With the largest variety of board-to-board interconnects, Samtec makes it easy to find board stackers for any application. Header and socket systems are available in a variety of pitches, densities, stack heights, orientations and many more standard or custom options.

**INCREDIBLE FLEXIBILITY**
- Post height: Adjustable in .005” (0.13 mm) increments
- Body positions: Adjustable in .005” (0.13 mm) increments
- Board stacking distance: 1.65 mm (.065") – 48.51 mm (1.910")
- Number of pins: 2-300
- Number of rows: 1-6

**CUSTOMIZABLE**
- Mix-and-match headers and sockets to find the right solution
- Quick and easy custom parts are available.
  Contact asp@samtec.com

**VARIETY OF PITCHES**
- 0.80 mm (.0315")
- 1.00 mm (.0394")
- .050” (1.27 mm)
- .050” x .050” (1.27 x 1.27 mm)
- .050” x .100” (1.27 x 2.54 mm)
- 2.00 mm (.0787")
- .100” (2.54 mm)
- .156” (3.96 mm)
- .200” (5.08 mm)

**BUILD IT YOURSELF**
Check out the Flex Stacking Solutionator™ to quickly build a mated set for your specific application. Visit samtec.com/flex-solutionator
VARIETY OF CONTACTS

**TIGER™ EYE CONTACT**
- High-reliability
- High mating cycles
- Multi-finger contact

**TIGER™ CLAW CONTACT**
- Pass-through
- Ultra-low profile
- Dual wipe contact

**TIGER™ BUY CONTACT**
- High-retention
- Cost-effective
- Tuning fork contact

**TIGER™ BEAM CONTACT**
- Best cost
- Reliable performance
- Post & beam contact

VARIETY OF ORIENATIONS/APPLICATIONS

**Standard**
- Choice of contact system
- Single, double and triple row designs
- Largest variety

**Low Profile**
- Down to 1.65 mm (.065”) stack height
- Tiger Claw™ contacts
- Space saving

**Elevated**
- Up to 48.51 mm (1.910”) stack height
- Design flexibility
- Clearance, air flow

**Pass-Through**
- Connect three or more boards
- Tiger Claw™ & Tiger Beam™ contact systems
- Surface mount or offset through-hole

**Right-Angle**
- Design flexibility
- Tiger Claw™ & Tiger Buy™ contacts
- Through-hole, surface mount

**Coplanar**
- 1-4 row designs
- Surface mount, through-hole or mixed technology
- Tiger Claw™ & Tiger Beam™ contacts

**Bottom Entry**
- Tiger Claw™ contacts
- Access to components when mated
- Space savings

**Self-Nesting**
- Tiger Buy™ contacts
- Press-fit or through-hole tails
- PC/104-Plus™ embedded applications

samtec.com/flexiblestacking
# BOARD STACKING REFERENCE

Focused/most popular series in charts. For all flexible stacking solutions, visit samtec.com/connectors

## ONE-PIECE, 0.80 mm (.0315") & 1.00 mm (.0394") PITCH

<table>
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<tr>
<th>SERIES</th>
<th>FSI</th>
<th>SEI</th>
<th>SIB</th>
<th>CLE</th>
<th>FTE</th>
<th>CLM</th>
<th>FTMH/FTM</th>
<th>MLE</th>
<th>MW</th>
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<td>1.00&quot; (2.54 mm)</td>
<td>0.80 mm (.0315&quot;)</td>
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## .050" (1.27 mm) PITCH HEADERS & SOCKETS

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<th>CLP</th>
<th>FLE</th>
<th>FTS</th>
<th>FTSH</th>
<th>FW</th>
<th>SOLC</th>
<th>TOLC</th>
<th>DWM/HDWM</th>
<th>FTR</th>
<th>RSM</th>
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<th>ZLTMM</th>
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<th>MMS</th>
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<th>SQT</th>
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### .100" (2.54 mm) PITCH HEADERS & SOCKETS

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<th>TSW/HTSW</th>
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<td>SMT &amp; MT</td>
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<td>SSW, SSQ, ESW, ESQ, CES, SLW, BSW, BCS, SSM, HLE</td>
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</tbody>
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samtec.com/flexiblestacking
### .050" & 2.00 mm PITCH IDC SYSTEMS
- Exceptionally low-profile design
- Choice of socket and plug terminations
- Single or double ended
- Twisted pair or flat cable
- Tiger Eye™ board level mates
- Mating shrouded and ejector terminal strips
- Variety of options including rugged strain relief, polarization and standard wiring configurations

### FLEXIBLE FLAT RIBBON IDC SYSTEMS
- Low profile with no bulky side locks
- Choice of dual beam socket or plug terminations

### MOLDED-TO-POSITION IDC ASSEMBLIES
- Low profile and skinny side locks
- Plugs with .025" (0.64 mm) square tail headers

#### IDC CABLE ASSEMBLIES & HEADERS

<table>
<thead>
<tr>
<th>IDMX/IDSX</th>
<th>HCMX/HCSX</th>
<th>TCSD/TCMD</th>
<th>FFSD/FFMD</th>
<th>FFTP/FMTP</th>
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<tbody>
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<td>2.00 mm (.0787&quot;) pitch</td>
<td>.050&quot; (1.27 mm) pitch</td>
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<tr>
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<td>28 AWG Gray</td>
<td>30 AWG Gray</td>
<td>30 AWG Twisted Pair</td>
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<td>Dual Beam Contacts</td>
<td>Tiger Eye™ Contacts</td>
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<tr>
<td>Low Profile &amp; Slim Body</td>
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<td>Strain Relief Available</td>
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[Learn more about IDC systems at samtec.com/idc](https://samtec.com/idc)