

## **Case Study 2 - PCBA**

# Case Study 2 - PCBA



## ☐ Background

- ☐ Customer wants to reuse their fast moving existing design where 3 types of 4PDT Relays were obsolete

## ☐ Scope

- ☐ Identify and replace with an exact functional Relay.

## ☐ Challenges

- \* Replacement Part BOM Qty increased by almost 200%
- \* Retaining same Board Dimension.
- \* Component population allowed on only TOP side.
- \* All existing electrical parameters to be maintained.

## ☐ Our Solution

- ☐ As all MFRs discontinued 4PDT Relays, Suggested DPDT Relay as replacement with a minor design change.
- ☐ Each 4PDT Relay replaced by 2 No X DPDT + a Coil Protection Diode.

## ☐ Final Delivery and Schedule

On Time Delivery with new solution (with addition of 106 parts in place of 39 parts within the same space), completed in a cycle time of 14 working days.

