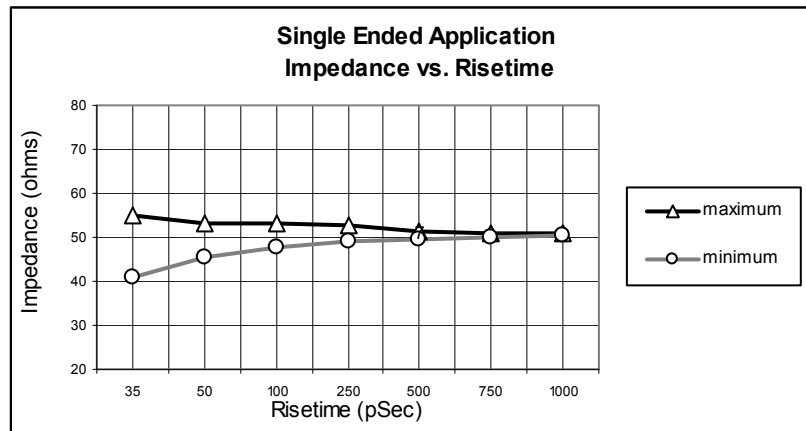


Series: QTH / QSH

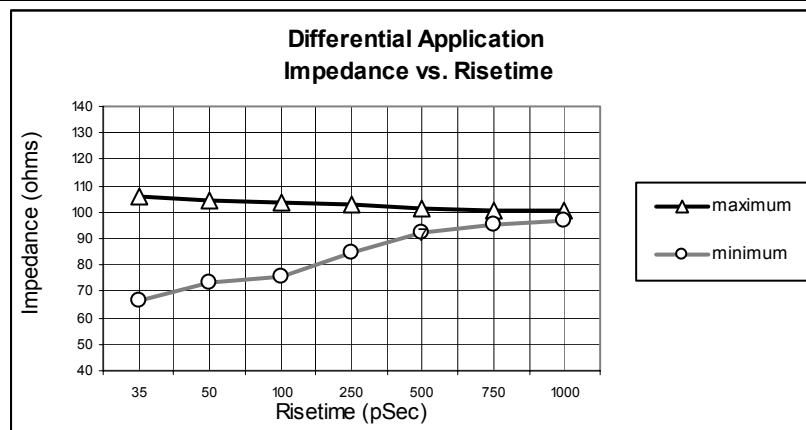
Description: Parallel Board-to-Board, 0.5mm Pitch, 8mm (0.315") Stack Height

Time Domain Data Summary

| Table 3 - Single-Ended Impedance (Ω) | | | | | | | |
|---|--------------|-------|--------|--------|--------|--------|------|
| Signal Risetime | 30 \pm 5ps | 50 ps | 100 ps | 250 ps | 500 ps | 750 ps | 1 ns |
| Maximum Impedance | 55.0 | 53.3 | 53.2 | 52.9 | 51.6 | 50.9 | 50.8 |
| Minimum Impedance | 40.9 | 45.3 | 47.8 | 48.9 | 49.7 | 50.0 | 50.0 |



| Table 4 - Differential Impedance (Ω) | | | | | | | |
|---|--------------|-------|--------|--------|--------|--------|-------|
| Signal Risetime | 30 \pm 5ps | 50 ps | 100 ps | 250 ps | 500 ps | 750 ps | 1 ns |
| Maximum Impedance | 105.6 | 104.5 | 104.0 | 102.7 | 101.1 | 100.5 | 100.0 |
| Minimum Impedance | 66.9 | 73.6 | 75.9 | 84.8 | 92.3 | 95.0 | 96.5 |



Series: QTH / QSH

Description: Parallel Board-to-Board, 0.5mm Pitch, 8mm (0.315") Stack Height

| Table 5 - Single-Ended Crosstalk (%) | | | | | | | | |
|--------------------------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|
| Input (t _r) | | 30±5ps | 50 ps | 100 ps | 250 ps | 500 ps | 750 ps | 1 ns |
| NEXT | GAQG | 18.8 | 18.0 | 16.4 | 10.0 | 5.8 | 4.0 | 3.1 |
| | GAGQG | 6.0 | 3.2 | 2.5 | 1.7 | 1.0 | < 1.0% | < 1.0% |
| | Xrow ^{se} | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% |
| FEXT | GAQG | 6.0 | 3.8 | 2.1 | < 1.0% | < 1.0% | < 1.0% | < 1.0% |
| | GAGQG | 3.5 | 2.3 | 1.6 | < 1.0% | < 1.0% | < 1.0% | < 1.0% |
| | Xrow ^{se} | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% |

| Table 6 - Differential Crosstalk (%) | | | | | | | | |
|--------------------------------------|----------------------|--------|--------|--------|--------|--------|--------|--------|
| Input (t _r) | | 30±5ps | 50 ps | 100 ps | 250 ps | 500 ps | 750 ps | 1 ns |
| NEXT | GAAQQG | 5.5 | 5.1 | 4.7 | 3.2 | 1.9 | 1.4 | 1.1 |
| | GAAGQQG | 1.3 | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% |
| | Xrow ^{diff} | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% |
| FEXT | GAAQQG | 1.9 | 1.6 | 1.3 | 1.0 | < 1.0% | < 1.0% | < 1.0% |
| | GAAGQQG | 1.1 | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% |
| | Xrow ^{diff} | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% | < 1.0% |

| Table 7 - Propagation Delay (Mated Connector) | |
|---|---------|
| Single-Ended | 87.0 ps |
| Differential | 87.0 ps |