

# MUSICAL ELECTRONICS LIMITED

## BILL OF MATERIAL (ELECTRONIC PARTS ONLY)

MODEL NO.: MP620TR

BRAND NAME: MAXX DIGITAL

PREPARED BY: Y.J.Zhang

M.C.FORM NO.: SA700294 / MCA70294

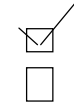
CHECKED BY:

DESCRIPTION: 2GB BUILT-IN FLASH MEMORY ,MP3/WMA PLAYER. WITH FM Transmitter

APPROVED BY:

ISSUED DATE : 2007-05-24

REV. DATE :



PRELIMINARY



FINAL

| NO.                   | PART NO.          | DESCRIPTION             | SPECIFICATION                                       | QTY | LOCATION                                                                  | REMARK |
|-----------------------|-------------------|-------------------------|-----------------------------------------------------|-----|---------------------------------------------------------------------------|--------|
| 1                     | 070E0212          | USB CABLE               | USBCABLE MINI USB-5P                                | 1   |                                                                           |        |
| 2                     | 093R03F           | BATTERY                 | BATTERY R03F 1.5V G-ENERGY                          | 1   |                                                                           |        |
| 3                     | 098SF809LBKXX     | EARPHONE                | EARPHONE SF809                                      | 1   |                                                                           |        |
| 4                     |                   | CD-ROM DRIVER           | FOR WIN. 98                                         | 1   |                                                                           |        |
| <b>AMP55001MB</b>     |                   |                         |                                                     |     |                                                                           |        |
| 5                     | 032E56D           | MIC                     | CZ036FP363 56DB                                     | 1   | MIC1                                                                      |        |
| 6                     | 036E0076          | CRYSTAL                 | 24 MHZ +/-10%PPM 12PF 2 X 6MM                       | 1   | Y1                                                                        |        |
| 7                     |                   | CRYSTAL                 | 7.6MHZ 3 x 9 MM (LF)                                | 1   | Y2                                                                        |        |
| 8                     | 047MP113301       | BATTERY SPRING          | BATTERY SPRING (+)                                  | 1   | VB                                                                        |        |
| 9                     | 047MP113302       | BATTERY SPRING          | BATTERY SPRING(-)                                   | 1   | VG                                                                        |        |
| 10                    | 071EDYG962601     | LCM ( MODULE )          | DYG9626-01                                          | 1   | LCD1                                                                      |        |
| 11                    | 119E3811B         | LED REFLECTOR           | BACKLIGHT 3811B ( BLUE COLOR )                      | 1   | LED1                                                                      |        |
| 12                    | 134E0007B         | USB JACK                | 5PIN MINI MJE-P-0088                                | 1   | J2                                                                        |        |
| <b>AMP55001MB-SMT</b> |                   |                         |                                                     |     |                                                                           |        |
| 13                    | 010EMFP11801B01   | P.C.B. MAIN BOARD       | (MP3 W/FM Transmitter) 4 LAYER 62.2 X 54.4 X 1.0 MM | 1   | MAIN BOARD                                                                |        |
| 14                    | 011E0468          | INDUCTOR COIL           | 600 OHM 100 MHZ (TB160808U601)                      | 6   | L2,L3,L4,L6,L7,L9                                                         |        |
| 15                    |                   | INDUCTOR COIL           | 56nH 0603 SIZE                                      | 1   | L8                                                                        |        |
| 16                    | 011E0500          | CHIP BEAD               | 68 Ohms @ 100MHz(TB160808U680)                      | 1   | L5                                                                        |        |
| 17                    | 011E0399          | SMD POWER INDUCTOR COIL | MT3225-4R7M(4.7UH +/-20%)(EN9067A)                  | 1   | L1                                                                        |        |
| 18                    | 0141-010209-50700 | CERAMIC CHIP CAP        | 0.001UF X7R +/-10% 50V 0402                         | 3   | C25,C26,C50                                                               |        |
| 19                    | 0141-010309-60700 | CERAMIC CHIP CAP        | 0.01UF X7R +/-10% 50V 0402                          | 6   | C1,C5,C34,C35,C48,C60                                                     |        |
| 20                    | 0141-010406-60700 | CERAMIC CHIP CAP        | 0.1UF +/-20% 16V 0402                               | 19  | C2,C7,C10,C11,C14,C15,C16,C17,C20,C21,C22,C23,C24,C27,C30,C43,C46,C49,C61 |        |
| 21                    | 0141-010503-60800 | CERAMIC CHIP CAP        | 1UF +80/-20% 10V 0402                               | 8   | C8,C12,C18,C19,C54,C55,C63,C66                                            |        |
| 22                    | 0141-010603-52400 | CERAMIC CHIP CAP        | 10UF 10V +/-10% SIZE: 0805                          | 6   | C52,C53,C56,C57,C68,C70                                                   |        |
| 23                    | 0141-015109-40500 | CERAMIC CHIP CAP        | 150PF +/-5% 50V 0402                                | 2   | C3,C65                                                                    |        |
| 24                    | 0141-018009-40500 | CERAMIC CHIP CAP        | 18PF (NPO) +/-5% 50V 0402                           | 1   | C42                                                                       |        |
| 25                    | 0141-020009-40500 | CERAMIC CHIP CAP        | 20PF +/-5% 50V 0402                                 | 2   | C28,C29                                                                   |        |

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| 26  | 0141-022207-50700 | CERAMIC CHIP CAP           | 0.0022UF +/-10% 25V 0402                | 3   | C31,C38,C51                              |        |
| 27  | 0141-022403-60800 | CERAMIC CHIP CAP           | 0.22UF +80/-20% 10V 0402                | 1   | C69                                      |        |
| 28  | 0141-027009-40500 | CERAMIC CHIP CAP           | 27PF (NPO) +/-5% 50V 0402               | 2   | C6,C47                                   |        |
| 29  | 0141-033009-40500 | CERAMIC CHIP CAP           | 33PF +/-5% 50V 0402                     | 1   | C45                                      |        |
| 30  | 0141-033107-40500 | CERAMIC CHIP CAP           | 330PF +/-5% 25V 0402                    | 1   | C41                                      |        |
| 31  | 0141-047306-50700 | CERAMIC CHIP CAP           | 0.047 UF +/-10% 16V 0402                | 2   | C13,C37                                  |        |
| 32  | 0141-006009-40500 | CERAMIC CHIP CAP           | 6PF NPO +/-5% 50V 0402                  | 2   | C39,C40                                  |        |
| 33  | 0141-082009-40500 | CERAMIC CHIP CAP           | 82PF NPO +/-5% 50V 0402                 | 1   | C44                                      |        |
| 34  | 0151-110702-60100 | TANTALUM CAP.              | 100UF 6.3V +/-20% SIZE: B               | 3   | C4,C58,C59                               |        |
| 35  | 01522704MB02      | TANTALUM CAP.              | 220UF 4V SIZE: B                        | 3   | C32,C33,C64                              |        |
| 36  | 0151-147600-60000 | TANTALUM CAP.              | 47UF 4V +/-20% SIZE: A (LF)             | 1   | C62                                      |        |
| 37  | 019E1278          | IC CHIPS                   | STMP3507XXLAEB6N                        | 1   | U1                                       |        |
| 38  | 019E1538          | IC CHIPS                   | HY27UV08AG5M-TPCB ( NAND FLASH 2 GB )   | 1   | U2 (FOR MODEL : MP620TR)                 |        |
| 39  |                   | IC CHIPS                   | BH1418FV (FM Transmitter)               | 1   | U3                                       |        |
| 40  |                   | VARIABLE CAPACITANCE DIODE | VARIABLE CAPACITANCE DIODE KV1471 SOT23 | 1   | VD1                                      |        |
| 41  | 0221-300000-41100 | RESISTOR CHIP FIXED        | 0 OHM 1/16W +/-5% 0402                  | 2   | R4,R27                                   |        |
| 42  | 0221-301010-41100 | RESISTOR CHIP FIXED        | 100 OHM 1/16W +/-5% 0402                | 3   | R17,R18,R38                              |        |
| 43  | 0221-301020-41100 | RESISTOR CHIP FIXED        | 1K OHM 1/16W +/-5% 0402                 | 1   | R45                                      |        |
| 44  | 0221-301030-41100 | RESISTOR CHIP FIXED        | 10K OHM 1/16W +/-5% 0402                | 11  | R3,R5,R6,R13,R14,R15,R20,R32,R33,R43,R63 |        |
| 45  | 0221-301040-41100 | RESISTOR CHIP FIXED        | 100K OHM 1/16W +/-5% 0402               | 3   | R22,R37,R62                              |        |
| 46  | 0221-301600-41100 | RESISTOR CHIP FIXED        | 16 OHM 1/16W +/-5% 0402                 | 2   | R19,R36                                  |        |
| 47  | 0221-302030-41100 | RESISTOR CHIP FIXED        | 20K OHM 1/16W +/-5% 0402                | 1   | R41                                      |        |
| 48  | 0221-302220-41100 | RESISTOR CHIP FIXED        | 2.2K OHM 1/16W +/-5% 0402               | 4   | R1,R2,R8,R9                              |        |
| 49  | 0221-302230-41100 | RESISTOR CHIP FIXED        | 22K OHM 1/16W +/-5% 0402                | 2   | R31,R35                                  |        |
| 50  | 0221-302400-41100 | RESISTOR CHIP FIXED        | 24 OHM 1/16W +/-1% 0402                 | 1   | R64                                      |        |
| 51  | 0221-303320-41100 | RESISTOR CHIP FIXED        | 3.3K OHM 1/16W +/-5% 0402               | 2   | R40,R42                                  |        |
| 52  | 0221-304730-41100 | RESISTOR CHIP FIXED        | 47K OHM 1/16W +/-5% 0402                | 8   | R10,R11,R12,R16,R21,R28,R34,R39          |        |
| 53  | 0221-306210-41100 | RESISTOR CHIP FIXED        | 620 OHM 1/16W +/-1% 0402                | 1   | R7                                       |        |

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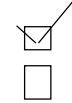
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| 54  | 0221-306810-41100 | RESISTOR CHIP FIXED | 680 OHM 1/16W +/-5% 0402          | 1   | R26         |        |
| 55  | 023E0425          | TRANSISTOR          | SST3904T116 NPN SOT23             | 1   | Q6          |        |
| 56  | 023E0424          | TRANSISTOR          | SST3906T116 PNP SOT23             | 2   | Q2,Q4       |        |
| 57  |                   | TRANSISTOR          | 2SD2142K NPN SOT23                | 1   | Q3          |        |
| 58  | 023E0478          | MOSFET              | AM2327P SOT-23                    | 1   | Q1          |        |
| 59  | 026E0424          | SLIDE SWITCH        | MSS-22C02TG 1.5MM 2P2T SMD        | 1   | HOLD        |        |
| 60  | 027E0124          | HEADPHONE JACK      | 3.5MM SMD TYPE STM-35033A "BLACK" | 1   | J1          |        |
| 61  | 026E0375          | TACT SWITCH         | CT2607M SMD TYPE                  | 4   | K1,K4,K5,K6 |        |
| 62  | 026E0405          | TACT SWITCH         | TACT SWITCH TC-26402 SMD          | 2   | K2,K3       |        |