



(0,80 mm) .0315"

QTE SERIES

# HIGH SPEED GROUND PLANE HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?QTE](http://www.samtec.com?QTE)

**Insulator Material:**  
Liquid Crystal Polymer



**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Au or Sn over 50μ" (1.27 μm) Ni

**Current Rating:**  
Contacts: 1.3A @ 95°C

Ground Plane: 10.1A @ 95°C

**Operating Temp Range:**  
-55°C to +125°C

**Voltage Rating:**  
225 VAC mated with QSE

& 5 mm Stack Height

**Max Cycles:** 100

**Unmating Force (-RT1 option):**

-RT1 option increases  
unmating force up to 50%

**RoHS Compliant:**

Yes

**Processing:**

Lead-Free Solderable:

Yes

**SMT Lead Coplanarity:**

(0,10 mm) .004" max (020-060)  
(0,15 mm) .006" max (080)

**Board Stacking:**

For applications requiring more than two connectors per board or 4 banks or more, contact [ipg@samtec.com](mailto:ipg@samtec.com)

## APPLICATION SPECIFIC OPTION

- 14mm, 15 mm, 22 mm and 30 mm stack height (Caution: Some automatic placement/inspection machines may have component height restrictions. Please consult machinery specifications.)
- 30μ" (0,76 μm) Gold (Specify -H plating for Data Rate cable mating applications.)
- Edge Mount
- 100 positions per row
- Guide Posts, Screw Down & Friction Lock

Call Samtec.

**Note:** -C Plating passes 10 year MFG testing

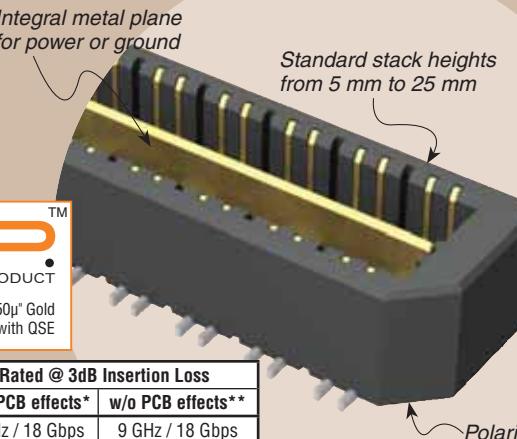
**Note:** Some lengths, styles and options are non-standard, non-returnable.

**Board Mates:**  
QSE

**Cable Mates:**  
EQCD, EQSD, EQDP, EQRF  
(See Application Specific note)



10 year Mixed Flowing Gas with 50μ" Gold  
Call Samtec for maximum cycles mated with QSE

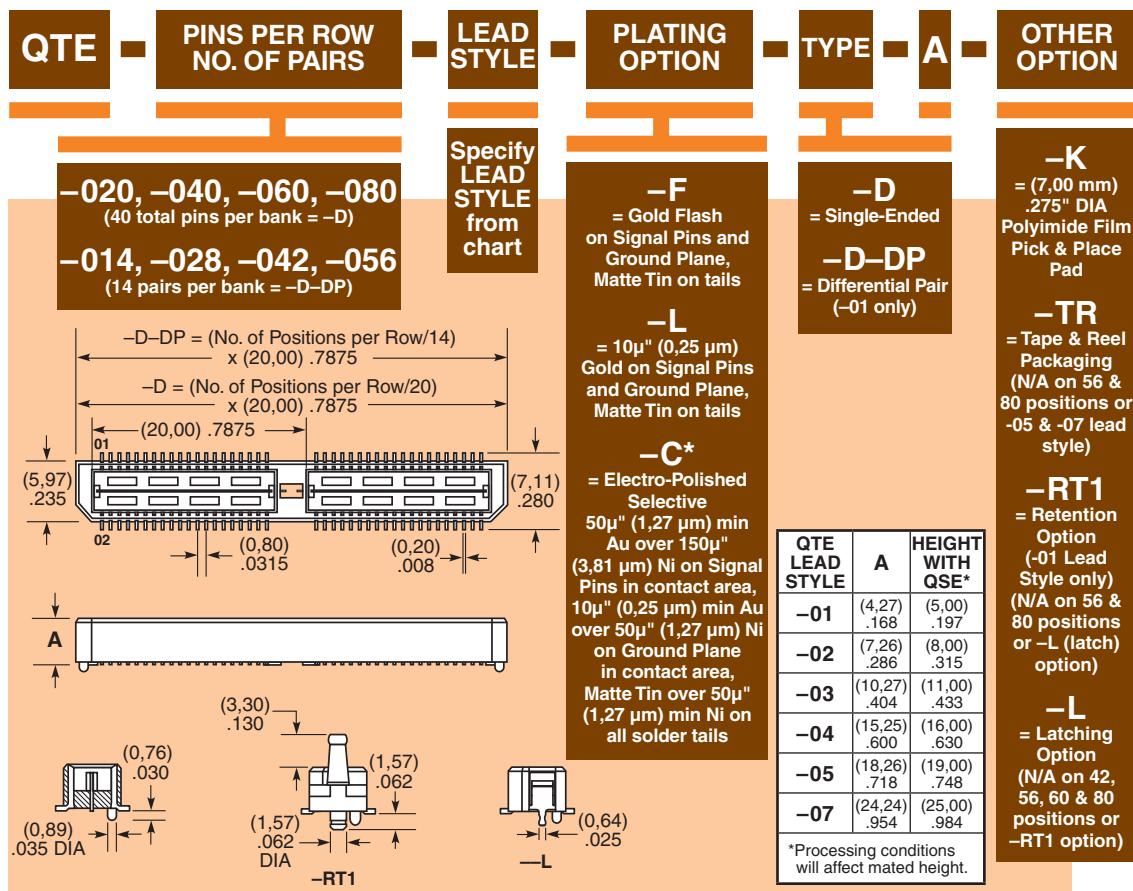


## Protocols Supported

- XAJI
- PCI Express®
- SATA
- MGT (Rocket I/O)
- InfiniBand™
- Download app notes at [www.samtec.com/appnote](http://www.samtec.com/appnote)
- Contact SIG @ [samtec.com](mailto:sig@samtec.com) for questions on protocols

## ALSO AVAILABLE

Board Spacing Standoffs.  
See SO Series.



Due to technical progress, all designs, specifications and components are subject to change without notice.

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