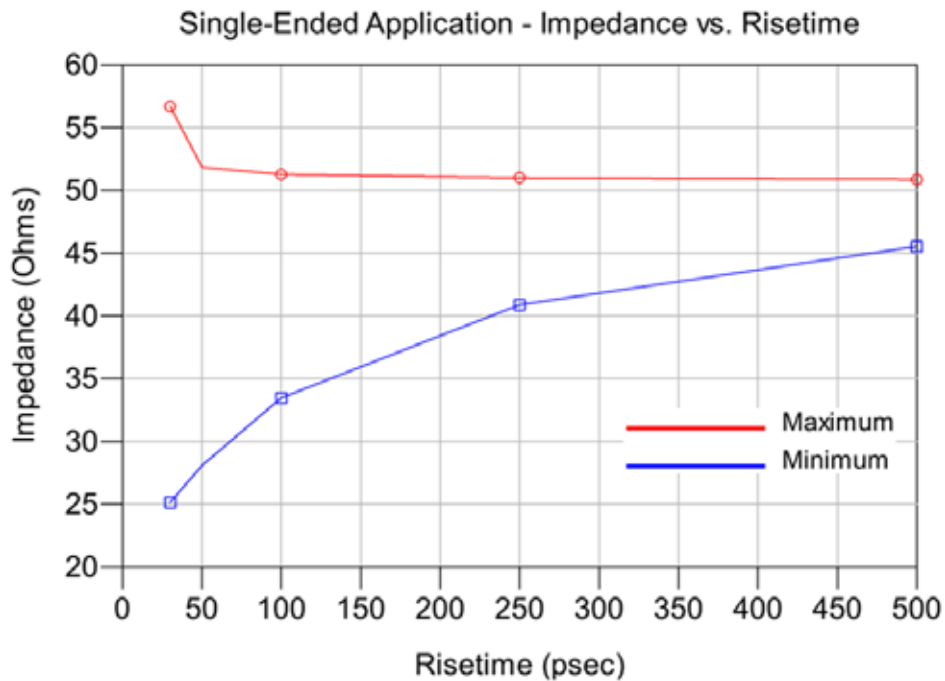


Series: QTH/QSH

Description: High Speed Ground Plane Header, 0.5mm (.0197") Pitch, 16mm (.630") Stack Height

Time Domain Data Summary

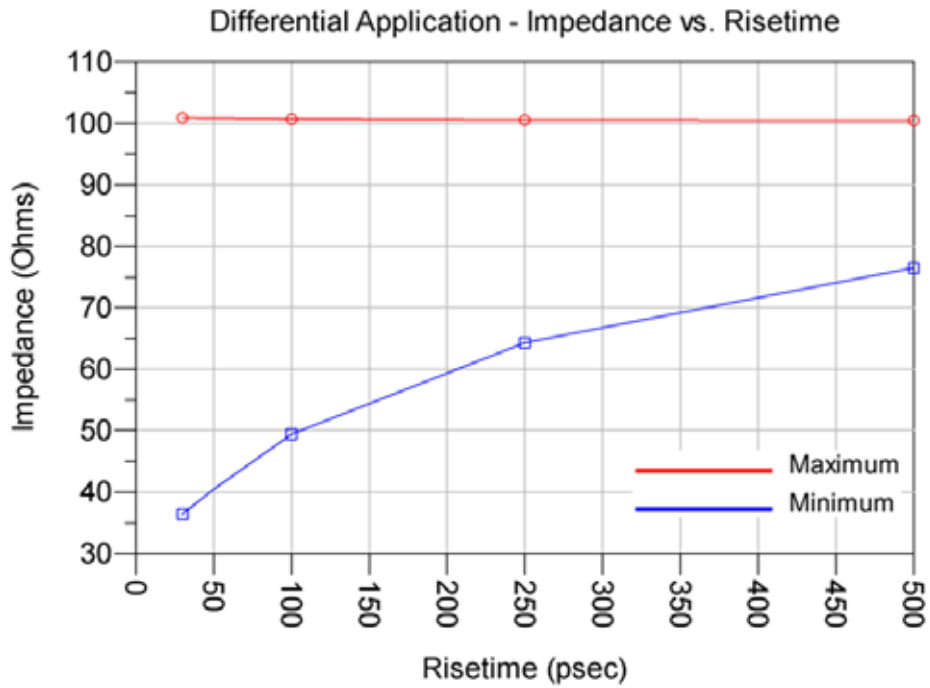
| Table 3 – Single-End Impedance (Ω) | | | | | |
|---|-------|-------|--------|--------|--------|
| Signal Risetime | 30 ps | 50 ps | 100 ps | 250 ps | 500 ps |
| Maximum Impedance | 56.7 | 51.8 | 51.3 | 51 | 50.9 |
| Minimum Impedance | 25.1 | 28.1 | 33.5 | 40.9 | 45.5 |



Series: QTH/QSH

Description: High Speed Ground Plane Header, 0.5mm (.0197") Pitch, 16mm (.630") Stack Height

| Table 4 - Differential Impedance (Ω) | | | | | |
|---|-------|-------|--------|--------|--------|
| Signal Risetime | 30 ps | 50 ps | 100 ps | 250 ps | 500 ps |
| Maximum Impedance | 100.9 | 100.8 | 100.7 | 100.5 | 100.5 |
| Minimum Impedance | 36.4 | 40.4 | 49.4 | 64.3 | 76.5 |



Series: QTH/QSH

Description: High Speed Ground Plane Header, 0.5mm (.0197") Pitch, 16mm (.630") Stack Height

| Table 5 - Single-Ended Crosstalk (%) | | | | | | |
|--------------------------------------|-------|------|-------|--------|--------|--------|
| Input(tr) | | 30ps | 50 ps | 100 ps | 250 ps | 500 ps |
| NEXT | GAQG | 23.2 | 22.1 | 21.1 | 15.5 | 9.2 |
| | GAGQG | 3.1 | 2.7 | 2.3 | 1.4 | 0.9 |
| | Xrow | 0.3 | 0.2 | < 0.1% | < 0.1% | < 0.1% |
| FEXT | GAQG | 3.7 | 2.7 | 1.8 | 1.3 | 0.8 |
| | GAGQG | 2.4 | 2.0 | 1.3 | 0.5 | 0.3 |
| | Xrow | 0.3 | 0.2 | < 0.1% | < 0.1% | < 0.1% |

| Table 6 - Differential Crosstalk (%) | | | | | | |
|--------------------------------------|---------|--------|--------|--------|--------|--------|
| Input(tr) | | 30ps | 50 ps | 100 ps | 250 ps | 500 ps |
| NEXT | GAAQQG | 7.5 | 7.3 | 6.9 | 5.1 | 3.3 |
| | GAAGQQG | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 |
| | Xrow | < 0.1% | < 0.1% | < 0.1% | < 0.1% | < 0.1% |
| FEXT | GAAQQG | 4.2 | 3.7 | 3.1 | 2.4 | 1.6 |
| | GAAGQQG | 0.3 | 0.3 | 0.3 | < 0.1% | < 0.1% |
| | Xrow | < 0.1% | < 0.1% | < 0.1% | < 0.1% | < 0.1% |

| Table 7 - Propagation Delay (Mated Connector) | |
|---|--------|
| Single-Ended | 107 ps |
| Differential | 94 ps |