

## Design Rules Verification Report

Filename : E:\aKaReZa\#gitHub\eBoard\_ATMEGA328\ATMEGA328\PCB.PcbDoc

Warnings 0  
Rule Violations 0  
Waived Violations 4

| Warnings |   |
|----------|---|
| Total    | 0 |

| Rule Violations  |   |
|--|---|
| Clearance Constraint (Gap=0.2mm) (All),(All)   | 0 |
| Clearance Constraint (Gap=0.25mm) (All),(InPolygon)  | 0 |
| Short-Circuit Constraint (Allowed=No) (All),(All)  | 0 |
| Un-Routed Net Constraint ( All) )  | 0 |
| Modified Polygon (Allow modified: No), (Allow shelved: No)   | 0 |
| Width Constraint (Min=0.2mm) (Max =10mm) (Preferred=0.3mm) (All)   | 0 |
| Routing Layers(All)  | 0 |
| Routing Via (MinHoleWidth=0.4mm) (Max HoleWidth=3mm) (PreferredHoleWidth=0.4mm) (MinWidth=0.7mm)               | 0 |
| Differential Pairs Uncoupled Length using the Gap Constraints (Min=0.254mm) (Max =0.254mm) (Preferred=0.254mm) | 0 |
| Power Plane Connect Rule(Relief Connect )(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)       | 0 |
| Minimum Annular Ring (Minimum=0.15mm) (All)  | 0 |
| Acute Angle Constraint [Tracks Only] (Minimum=60.000) (All)  | 0 |
| Hole Size Constraint (Min=0.4mm) (Max =10mm) (All)   | 0 |
| Hole To Hole Clearance (Gap=0.3mm) (All),(All)   | 0 |
| Minimum Solder Mask Sliver (Gap=0.01mm) (All),(All)  | 0 |
| Silk To Solder Mask (Clearance=0.01mm) (IsPad),(All)   | 0 |
| Net Antennae (Tolerance=0mm) (All)   | 0 |
| Board Clearance Constraint (Gap=0mm) (All)   | 0 |
| Height Constraint (Min=0mm) (Max =25.4mm) (Preferred=12.7mm) (All)   | 0 |
| Total  | 0 |

| Waived Violations                           |   |
|---|---|
| Minimum Annular Ring (Minimum=0.15mm) (All) | 4 |
| Total                                       | 4 |

| Minimum Annular Ring (Minimum=0.15mm) (All)  |  |
|--|--|
| Minimum Annular Ring: (No Ring) Pad P1-H1(2.667mm,54.737mm) on Multi-Layer (Annular Ring missing on Top Layer)Waived by aKaReZa a  |  |
| Minimum Annular Ring: (No Ring) Pad P1-H2(7.747mm,2.667mm) on Multi-Layer (Annular Ring missing on Top Layer)Waived by aKaReZa a   |  |
| Minimum Annular Ring: (No Ring) Pad P1-H3(35.687mm,2.667mm) on Multi-Layer (Annular Ring missing on Top Layer)Waived by aKaReZa a  |  |
| Minimum Annular Ring: (No Ring) Pad P1-H4(50.927mm,53.467mm) on Multi-Layer (Annular Ring missing on Top Layer)Waived by aKaReZa a |  |

| Reference point outside the component area: Small Component J2-Female (14.224mm,72.771mm) on Top Layer |  |
|--|--|
|  |  |

| Self-intersection: Region (0 hole(s)) Top Layer (9.273mm,29.045mm) |  |
|--|--|
|  |  |