SUN FU CHEONG ELECTRONICS CO LTD.

BILL OF MATERIAL



PREPARED BY : DATE

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ISSUED BY : DATE

RECEIVED BY : DATE

APPROVED BY : DATE

**FCC ID:O96WRC2000**

MODEL NO: WRC-001

MODEL NAME: WEATHER RADIO COVERTER

REV.01

DATE: 7-8-00

SAMPLE

ORDER NO: _____

TOTAL. SET

| ITEM | PART NAME | MATERIAL DESCRIPTION | QTY PER/SET | ISSUED | SHORTAGE | REMARK |
|---|---|---|---|---|---|---|
| 1. | CHIP RESISTOR | 10-OHM 0603 +/-5% | 1 | | | R32 |
| 2. | | 47-OHM | 1 | | | R5 |
| 3. | | 56-OHM | 1 | | | R14 |
| 4. | | 100-OHM | 3 | | | R6,13,16 |
| 5. | | 150-OHM | 1 | | | R50 |
| 6. | | 470-OHM | 2 | | | R3,41 |
| 7. | | 1K-OHM | 3 | | | R9,19,48 |
| 8. | | 1.5K-OHM | 2 | | | R22,40 |
| 9. | | 2.2K-OHM | 3 | | | R15,17,35 |
| 10. | | 4.7K-OHM | 2 | | | R36,37 |
| 11. | | 5.6K-OHM | 1 | | | R12 |
| 12. | | 8.2K-OHM | 1 | | | R7,20 |
| 13. | | 10K-OHM | 3 | | | R34,38,47 |
| 14. | | 15K-OHM | 1 | | | R29 |
| 15. | | 6.8K-OHM | 2 | | | R33,43 |
| 16. | | 22K-OHM | 2 | | | R27,30 |
| 17. | 82K | ~~27~~K-OHM | 1 | | | R24 |
| 18. | | 33K-OHM | 1 | | | R25 |
| 19. | | 82K-OHM | 1 | | | R23 |
| 20. | | 47K-OHM | 3 | | | R1,10,18 |
| 21. | | 100K-OHM | 11 | | | R4,11,21,26,39,42,44,45,46,51,52 |
| 22. | | 330K-OHM | 1 | | | R49 |
| 23. | | 470K-OHM | 1 | | | R2 |
| 24. | | 1M-OHM | 1 | | | R8 |
| 25. | | 150K-OHM | 1 | | | R28 |
| 26. | | 560K-OHM | 1 | | | R53 |
| | | ~~220K~~ 220K | 1 | | | R31 |

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|---|---|---|---|---|---|---|
| 27. | CHIP CERAMIC CAP | 0.5PF 0603 50V +/-5% (NPO) | 1 | | | C29 |
| 28. | | 3PF 0603 50V +/-5% (NPO) | 3 | | | C5,28,61 |
| 29. | | 5PF 0603 50V +/-5% (NPO) | 4 | | | C4,25,30,58 |
| 30. | | 6PF 0603 50V +/-5% (NPO) | 1 | | | C61 |
| 31. | | 7PF 0603 50V +/-5% (NPO) | 1 | | | C31 |
| 32. | | 10PF 0603 50V +/-5% (NPO) | 1 | | | C59 |
| 33. | OK | ~~12PF 0630 50V +/-5% (NPO)~~ | ~~1~~ | | | ~~C75~~ 62 |
| 34. | | 15PF 0603 50V +/-5% (NPO) | 3 | | | C1,3,11 |
| 35. | | 18PF 0603 50V +/-5% (NPO) | 1 | | | C26 |
| 36. | | 22PF 0603 50V +/-5% (NPO) | 6 | | | C15,51,~~62~~,64,~~66~~,79 |
| 37. | | 33PF 0603 50V +/-5% (NPO) | 1 | | | C65 |
| 38. | | 39PF 0603 50V +/-5% (NPO) | 1 | | | C57 |
| 39. | | 68PF 0603 50V +/-5% (NPO) | 1 | | | C52 |
| 40. | | 100PF 0603 50V +/-5% (NPO) | 1 | | | C34 |
| 41. | | 120PF 0603 50V +/-5% (NPO) | 1 | | | C55 |
| 42. | | 680PF 0603 50V +/-5% (NPO) | 1 | | | C40 |
| 43. | | 0.1UF 0603 50V +/-20% | 11 | | | C12,20,35,36,49,53,54,56,57,78,81 |
| 44. | | 0.01UF 0603 50V +/-20% | 10 | | | C8,16,38,39,42,45,50,60,68,74 |
| 45. | | 0.001UF 0603 50V +/-20% | 15 | | | C6,14,17,19,22,23,27,32,48,63,71 |
| 46. | | 47PF 50V +/-5% (NPO) | 1 | | 66 | 72.73,76,80 |
| 47. | | 0.0022UF 0603 50V +/-20% | 1 | | | C18 |
| 48. | | 0.0033UF 0603 50V +/-20% | 1 | | | C43 |
| 49. | | | | | | |
| 50. | ELECT CAP | 0.33UF 10V +/-20% (MINI) (3X5) | 1 | | | C44 |
| 51. | | 1UF 10V +/-20% (MINI) (3X5) | 2 | | | C21,33 |
| | | | | | | |

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|---|---|---|---|---|---|---|
| 52. | ELECT CAP | 10UF 10V +/-20% (MINI) (3X5) | 7 | | | C7,13,24,37,41,46,70 |
| 53. | | 220UF 16V +/-20% (MINI) | 1 | | | C27 |
| 54. | | 47UF 10V +/-20% (MINI) (3X5) | 1 | | | C47 |
| 55. | | | | | | |
| 56. | TRIMMER CAPACITOR | 3-10PF 5MM +/-250PPM | 1 | | | VC100 |
| 57. | | | | | | |
| 58. | TRANSISTOR | 2SC2996Y SOT-23 TYPE (NPN) | 4 | | | Q6,9,10,12 |
| 59. | | 2SC1623L SOP-23 TYPE (NPN) | 3 | | | Q3,8,11 |
| 60. | | 2SA812A SOP-23 TYPE (NPN) | 1 | | | Q2 |
| 61. | | | | | | |
| 62. | FET | 2SK210BL SOP-23 TYPE | 2 | | | Q4,5 |
| 63. | | 3SK131 SOP-23 TYPE | 1 | | | Q1 |
| 64. | | 2SK160 SOP-23 TYPE | 1 | | | Q7 |
| 65. | | | | | | |
| 66. | IFT | A001 IFT 5MM | 1 | | | VL5 |
| 67. | | A473GH IFT 5MM | 3 | | | VL2,3,7 |
| 68. | | A472BM IFT/5MM | 1 | | | VL1 |
| 69. | | A499 IFT/5MM | 1 | | | VL4 |
| 70. | | A476 IFT/5MM | 1 | | | VL8 |
| 71. | | A208 IFT/5MM | 1 | | | VL6 |
| 72. | | | | | | |
| 73. | REGULAR | 78L08A TO-92 | 1 | | | U2 |
| 74. | | | | | | |
| 75. | CMOS VOLTAGER REGULAR | HT-1030 TO-92 TYPE | 1 | | | U4 |
| 76. | SMD I.C | MC3361CD (SOP 16 PIN) | 1 | | | U1 |
| 77. | DUAL OP AMP I.C | LM358 (SOP 8 PIN) SMD TYPE | 1 | | | U3 |

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|---|---|---|---|---|---|---|
| 78. | MCU | ONE SET FROM (SUYNNY-TECH) | 1 | | | |
| 79. | | | | | | |
| 80. | SILICON DIODE | RLS135 LL-34 TYPE "ROHM" | 1 | | | D1 |
| 81. | | LL4148 LL-34 TYPE | 1 | | | D2 |
| 82. | | | | | | |
| 83. | VARIABLE CAP DIODE | BB133 SOD-323 | 3 | | | DV1,2,3 |
| 84. | | | | | | |
| 85. | V.R | 10KB +/-20% SMD TYPE | 2 | | | VR1,2 |
| 86. | | 500KB +/-20% SMD TYPE | 2 | | | VR3,4 |
| 87. | | | | | | |
| 88. | L.E.D | 3MM RED | 1 | | | LED1 |
| 89. | | | | | | |
| 90. | SLIDE SWITCH | 1P3T SS-13D03VG8 | 1 | | | SW1 |
| 91. | | | | | | |
| 92. | ROD ANTENNA | TA-77058 | 1 | | | ANT1 |
| 93. | | | | | | |
| 94. | CERAMIC FILTER | KBF-455P-15A | 1 | | | CF1 |
| 95. | | | | | | |
| 96. | CRYSTAL | 10.7MHZ +/-10PPM HC-49H TYPE | 1 | | | X2 |
| 97. | | 10.245MHZ +/-10PPM HC-49SH TYPE | 1 | | | X1 |
| 98. | | 75KHZ +/-20PPM AT-200 TYPE | 1 | | | X100 |
| 99. | | | | | | |
| 100. | HEADER | 2.0MM PITCH 9 PINS R/A TYPE HEADER P/N:W202H09G00 | 1 | | | FOR SUB-PCB |
| 101. | | ZH1.5MM 6 PINS S/T TYPE (P/N:W150V06T00) | 1 | | | FOR MAIN-PCB |
| | | | | | | |

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|---|---|---|---|---|---|---|
| 102. | PCB SOCKET | 2.0MM PITCH 9 PINS PCB SOCKET R/A TYPE P/N:W208H09T00 | 1 | | | FOR MCU |
| 103. | | | | | | |
| 104. | HOUSING | 6 PINS ZH1.5MM PITCH WITH JUMPER WIRE UL#1571 #32 L:60MM (P/N:62#60JW32U) | 1 | | | FOR SUB-PCB |
| 105. | | | | | | |
| 106. | SHIELD WIRE | 2 PINS ZH 1.5MM PITCH WITE PVC SINGLE SHIELD WIRE DIA:1.3, L:60MM (P/N: 2ZH60SSW) | 1 | | | FOR VCO |
| 107. | | | | | | |
| 108. | WAFER | 2PIN P=1.5 | 2 | | | |
| 109. | | | | | | |
| 110. | CONNECTOR WIRE | UL 1007 AWG#28 (4+72+4)MM RED | 1 | | | FOR ANT1 RX |
| 111. | | UL 1007 AWG#22 (180+4)MM YELLOW | 1 | | | FOR ANT2 TX |
| 112. | | UL 1007 #26 AWG 3+49+3 (BLACK) | 1 | | | J4 |
| 113. | | UL 1007 #26 AWG 3+74+3 (RED) | 1 | | | J5 |
| 114. | | | | | | |
| 115. | FIXED INDUCTOR | 2MH EC-24 +/-10% CW8A-822761 | 1 | | | L4 |
| 116. | | 10UH EC-24 +/-5% | 2 | | | L7,10 |
| 117. | | 100UH EC-24 +/-5% | 1 | | | L9 |
| 118. | | | | | | |
| 119. | SPRING COIL | R5T X D3 X 0.5MM | 2 | | | |
| 120. | | R6T X D3 X 0.5MM | 2 | | | |
| 121. | | R3T X D3 X 0.5MM | 1 | | | |
| 122. | | | | | | |
| 123. | P.C.BOARD | 75X34MM FR4 THK:1MM D/S (REV.1) | 1 | | | MAIN-PCB |
| 124. | | 43X34MM FR4 THK:1MM D/S (REV.1) | 1 | | | SUB-PCB |

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|---|---|---|---|---|---|---|
| 125. | SPRING WIRE #26 | 4.4X12.5X9(1/2)T | 1 | | | SAME AS CS-703 |
| 126. | BATTERY SPRING HEART TYPE 1.8MM | | 1 | | | |
| 127. | SHIELD PLATE | | 1 | | | SAME AS CS-703 |
| 128. | | | | | | |
| 129. | BRASS CONTACT COLUMN MK-202 | | 1 | | | SAME AS CS-703 |
| 130. | | | | | | |
| 131. | SCREW | TS PH 1.4 X 4 TA | 2 | | | FOR MCU PCB |
| 132. | | TS PH 2.6 X 12 TA | 1 | | | FOR CAB MTG |
| 133. | | TS PH 2.6 X 8 TA | 1 | | | FOR CAB MTG |
| 134. | PLAIN WASHER | I.D2.8 X O.D5.0 X 0.5MM | 1 | | | SAME AS CS-703 |
| 135. | | | | | | |
| 136. | PLASTIC CABINET | TOP CABINET | 1 | | | |
| 137. | | BOTTOM CABINET | 1 | | | |
| 138. | | SLIDE KNOB | 1 | | | |
| 139. | | LED HOLDER | 1 | | | |
| 140. | | | | | | |
| 141. | CE LABEL | 20X15MM | 1 | | | |
| 142. | FUNCTION LABEL | 25X20MM | 1 | | | |
| 143. | QA & QC LABEL | | 1 | | | |
| 144. | DATE CODE LABEL | | 1 | | | |
| 145. | INSTRUCTION SHEET | | 1 | | | |
| 146. | | | | | | |
| 147. | BLISTER COVER | | 1 | | | |
| 148. | BLISTER CARD | | 1 | | | |
| 149. | INNER BOX | | 1 - ( ) | | | |
| 150. | EXPORT CARTOR | | 1 - ( ) | | | |

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