



## Bill of Materials for the LV47009PGEVB Evaluation Board

| Designator | Quantity | Description            | Value       | Tolerance | Footprint     | Manufacturer             | Manufacturer Part Number | Substitution Allowed | Lead Free  |
|------------|----------|------------------------|-------------|-----------|---------------|--------------------------|--------------------------|----------------------|------------|
| <b>IC1</b> | <b>1</b> | <b>Power Amplifier</b> | <b>-</b>    | <b>-</b>  | <b>HZIP25</b> | <b>ON Semiconductor</b>  | <b>LV47009P</b>          | <b>No</b>            | <b>Yes</b> |
| C1~C5      | 5        | IN capacitor           | 0.47uF/ 50V | 10%       | 2.5mm         | Murata Manufacturing     | RPER71H474K2S1C0         | Yes                  | Yes        |
| C6         | 1        | DC capacitor           | 22uF /50V   | 20%       | D:5mm         | nichicon                 | UVR1H220MDD              | Yes                  | Yes        |
| C7         | 1        | Vcc capacitor          | 2200uF /25V | 20%       | D:12.5mm      | nichicon                 | UVR1E222MHD              | Yes                  | Yes        |
| C8         | 1        | Vcc capacitor          | 0.1uF /50V  | 10%       | 2.5mm         | Murata Manufacturing     | RPER71H104K2S1A0         | Yes                  | Yes        |
| C9         | 1        | Mute capacitor         | 1uF/ 50V    | 20%       | D:4mm         | nichicon                 | USR1H010MDD              | Yes                  | Yes        |
| R1         | 1        | Mute resistance        | 10kΩ/0.1W   | ±5%       | Through Hole  | Tyco Electronics         | CFR25J10K                | Yes                  | Yes        |
| R2         | 1        | Pull-up resistance     | 4.7kΩ/0.1W  | ±5%       | Through Hole  | Tyco Electronics         | CFR25J4K7                | Yes                  | Yes        |
| TP1-TP22   | 22       | Test points            | -           | -         | -             | MAC8                     | ST-2-2                   | Yes                  | Yes        |
| JP1~JP2    | 2        | cable                  | -           | -         | -             | SWCC SHOWA CABLE SYSTEMS | AWG28 black              | Yes                  | Yes        |