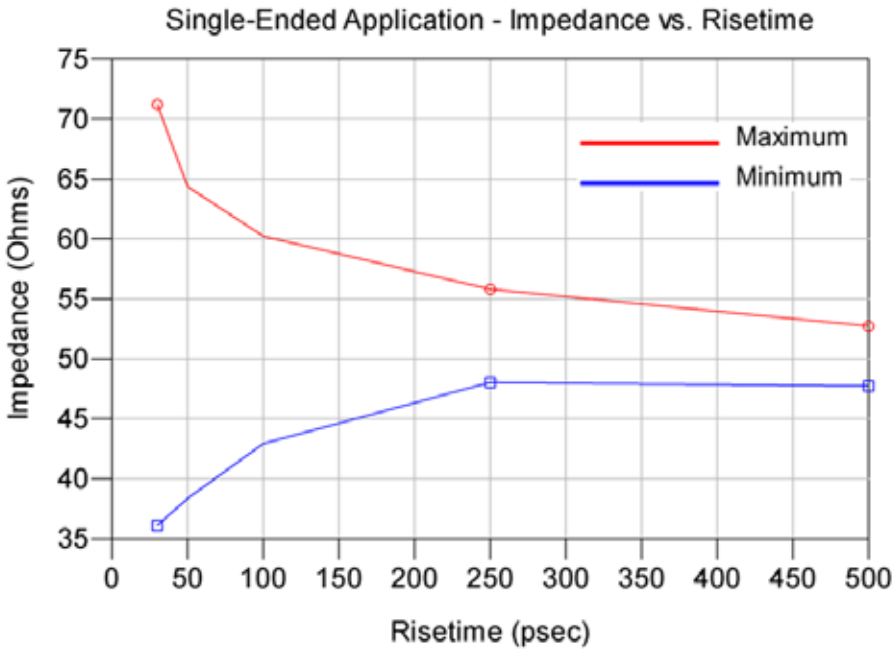
**Series:** QTE/QSE
**Description:** High Speed Ground Plane Header, 0.8mm (.0315") Pitch, 16mm (.630") Stack Height

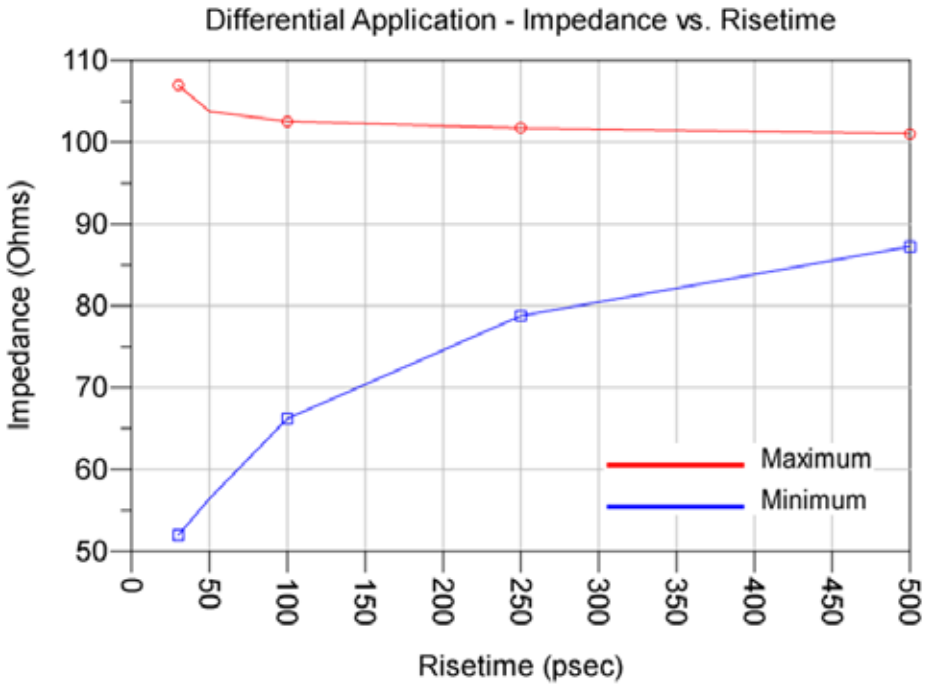
## Time Domain Data Summary

| Table 3 – Single-End Impedance (Ω) | | | | | |
|---|---|---|---|---|---|
| **Signal Risetime** | **30 ps** | **50 ps** | **100 ps** | **250 ps** | **500 ps** |
| **Maximum Impedance** | 71.2 | 64.4 | 60.2 | 55.8 | 52.7 |
| **Minimum Impedance** | 36.1 | 38.3 | 42.9 | 48 | 47.7 |



**Series:** QTE/QSE
**Description:** High Speed Ground Plane Header, 0.8mm (.0315") Pitch, 16mm (.630") Stack Height

| Table 4 - Differential Impedance (Ω) | | | | | |
|---|---|---|---|---|---|
| **Signal Risetime** | **30 ps** | **50 ps** | **100 ps** | **250 ps** | **500 ps** |
| **Maximum Impedance** | 106.9 | 103.8 | 102.5 | 101.7 | 101 |
| **Minimum Impedance** | 52 | 56.4 | 66.2 | 78.8 | 87.2 |



**Series:** QTE/QSE
**Description:** High Speed Ground Plane Header, 0.8mm (.0315") Pitch, 16mm (.630") Stack Height

| Table 5 - Single-Ended Crosstalk (%) | | | | | | |
|---|---|---|---|---|---|---|
| **Input(tr)** | | **30ps** | **50 ps** | **100 ps** | **250 ps** | **500 ps** |
| NEXT | GAQG | 21.0 | 19.5 | 18.3 | 13.6 | 8.3 |
| | GAGQG | 4.4 | 3.8 | 2.6 | 1.8 | 1.1 |
| | Xrow | 0.9 | 0.5 | 0.2 | <0.1% | <0.1% |
| FEXT | GAQG | 4.9 | 3.5 | 2.8 | 2.1 | 1.2 |
| | GAGQG | 3.4 | 2.7 | 1.7 | 0.7 | 0.4 |
| | Xrow | 0.6 | 0.4 | 0.1 | <0.1% | <0.1% |

| Table 6 - Differential Crosstalk (%) | | | | | | |
|---|---|---|---|---|---|---|
| **Input(tr)** | | **30ps** | **50 ps** | **100 ps** | **250 ps** | **500 ps** |
| NEXT | GAAQQG | 6.0 | 5.6 | 5.3 | 3.9 | 2.4 |
| | GAAGQQG | 0.7 | 0.5 | 0.4 | 0.3 | 0.2 |
| | Xrow | 0.1 | <0.1% | <0.1% | <0.1% | <0.1% |
| FEXT | GAAQQG | 2.2 | 1.6 | 0.9 | 0.7 | 0.4 |
| | GAAGQQG | 0.5 | 0.4 | 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** | 129 ps |
| **Differential** | 121 ps |