

DIGITAL AUDIO PLAYER CASE1 CARD

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.

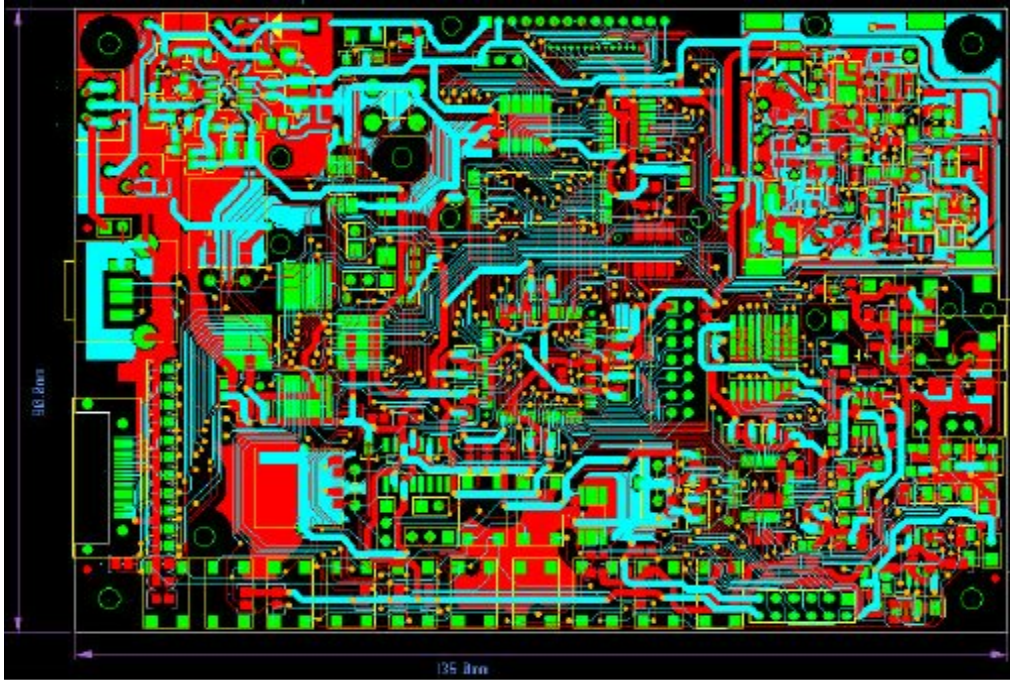
Analog and digital circuits were placed separately and care was taken while routing that the analog and digital signals do not mix together. Some of the tracks were guarded. The components are placed on both sides, whatever the options customer asked was provided. Track thickness used is 8 mills and with the spacing of 8 mills. This project was completed within 8 to 10 days and total man-hour spent on this are 92 hours.

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

VITAL STATISTICS

- Length 135.0 mm.
- Width 90.0 mm.
- Thickness 1.6mm
- No. of layers 2
- Component count 331
- Nets 287 (1167 total connections)
- Vias 551
- Track thickness and spacing 8 mills
- Board frequency
- No. of hours taken 92 Hrs.

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KAMAL ELEKTRONIX
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