

Design Rules Verification Report

Filename : E:\aKaReZa\#gitHub\Board_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(126.873mm,80.137mm) on Multi-Layer (Annular Ring missing on Top Layer)Waived by aKaReZa a | |
| Minimum Annular Ring: (No Ring) Pad P1-H2(131.953mm,28.067mm) on Multi-Layer (Annular Ring missing on Top Layer)Waived by aKaReZa a | |
| Minimum Annular Ring: (No Ring) Pad P1-H3(159.893mm,28.067mm) on Multi-Layer (Annular Ring missing on Top Layer)Waived by aKaReZa a | |
| Minimum Annular Ring: (No Ring) Pad P1-H4(175.133mm,78.867mm) on Multi-Layer (Annular Ring missing on Top Layer)Waived by aKaReZa a | |

| Reference point outside the component area: Small Component J2-Female (138.43mm,98.171mm) on Top Layer | |
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| Self-intersection: Region (0 hole(s)) Top Layer (133.479mm,54.445mm) | |
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