

**STORED PROGRAM SOUND SOURCE MODEL 208 REV2.1****BILL OF MATERIALS REV 1.1****CARD 11 - LPG 2****SEMICONDUCTORS**

| VALUE  | DESIGNATOR | QTY | DESCRIPTION | MOUSER PART# |
|--------|------------|-----|-------------|--------------|
| 1N457  | D1         | 1   |             | 512-1N457    |
| 1N5228 | D2         | 1   |             | 512-1N5228B  |
| CD4066 | IC1, IC4   | 2   | DIP14       | 595-CD4066BE |
| RC4136 | IC2, IC3   | 2   | DIP14       | 595-RC4136N  |
| 2N4340 | Q1         | 1   |             | EBAY         |
| 2N1711 | Q2         | 1   |             | 610-2N1711   |

**CAPACITORS**

| VALUE   | DESIGNATOR | QTY | DESCRIPTION    | MOUSER PART#        |
|---------|------------|-----|----------------|---------------------|
| 220pF   | C1         | 1   | CERAMIC        | 581-SA101A221JAR    |
| 1000pF  | C2, C6     | 2   | CERAMIC        | 581-SA105A102JAR    |
| 4.7nF   | C3         | 1   | FILM           | 598-185472J100RAA-F |
| 1uF     | C4, C5     | 2   | TANTALUM AXIAL | 74-173D105X9035VE3  |
| 47pF    | C7         | 1   | CERAMIC        | 581-SA102A470JAR    |
| 10000pF | C8         | 1   | CERAMIC        | 581-SA105C103K      |

**RESISTORS**

| VALUE  | DESIGNATOR                                   | QTY | DESCRIPTION | MOUSER PART# |
|--------|--|-----|-------------|--------------|
| 1M     | R1, R2, R7, R8, R10, R11, R13, R14, R15, R29 | 10  | 1/4W 5%     | 291-1M-RC    |
| 3K3    | R3, R41                                      | 2   | 1/4W 5%     | 291-3.3K-RC  |
| 10K 1% | R4, R26, R27, R30, R38                       | 5   | 1/4W 1%     | 271-10K-RC   |
| 68K    | R5, R44, R45                                 | 3   | 1/4W 5%     | 291-68K-RC   |
| 220K   | R6   | 1   | 1/4W 5%     | 291-220K-RC  |
| 6K8    | R9, R48, R50                                 | 3   | 1/4W 5%     | 291-6.8K-RC  |
| 4K7    | R12  | 1   | 1/4W 5%     | 291-4.7K-RC  |
| 330K   | R16  | 1   | 1/4W 5%     | 291-330K-RC  |
| 1K     | R17, R31, R37                                | 3   | 1/4W 5%     | 291-1K-RC    |
| 10K    | R18, R20, R46, R47                           | 4   | 1/4W 5%     | 291-10K-RC   |
| 33K    | R19, R21                                     | 2   | 1/4W 5%     | 291-33K-RC   |
| 18K    | R22  | 1   | 1/4W 5%     | 291-18K-RC   |
| 2M2    | R23, R24, R32, R33                           | 4   | 1/4W 5%     | 291-2.2M-RC  |
| 300K   | R25  | 1   | 1/4W 5%     | 291-300K-RC  |
| 200K   | R28  | 1   | 1/4W 5%     | 291-200K-RC  |
| 15K    | R34, R35, R49                                | 3   | 1/4W 5%     | 291-15K-RC   |
| 220R   | R36  | 1   | 1/4W 5%     | 291-220-RC   |
| 10M    | R39  | 1   | 1/4W 5%     | 291-10M-RC   |
| 330R   | R40  | 1   | 1/4W 5%     | 291-330-RC   |
| 1K 1%  | R42  | 1   | 1/4W 1%     | 271-1K-RC    |
| 100R   | R43  | 1   | 1/4W 5%     | 291-100-RC   |

**MISC**

| VALUE  | DESIGNATOR | QTY | DESCRIPTION         | MOUSER PART#  |
|--------|------------|-----|---------------------|---|
|        | MOLEX1     | 2   | 6 PIN ANGLED FEMALE | 538-09-52-1066  |
| VTL5C3 | VT1, VT2   | 2   | SINGLE VACTROL      | <a href="http://smallbear-electronics.mybigcommerce.com/photocoupler-xvive-vtl5c3-work-alike/">http://smallbear-electronics.mybigcommerce.com/photocoupler-xvive-vtl5c3-work-alike/</a> |