

27/09/2002 17:19

WOOD &amp; DOUGLAS LTD

Page : 1

PARTS LIST FOR ASSEMBLY: A SM1679 00

SX500 LOWER RD

Issue: F X

PROTO F CM3532 171199 JH

## SX500 Parts List

| Qty  | Component | Nnd | Description                 | Location                                                   |
|------|-----------|-----|-----------------------------|------------------------------------------------------------|
| 0.0  | CHAN COMP |     | # = CHANNEL SPACING COMPON  |                                                            |
| 1.0  | 1050 0047 |     | 4R7 0603 0.063W 5%          | R20                                                        |
| 1.0  | 1050 0470 |     | 47R 0603 0.063W 2%          | R18                                                        |
| 1.0  | 1050 1100 |     | 100R 0603 0.063W 2%         | R8                                                         |
| 4.0  | 1050 1220 |     | 220R 0603 0.063W 2%         | R10,19,23,30                                               |
| 1.0  | 1050 1470 |     | 470R 0603 0.063W 2%         | R15                                                        |
| 5.0  | 1050 1680 |     | 680R 0603 0.063W 2%         | R13,17,21,22,28                                            |
| 4.0  | 1050 2100 |     | 1K0 0603 0.063W 2%          | R1,6,16,40                                                 |
| 5.0  | 1050 2220 |     | 2K2 0603 0.063W 2%          | R5,7,12,27,29                                              |
| 1.0  | 1050 2330 |     | 3K3 0603 0.063W 2%          | R9                                                         |
| 2.0  | 1050 2470 |     | 4K7 0603 0.063W 2%          | R2,4                                                       |
| 2.0  | 1050 3100 |     | 10K 0603 0.063W 2%          | R14,42                                                     |
| 4.0  | 1050 3150 |     | 15K 0603 0.063W 2%          | R24,25,26,32                                               |
| 2.0  | 1050 3220 |     | 22K 0603 0.063W 2%          | R37,41#                                                    |
| 2.0  | 1050 3330 |     | 33K 0603 0.063W 2%          | R38,39                                                     |
| 1.0  | 1050 3470 |     | 47K 0603 0.063W 2%          | R31                                                        |
| 1.0  | 1050 3680 |     | 68K 0603 0.063W 2%          | R35                                                        |
| 2.0  | 1050 4100 |     | 100K 0603 0.063W 2%         | R3,11,33                                                   |
| 2.0  | 1050 4470 |     | 470K 0603 0.063W 2%         | R34,36                                                     |
| 1.0  | 1051 0001 |     | 0R 0805 (SHORTING LINK)     | L9                                                         |
| 1.0  | 1165 0022 |     | 2.2PF 0603 COG 0.25P        | C31                                                        |
| 1.0  | 1165 0047 |     | 4.7PF 0603 COG 0.25P        | C8                                                         |
| 2.0  | 1165 0068 |     | 6.8PF 0603 COG 0.25P        | C1,24                                                      |
| 5.0  | 1165 0100 |     | 10PF 0603 COG 0.5P          | C2,3,17,22,23                                              |
| 2.0  | 1165 0220 |     | 22PF 0603 COG 5%            | C14,46                                                     |
| 3.0  | 1165 0270 |     | 27PF 0603 COG 5%            | C21,33,49                                                  |
| 1.0  | 1165 0330 |     | 33PF 0603 COG 5%            | C34                                                        |
| 1.0  | 1165 0560 |     | 56PF 0603 COG 5%            | C51                                                        |
| 1.0  | 1165 1100 |     | 100PF 0603 COG 5%           | C40                                                        |
| 17.0 | 1165 1220 |     | 220PF 0603 COG 5%           | C5,10,15,28,39,43,47,50<br>C53,54,55,57,58,60,62<br>C64,67 |
| 13.0 | 1166 2100 |     | 1000PF 0603 X7R 10%         | C7,12,18,25,26,27,30,32<br>C35,36,48,59,69                 |
| 8.0  | 1166 3100 |     | 0.01UF 0603 X7R 10%         | C20,37,41,42,44,45,56,68                                   |
| 1.0  | 1166 3220 |     | 0.022UF 0603 X7R 10%        | C6                                                         |
| 8.0  | 1169 4100 |     | 0.1UF 0603 Y5V +80/-20% 16  | C4,11,16,19,38,61,63,66                                    |
| 1.0  | 1176 4100 |     | 0.1UF 1206 X7R 10%          | C52                                                        |
| 1.0  | 1176 4330 |     | 0.33UF 1206 X7R 10%         | C29                                                        |
| 1.0  | 1190 6100 |     | 10uP 6.3V 20% TANT CASE A   | C65                                                        |
| 1.0  | 1192 5100 |     | 1.0UF 16V 3.2XL 6XL 6 TANT  | C9                                                         |
| 2.0  | 1251 0021 |     | BAT548 DIODE SOT23          | D3,11                                                      |
| 6.0  | 1251 0100 |     | 1SS355 DIODE SOD323 35V 22  | D2,5,6,7,8,10                                              |
| 3.0  | 1254 0030 | *   | DAN235K 2 DIODES SC59A      | D1,4,9                                                     |
| 1.0  | 1264 0000 |     | BFR520                      | TR1                                                        |
| 2.0  | 1264 0020 |     | BFR540 RF NPN SOT23         | TR2,3                                                      |
| 3.0  | 1271 0010 |     | BF998 DG MOSFET UHF         | TR4,5,6                                                    |
| 1.0  | 1283 0010 |     | LM358M SM SURF/MT DUAL OP   | IC4                                                        |
| 1.0  | 1287 0030 |     | LMX1501A                    | IC7                                                        |
| 1.0  | 1290 0050 |     | MC3371D SM LO VOLT NEPM IF  | IC8                                                        |
| 1.0  | 1616 7900 |     | E X SX500 PCB (LOWER BOARD) |                                                            |

27/09/2002 17:19

WOOD & DOUGLAS LTD

Page : 2

PARTS LIST FOR ASSEMBLY: A SW1679 00 SX500 LOWER RD  
Issue: F X PROTO F CMB532 171199 JH

## SX500 Parts List

| Qty | Component  | Nnd | Description               | Location          |
|-----|------------|-----|---------------------------|-------------------|
| 3.0 | 1750 3153  |     | 15nH RL1NC15NKP PANASONIC | L5,6,8            |
| 3.0 | 1750 3170  |     | 17nH LQW1A17M104          | L2,3,4            |
| 3.0 | 1750 3222  |     | 22nH LL2012-F22NK 0805    | L7,11,14          |
| 6.0 | 1750 4221  |     | 220nH LL2012-PBR22K 0805  | L1,10,12,13,15,18 |
| 1.0 | 1750 4680  |     | 6.60uH LQH3N 10%          | L16               |
| 4.0 | NOT FITTED |     | DO NOT FIT THESE COMPS    | C13,70,71 R43     |

End of report

PARTS LIST FOR ASSEMBLY: A SM1728 00 SX500 UPPER BD  
 Issue:G X PROTO G CNG889 140601 JH

## SX500 Parts List

| Qty  | Component  | Nnd | Description                | Location                             |
|------|------------|-----|----------------------------|--------------------------------------|
| 0.0  | AUDIO COMP |     | * = AUDIO COMPONENTS       |                                      |
| 1.0  | 1617 2800  | D X | SX500 (UPPER BOARD)        |                                      |
| 1.0  | 1050 0470  |     | 47R 0603 0.063W 2%         | R35                                  |
| 1.0  | 1050 1470  |     | 470R 0603 0.063W 2%        | R32                                  |
| 11.0 | 1050 2160  |     | 1K0 0603 0.063W 2%         | R9,19,23,25,26,28,29,30<br>R34,36,37 |
| 1.0  | 1050 2470  |     | 4K7 0603 0.063W 2%         | R13                                  |
| 1.0  | 1050 3100  |     | 10K 0603 0.063W 2%         | R1,18,22,31                          |
| 1.0  | 1050 3120  |     | 12K 0603 0.063W 2%         | R2                                   |
| 2.0  | 1050 3150  |     | 15K 0603 0.063W 2%         | R15,38                               |
| 1.0  | 1050 3220  |     | 22K 0603 0.063W 2%         | R14                                  |
| 1.0  | 1050 3330  |     | 33K 0603 0.063W 2%         | R12                                  |
| 4.0  | 1050 3470  |     | 47K 0603 0.063W 2%         | R4,6,10,27                           |
| 3.0  | 1050 3680  |     | 68K 0603 0.063W 2%         | R16,20,24                            |
| 5.0  | 1050 4100  |     | 100K 0603 0.063W 2%        | R5,7,8,21,33                         |
| 1.0  | 1050 4470  |     | 470K 0603 0.063W 2%        | R11                                  |
| 2.0  | 1050 5100  |     | 1M0 0603 0.063W 2%         | R3,17                                |
| 2.0  | 1060 3100  |     | 10K SM 25% 100mW           | RV3,5                                |
| 1.0  | 1060 3200  |     | 20K SM 25% 100mW           | RV2                                  |
| 2.0  | 1060 4101  |     | 100K SM 25% 100mW          | RV1,4                                |
| 2.0  | 1165 0330  |     | 33PF 0603 COG 5%           | C23,25                               |
| 1.0  | 1165 1120  |     | 120pF 0603 COG 5%          | C4*                                  |
| 2.0  | 1165 1220  |     | 220PF 0603 COG 5%          | C1,22                                |
| 4.0  | 1166 2100  |     | 1000PF 0603 X7R 10%        | C6,7,8,26*                           |
| 1.0  | 1166 2220  |     | 2200PF 0603 X7R 10%        | C2*                                  |
| 3.0  | 1166 3100  |     | 0.01UF 0603 X7R 10%        | C14,16,24                            |
| 1.0  | 1166 3150  |     | 0.015UF 0603 X7R 10%       | C5*                                  |
| 6.0  | 1169 4100  |     | 0.1UF 0603 Y5V +80/-20% 16 | C3,17,18,20,21,28                    |
| 1.0  | 1171 4330  |     | 0.33uF 0805 X7R 10% 16V    | C11                                  |
| 3.0  | 1190 6100  |     | 10uF 6.3V 20% TANT CASE A  | C9,12,13                             |
| 1.0  | 1251 0021  |     | BAT54S DIODE SOT23         | D3                                   |
| 2.0  | 1251 0100  |     | 1SS355 DIODE SOD323 35V 22 | D1,4                                 |
| 1.0  | 1262 0020  |     | LF2951 1/29V 0.1A          | IC9                                  |
| 4.0  | 1267 0060  |     | DT124KNT146 NEW DIG.TRANS  | TR2,3,6,7                            |
| 1.0  | 1268 0020  |     | BC857 0.1A-45V SOT23 3S/F/ | TR1                                  |
| 2.0  | 1268 0030  |     | DT114EK PNP DIGITAL SOT23  | TR4,5                                |
| 1.0  | 1275 0070  |     | PIC16F840480 S/M MICRO     | IC6 PROG BEFORE FITTING              |
| 1.0  | 1281 0010  |     | TC4866P TOSHIBA WIDE TEMP  | IC1                                  |
| 1.0  | 1283 0010  |     | LM358M SM SURF/WT DUAL OP  | IC3                                  |
| 1.0  | 1283 0020  |     | TL062CD SM SM DUAL OP AMP  | IC2                                  |
| 1.0  | 1750 4221  |     | 220nH LL2012-FHR22K 0805   | L1                                   |
| 3.0  | NOT FITTED |     | DO NOT FIT THESE COMPS     | C15 D2 FLA                           |

End of report

## SX500 Parts List

PARTS LIST FOR ASSEMBLY: A SM1675 00 SX500 VCO 400-500MHz  
 Issue:E X PROTO E CN3587 181199 JH

| Qty | Component  | Nnd Description            | Location   |
|-----|------------|----------------------------|------------|
| 1.0 | 1616 7500  | D X SX500 VCO PCB          |            |
| 0.0 | SIDE 1     | <--SIDE 1 COMPONENTS-->    |            |
| 2.0 | 1051 1560  | 560E 0805 0.156W 2%        | R4,10      |
| 1.0 | 1051 2150  | 1K5 0805 0.156W 2%         | R6         |
| 1.0 | 1051 3100  | 10K 0805 0.156W 2%         | R8         |
| 1.0 | 1170 0047  | 4.7PF 0805 COG 0.25P       | C23        |
| 2.0 | 1251 0100  | 18S355 DIODE S0D323 35V 22 | D6,7       |
| 2.0 | 1267 0011  | BC847C 0.1A/45V SOT23 1G   | TR4,6      |
| 1.0 | 1267 0060  | DTCL24EKT146 NEW DIG.TRANS | TR3        |
| 1.0 | 1268 0030  | DTB114KK PNP DIGITAL SOT23 | TR5        |
| 0.0 | SIDE 2     | <--SIDE 2 COMPONENTS-->    |            |
| 1.0 | 1051 0220  | 22E 0805 0.156W 2%         | R3         |
| 2.0 | 1051 2470  | 4K7 0805 0.156W 2%         | R2,9       |
| 3.0 | 1051 3100  | 10K 0805 0.156W 2%         | R1,5,7     |
| 1.0 | 1170 0005  | 0.5pF 0805 COG 0.25pF      | C18        |
| 1.0 | 1170 0010  | 1.0PF 0805 COG 0.25P       | C5         |
| 2.0 | 1170 0018  | 1.8PF 0805 COG 0.25P       | C3,21      |
| 1.0 | 1170 0027  | 2.7PF 0805 COG 0.25P       | C20        |
| 1.0 | 1170 0068  | 6.8PF 0805 COG 0.25P       | C10        |
| 1.0 | 1170 0082  | 8.2PF 0805 COG 0.25%       | C6         |
| 1.0 | 1170 0100  | 10PF 0805 COG 5%           | C7         |
| 1.0 | 1170 0150  | 15PF 0805 COG 5%           | C19        |
| 3.0 | 1171 2101  | 1000PF 0805 X7R 10%        | C2,13,22   |
| 1.0 | 1171 3100  | 0.01UF 0805 X7R 10%        | C9         |
| 1.0 | 1171 4100  | 0.1UF 0805 X7R 10% 50V     | C15        |
| 2.0 | 1185 0101  | 3/10pF SM TRIMMER          | C4,8       |
| 1.0 | 1190 6100  | 10uF 6.3V 20% TANT CASE A  | C1         |
| 1.0 | 1251 0020  | BAT54 DIODE SOT23 L4       | D8         |
| 5.0 | 1255 0040  | 15V229 15pF 2V VARICAP DIO | D1,2,3,4,5 |
| 2.0 | 1264 0060  | HFRL520                    | TR1,2      |
| 1.0 | 1285 0050  | UFCC712T 2GHz 30dB +3dBm   | IC1        |
| 1.0 | 1750 3120  | 12nH SPRING 4T A04T        | L1         |
| 1.0 | 1750 3182  | 18nH A05T-J 5%             | L6         |
| 1.0 | 1750 3222  | 22nH LL2012-F22NK 0805     | L5         |
| 2.0 | 1750 4221  | 220nH LL2012-FHR22K 0805   | L2,3       |
| 1.0 | NOT FITTED | DO NOT FIT THESE COMPS     | L4         |

End of report