

# Q Strips®



## High Speed Connectors

Samtec Q Strip® connectors are designed for High Speed Board-to-Board applications where signal integrity is essential. Q Strip® connectors contain a surface mount ground/power plane between two rows of surface mount signals for improved electrical performance.

### Pitch, Stack Heights, and Options

Q Strip® Interconnects are available on 3 different pin pitches (see chart above). Mated sets are available in numerous stack heights from 5mm to 30mm. Options include guideposts, alignment pins, and locking clips.

### Multi-Bank

Q Strip® connectors are available in 1-5 banks of up to 60 contacts each for a total of 300 I/Os available I/Os in one .5mm pitch connector set. The integrated ground planes may also be used for power, which can help to increase the number of contacts that can be used for signal.

### Differential Pairs (Q Pairs®)

Versions are also available specifically for differential pair applications (Q Pairs®). The -DP option is available with up to 20 differential pairs per bank for a total of 100 pairs (5 banks) per interconnect.

Pitch	Series
.5mm (.0197")	QTH / QSH
.635mm (.025")	QTS / QSS
.8mm (.0315")	QTE / QSE

### Applications

Q Strip® configurations are available for vertical, perpendicular, and coplanar applications. Right angle Q Strips® are available on .635mm (.025") pitch for traditional single side processing. Edge mount versions of all three pitch variations round out the Q Strip® line as an alternative for eliminating row-to-row skew in perpendicular and coplanar applications.

### Features

- SMT signal leads
- SMT ground/power planes
- Vertical, right angle, and edge mount orientations
- Guidepost system available
- Up to 300 I/Os (single-ended)
- Up to 100 differential pairs

### Typical Systems

- High end servers
- Network systems (routers, switches, hubs, bridges)
- Industrial computers
- Test and measurement
- High resolution graphics

