF GRM36 COG040C 50V     | 1    | C615         |
| 134-779-1Y | CHIP CERAMIC       | 47PF GRM36 COG470J 50V    | 1    | C609         |
| 134-780-1Y | CHIP CERAMIC       | 470PF GRM36 X7R471K 50V   | 1    | C611         |
| 135-023-6Y | CHIP CERAMIC       | 5PF GRM36 COG050C 50V     | 1    | C621         |
| 135-651-3Y | CHIP CERAMIC       | 5.6PF GRM36 COG5R6D 50V   | 1    | C601         |
| 137-017-1Y | CHIP CERAMIC       | 7PF GRM36 COG070D 50V     | 3    | C604,13,20   |
| 138-247-8Y | CHIP CERAMIC       | 8.2PF GRM36 COG8R2D 50V   | 1    | C612         |
| 139-009-4Y | CHIP CERAMIC       | 9PF GRM36 COG090D 50V     | 1    | C614         |
| 200-307-0  | TRANSISTER NPN     | AT-41532                  | 1    | Q601         |
| 243-049-4Y | DIODE SWITCHING    | SDS7000                   | 1    | D601         |
| 311-943-3  | COIL SPRING        | 14NH 03095TL              | 3    | L604,7,8     |
| 311-982-8  | SPRING COIL(SMD)   | 0.30X0.90\$X4T(R)         | 5    | L601,2,5,6,9 |

**10. U2 POWER MODULE ASSEMBLY (Part No. : 577-50U-2PA)**

| PART-NO.   | NAME & DESCRIPTION |                              | Q'TY | REFERENCE-NO |
|------------|--------------------|------------------------------|------|--------------|
| 05D-220-7Z | CHIP RESISTOR      | 22 1/16W 5% T 1005           | 1    | R707         |
| 05D-272-4Z | CHIP RESISTOR      | 2.7K 1/16W 5% T 1005         | 1    | R701         |
| 05D-339-2Z | CHIP RESISTOR      | 3.3 1/16W 5% T 1005          | 1    | R710         |
| 05D-682-1Z | CHIP RESISTOR      | 6.8K 1/16W 5% T 1005         | 1    | R702         |
| 05D-689-8Z | CHIP RESISTOR      | 6.8 1/16W 5% T 1005          | 1    | R703         |
| 05D-820-9Z | CHIP RESISTOR      | 82 1/16W 5% T 1005           | 1    | R709         |
| 059-000-0Z | CHIP RESISTOR      | 0 1/ 8W 5% T 3216            | 1    | R(LK701)     |
| 130-A17-6Y | CHIP CERAMIC       | 0.001UF GRM40 X7R102K 50V PT | 1    | C711         |
| 130-B16-5Y | CHIP CERAMIC       | 0.01UF GRM36 X7R103K 16V     | 1    | C709         |
| 130-286-9Y | CHIP CERAMIC       | 0.0022UF GRM36 X7R222K 50V   | 1    | C720         |
| 131-127-7Y | CHIP CERAMIC       | 10PF GRM36 COG100D 50V       | 1    | C702         |

|            |                    |                   |                      |   |         |
|------------|--------------------|-------------------|----------------------|---|---------|
| 131-816-6Y | CHIP CERAMIC       | 18PF              | GRM40 COG180J 50V PT | 1 | C716    |
| 132-220-2Y | CHIP CERAMIC       | 220PF             | GRM40 COG221J 50V PT | 1 | C712    |
| 132-287-0Y | CHIP CERAMIC       | 22PF              | GRM36 COG220J 50V    | 1 | C701    |
| 132-288-1Y | CHIP CERAMIC       | 220PF             | GRM36 X7R221J 50V    | 1 | C703    |
| 132-407-5Y | CHIP CERAMIC       | 24PF              | GRM40 COG240J 50V PT | 1 | C708    |
| 133-110-1Y | CHIP CERAMIC       | 3PF               | GRM36 COG030C 50V    | 1 | C704    |
| 133-321-5Y | CHIP CERAMIC       | 3.3PF             | GRM40 COG3R3C 50V PT | 2 | C715,21 |
| 135-010-4Y | CHIP CERAMIC       | 5PF               | GRM40 COG050C 50V PT | 1 | C707    |
| 135-627-2Y | CHIP CERAMIC       | 5.6PF             | GRM40 COG5R6C 50V PT | 1 | C722    |
| 136-005-5Y | CHIP CERAMIC       | 6PF               | GRM40 COG060D 50V PT | 1 | C714    |
| 137-007-1Y | CHIP CERAMIC       | 7PF               | GRM40 COG070D 50V PT | 1 | C713    |
| 138-004-4Y | CHIP CERAMIC       | 8PF               | GRM40 COG080D 50V PT | 1 | C705    |
| 200-302-5  | FET RF POWER       | 2SK3079A          |                      | 1 | Q703    |
| 203-181-7Z | TRANSISTOR         | PBR951            |                      | 1 | Q701    |
| 311-167-9  | COIL SPRING        | 1X0.35X7T:R       |                      | 1 | L705    |
| 311-845-8  | COIL INDUCTOR CHIP | 15NH              | HK1005 15NJT         | 1 | L(R705) |
| 311-982-8  | SPRING COIL(SMD)   | 0.30X0.90\$X4T(R) |                      | 1 | L701    |
| 312-180-5  | COIL INDUCTOR CHIP | 3.9NH             | SWI0603CT3N9         | 1 | L704    |

**11. U2 BAND RF ASSEMBLY (Part No. : 577-50U-2RA)**

| PART-NO.   | NAME & DESCRIPTION |       |                      | Q'TY | REFERENCE-NO |
|------------|--------------------|-------|----------------------|------|--------------|
| 131-039-1Y | CHIP CERAMIC       | 10PF  | GRM40 COG100C 50V PT | 1    | C61          |
| 131-584-6Y | CHIP CERAMIC       | 15PF  | GRM36 COG150J 50V    | 1    | C30          |
| 132-033-0Y | CHIP CERAMIC       | 2PF   | GRM36 COG020C 50V    | 1    | C24          |
| 132-750-4Y | CHIP CERAMIC       | 27PF  | GRM36 COG270J 50V    | 1    | C32          |
| 135-651-3Y | CHIP CERAMIC       | 5.6PF | GRM36 COG5R6D 50V    | 1    | C33          |
| 136-018-7Y | CHIP CERAMIC       | 6PF   | GRM36 COG060D 50V    | 1    | C31          |
| 136-859-0Y | CHIP CERAMIC       | 6.8PF | GRM36 COG6R8D 50V    | 1    | C28          |
| 137-017-1Y | CHIP CERAMIC       | 7PF   | GRM36 COG070D 50V    | 2    | C29.62       |

**12. U2 RX VCO ASSEMBLY (Part No. : 577-50U-2RV)**

| PART-NO.   | NAME & DESCRIPTION |                    |                   | Q'TY | REFERENCE-NO |
|------------|--------------------|--------------------|-------------------|------|--------------|
| 05D-101-3Z | CHIP RESISTOR      | 100                | 1/16W 5% T 1005   | 1    | R302         |
| 05D-222-9Z | CHIP RESISTOR      | 2.2K               | 1/16W 5% T 1005   | 2    | R306,7       |
| 05D-271-3Z | CHIP RESISTOR      | 270                | 1/16W 5% T 1005   | 1    | R309         |
| 05D-472-8Z | CHIP RESISTOR      | 4.7K               | 1/16W 5% T 1005   | 1    | R308         |
| 131-127-7Y | CHIP CERAMIC       | 10PF               | GRM36 COG100D 50V | 1    | C315         |
| 131-128-8Y | CHIP CERAMIC       | 11PF               | GRM36 COG110J 50V | 2    | C303.312     |
| 131-583-5Y | CHIP CERAMIC       | 1.5PF              | GRM36 COG1R5C 50V | 1    | C309         |
| 132-288-1Y | CHIP CERAMIC       | 220PF              | GRM36 X7R221J 50V | 3    | C301.316,7   |
| 133-110-1Y | CHIP CERAMIC       | 3PF                | GRM36 COG030C 50V | 1    | C313         |
| 134-018-7Y | CHIP CERAMIC       | 4PF                | GRM36 COG040C 50V | 2    | C311,8       |
| 135-023-6Y | CHIP CERAMIC       | 5PF                | GRM36 COG050C 50V | 1    | C307         |
| 176-016-7  | CHIP TRIMMER       | 6PF                | TZV02Z060A100     | 1    | C308         |
| 200-277-6  | TRANSISTOR         | 2SC5086            |                   | 2    | Q301,2       |
| 242-022-4  | DIODE VARICAP CHIP | 1SV229             |                   | 1    | D301         |
| 310-913-1  | COIL SPRING        | 1.0X0.45X4T:R(SMD) |                   | 1    | L303         |
| 312-131-1  | COIL INDUCTOR CHIP | 0.82UH             | SWI0805FTR82      | 1    | L304         |
| 312-190-4  | COIL INDUCTOR CHIP | 33NH               | SWI0603CT33N      | 1    | L305         |
| 312-197-1  | COIL INDUCTOR CHIP | 100NH              | SWI0603CTR10      | 1    | L301         |

**13. U2 TX VCO ASSEMBLY (Part No. : 577-50U-2TV)**

| PART-NO.   | NAME & DESCRIPTION |         |                   | Q'TY | REFERENCE-NO |
|------------|--------------------|---------|-------------------|------|--------------|
| 05D-000-5Z | CHIP RESISTOR      | 0       | 1/16W 5% T 1005   | 1    | R201         |
| 05D-101-3Z | CHIP RESISTOR      | 100     | 1/16W 5% T 1005   | 1    | R202         |
| 05D-104-6Z | CHIP RESISTOR      | 100K    | 1/16W 5% T 1005   | 1    | R203         |
| 05D-222-9Z | CHIP RESISTOR      | 2.2K    | 1/16W 5% T 1005   | 2    | R206,7       |
| 05D-271-3Z | CHIP RESISTOR      | 270     | 1/16W 5% T 1005   | 1    | R209         |
| 05D-472-8Z | CHIP RESISTOR      | 4.7K    | 1/16W 5% T 1005   | 1    | R208         |
| 130-B12-1Y | CHIP CERAMIC       | 0.001UF | GRM36 X7R102K 50V | 1    | C214         |
| 130-525-8Y | CHIP CERAMIC       | 0.5PF   | GRM36 COG0R5C 50V | 1    | C206         |
| 130-707-6Y | CHIP CERAMIC       | 0.75PF  | GRM36 COG0R75C50V | 1    | C204         |
| 131-256-4Y | CHIP CERAMIC       | 12PF    | GRM36 COG120J 50V | 1    | C212         |
| 131-583-5Y | CHIP CERAMIC       | 1.5PF   | GRM36 COG1R5C 50V | 2    | C205,9       |
| 131-853-9Y | CHIP CERAMIC       | 1.8PF   | GRM36 COG1R8C 50V | 1    | C207         |
| 132-288-1Y | CHIP CERAMIC       | 220PF   | GRM36 X7R221J 50V | 2    | C216,7       |

|            |                    |                     |                   |   |         |
|------------|--------------------|---------------------|-------------------|---|---------|
| 133-110-1Y | CHIP CERAMIC       | 3PF                 | GRM36 COG030C 50V | 1 | C213    |
| 134-018-7Y | CHIP CERAMIC       | 4PF                 | GRM36 COG040C 50V | 2 | C211, 8 |
| 134-780-1Y | CHIP CERAMIC       | 470PF               | GRM36 X7R471K 50V | 1 | C201    |
| 137-017-1Y | CHIP CERAMIC       | 7PF                 | GRM36 COG070D 50V | 1 | C215    |
| 139-009-4Y | CHIP CERAMIC       | 9PF                 | GRM36 COG090D 50V | 1 | C203    |
| 176-016-7  | CHIP TRIMMER       | 6PF                 | TZV02Z060A100     | 1 | C208    |
| 200-277-6  | TRANSISTOR         | 2SC5086             |                   | 2 | Q201, 2 |
| 242-022-4  | DIODE VARICAP CHIP | 1SV229              |                   | 2 | D201, 2 |
| 310-913-1  | COIL SPRING        | 1.0X0.45X4T: R(SMD) |                   | 1 | L203    |
| 312-128-9  | COIL INDUCTOR CHIP | 0.47UH              | SWI0805FTR47      | 1 | L202    |
| 312-131-1  | COIL INDUCTOR CHIP | 0.82UH              | SWI0805FTR82      | 1 | L204    |
| 312-188-3  | COIL INDUCTOR CHIP | 22NH                | SWI0603CT22N      | 1 | L205    |
| 312-197-1  | COIL INDUCTOR CHIP | 100NH               | SWI0603CTR10      | 1 | L201    |

**14. VOLTAGE DOUBLER ASSEMBLY (Part No. : 577-50V-DA)**

| PART-NO.   | NAME & DESCRIPTION                    | Q'TY | REFERENCE-NO         |
|------------|---------------------------------------|------|----------------------|
| 05D-222-9Z | CHIP RESISTOR 2.2K 1/16W 5% T 1005    | 2    | R905, 7              |
| 05D-273-5Z | CHIP RESISTOR 27K 1/16W 5% T 1005     | 2    | R901, 3              |
| 05D-470-6Z | CHIP RESISTOR 47 1/16W 5% T 1005      | 1    | R908                 |
| 05D-472-8Z | CHIP RESISTOR 4.7K 1/16W 5% T 1005    | 1    | R906                 |
| 05D-752-1Z | CHIP RESISTOR 7.5K 1/16W 5% T 1005    | 2    | R902, 4              |
| 060-000-8Z | CHIP RESISTOR 0 1/10W 5% T 2012       | 1    | D903                 |
| 130-B16-5Y | CHIP CERAMIC 0.01UF GRM36 X7R103K 16V | 6    | C904, 5, 8, 9, 10, 1 |
| 132-288-1Y | CHIP CERAMIC 220PF GRM36 X7R221J 50V  | 2    | C901, 2              |
| 200-113-1  | TRANSISTOR KTC4075                    | 4    | Q901, 2, 3, 4        |
| 200-114-2  | TRANSISTOR KTA2014                    | 1    | Q905                 |
| 243-049-4Y | DIODE SWITCHING SDS7000               | 2    | D901, 2              |