

0,80_{mm} HI-SPEED HEADER QTE SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QTE

www.samtec.cc Insulator Material: Carried Crystal Carried Crystal Carried US Terminal Material:

Phosphor Bronze

Plating: Au over 50μ" (1,27μm) Ni Current Rating: Contacts: 2A @ 80°C Ground Plane: 9.5A @ 80°C Operating Temp Range: -55°C to +125°C Voltage Rating:

225 VAC mated with QSE & 5mm Stack Height Max Cycles: 100 Unmating Force (-RT1 option): -RT1 option increases

unmating force up to 50% RoHS Compliant:

Processing:

Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x 260°C for 20 seconds 3x Lead–Free Solderable: Yes SMT Lead Coplanarity: (0,10mm) .004" max (020-060) (0,15mm) .006" max (080) Board Stacking: For applications requiring more than two connectors per board or 4 banks or more, contact ipg@samtec.com

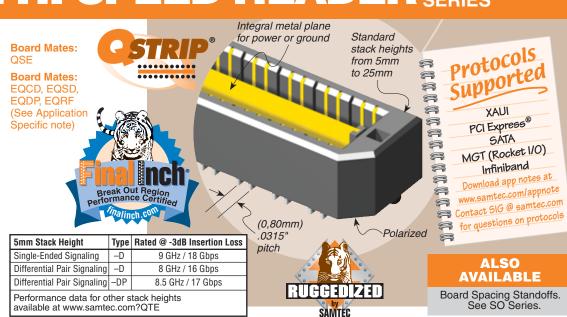
APPLICATION SPECIFIC OPTION

- 14mm, 15mm, 22mm and 30mm stack height (Caution: Some automatic placement/inspection machines may have component height restrictions. Please consult machinery specifications.)
- 30µ" (0,76µm) 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.



Specify

PINS PER ROW

NO. OF PAIRS

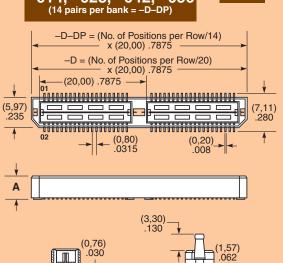
LEAD STYLE OPTION

PLATING

OTHER OPTION

020, –040, –060, –080 (40 total pins per bank = -D)

014, -028, -042, -056(14 pairs per bank = -D-DP)



LEAD STYLE = 10µ" (0,25µm) Gold on Signal Pins from chart and Ground Plane, Matte Tin on tails

> = Gold Flash on Signal Pins and Ground Plane, Matte Tin on tails

-C* = Electro-Polished Selective 50μ" (1,27μm) min Au over 150µ" (3,81µm) Ni on Śignal Pins in contact area, 10μ" (0,25μm) min Au over 50μ" (1,27μm) Ni on Ground Plane in contact area. Matte Tin over 50µ" (1,27µm) min Ni on all solder tails

-D= Single-Ended -D–DP Differential Pair (-01 only)

-K = (7,00mm) .275" DIA Polyimide Film Pick & Place Pad

–TR = Tape & Reel Packaging -060 positions maximum)

-RT1 = Retention Option (-01 Lead Style only & 060 positions maximum)

QTE LEAD	Α	HEIGHT WITH QSE
STYLE -01	(4,27) .168	
-02	(7,26).286	(5,00) .198 (8,00).316
-03	(10,27).404	(11,00).433
-04	(15,25).600	(16,00).630
-05	(18,24).718	(19,00).748
-07	(24,24).954	(25,00).984

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

.035 DÍA

-01