

DIGITAL AUDIO PLAYER CASE3CARD

PCB Function: -

It is **MP3** player with nonvolatile flash memory where digitally compressed songs are stored in **MP3** formats. While playing the song the data is decompressed and played on to headphone or speakers. This was a mixed connector, containing Analog and Digital circuits.

Analog and digital circuits were placed separately and care was taken while routing that the analog and digital signals do not mix together. Some of the tracks were guarded. The components are placed on both sided, whatever the options customer asked was provided. Track thickness used is 6 mills and with the spacing of 6 mills. This project was completed with in 8 to 10 days and total man-hour spent on this are 53 hours.

This card worked for first time. The reception of this card was excellent and noise free.

VITAL STATISTICS

- Length 42.7 mm.
- Width 87.01 mm.
- Thickness 1.0mm
- No. of layers 2
- Component count 138
- Nets 158 (499 total connections)
- Vias 342
- Track thickness and spacing 6 mills
- Board frequency
- No. of hours taken 53 Hrs.

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