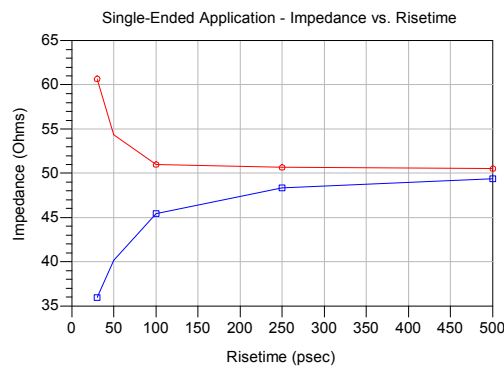


**Series:** FSI Series

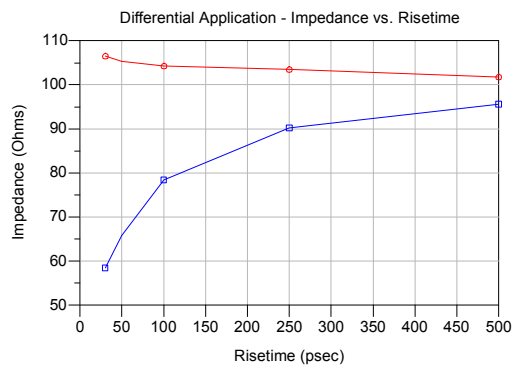
**Description:** One Piece Board Stacking Interconnect, 1.0mm Pitch, 3mm (0.118") Body Height

## Time Domain Data Summary

| Table 3 - Single-Ended Impedance ( $\Omega$ ) |       |       |        |        |        |
|---|-------|-------|--------|--------|--------|
| Signal Risetime                               | 30 ps | 50 ps | 100 ps | 250 ps | 500 ps |
| Maximum Impedance                             | 60.7  | 54.4  | 51.0   | 50.7   | 50.6   |
| Minimum Impedance                             | 36.0  | 40.1  | 45.5   | 48.4   | 49.4   |



| Table 4 - Differential Impedance ( $\Omega$ ) |       |       |        |        |        |
|---|-------|-------|--------|--------|--------|
| Signal Risetime                               | 30 ps | 50 ps | 100 ps | 250 ps | 500 ps |
| Maximum Impedance                             | 106.5 | 105.3 | 104.3  | 103.5  | 101.8  |
| Minimum Impedance                             | 58.5  | 65.8  | 78.4   | 90.2   | 95.6   |



**Series:** FSI Series

**Description:** One Piece Board Stacking Interconnect, 1.0mm Pitch, 3mm (0.118") Body Height

| <b>Table 5 - Single-Ended Crosstalk (%)</b> |       |             |              |               |               |               |
|---|-------|-------------|--------------|---------------|---------------|---------------|
| <b>Input(tr)</b>                            |       | <b>30ps</b> | <b>50 ps</b> | <b>100 ps</b> | <b>250 ps</b> | <b>500 ps</b> |
| <b>NEXT</b>                                 | GAQG  | 19.4        | 16.5         | 11.7          | 5.7           | 2.9           |
|   | GAGQG | 4.9         | 4.1          | 2.4           | 1.0           | 0.5           |
|   | Xrow  | 3.0         | 1.6          | 0.7           | 0.3           | 0.1           |
| <b>FEXT</b>                                 | GAQG  | 7.5         | 4.9          | 2.2           | 0.9           | 0.4           |
|   | GAGQG | 4.6         | 3.6          | 1.9           | 0.7           | 0.4           |
|   | Xrow  | 1.1         | 0.5          | 0.1           | <0.1          | <0.1          |

| <b>Table 6 - Differential Crosstalk (%)</b> |         |             |              |               |               |               |
|---|---------|-------------|--------------|---------------|---------------|---------------|
| <b>Input(tr)</b>                            |         | <b>30ps</b> | <b>50 ps</b> | <b>100 ps</b> | <b>250 ps</b> | <b>500 ps</b> |
| <b>NEXT</b>                                 | GAAQQG  | 5.5         | 5.0          | 3.9           | 2.1           | 1.1           |
|   | GAAGQQG | 0.9         | 0.7          | 0.4           | 0.1           | <0.1          |
|   | Xrow    | 0.7         | 0.4          | 0.2           | <0.1          | <0.1          |
| <b>FEXT</b>                                 | GAAQQG  | 2.2         | 1.4          | 0.8           | 0.3           | 0.1           |
|   | GAAGQQG | 0.7         | 0.5          | 0.2           | <0.1          | <0.1          |
|   | Xrow    | 0.5         | 0.3          | 0.2           | <0.1          | <0.1          |

| <b>Table 7 - Propagation Delay (Mated Connector)</b> |       |
|--|-------|
| <b>Single-Ended</b>                                  | 69 ps |
| <b>Differential</b>                                  | 65 ps |