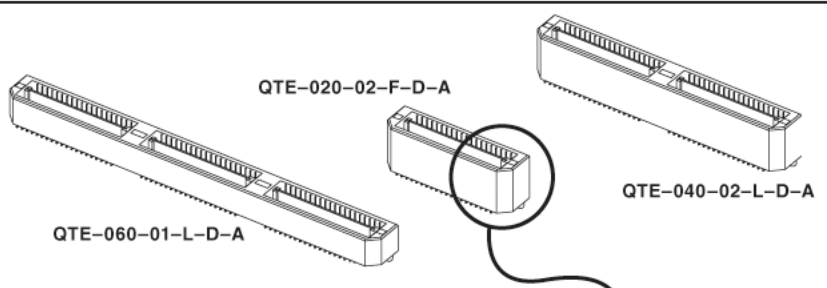


samtec



0,80mm HI-SPEED HEADER QTE SERIES

SPECIFICATIONS

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

Insulator Material:

Liquid Crystal
Polymer



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

RoHS Compliant:

Yes

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

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

(0,15mm) .006" max (080)

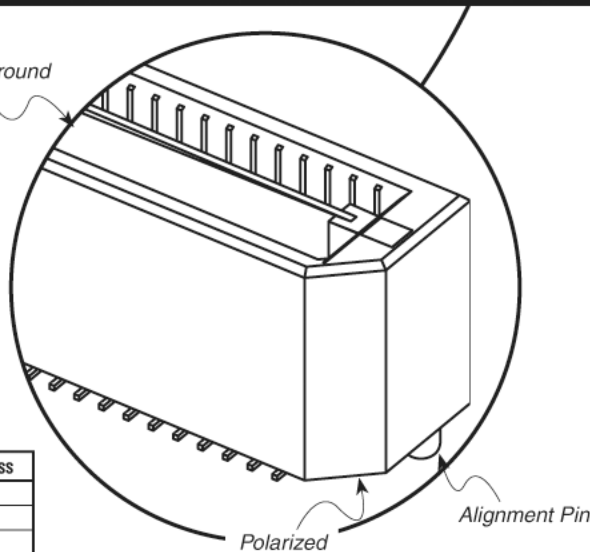
Board Stacking:

For applications requiring more than two connectors per board, contact ipg@samtec.com

Mates with:
QSE, EQCD, EQSD
(See Application
Specific note)



Metal ground plane



0,80mm QTE/QSE	Rated @ -3dB Insertion Loss
5mm Stack Height	
Single-Ended Signaling	9 GHz / 18 Gbps
Differential Pair Signaling	8 GHz / 16 Gbps
Performance data for other stack heights available at www.samtec.com?QTE	

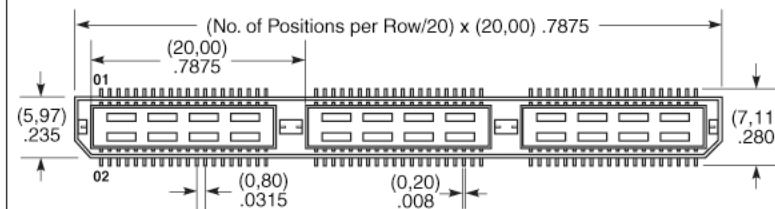
APPLICATION SPECIFIC OPTION

- 30µ" (0,76µm) Gold (Specify -H plating for Data Rate cable mating applications)
 - Edge Mount
 - 100 positions per row
 - Guide Posts, Screw Down, Retention Pin and Friction Lock options
 - 14mm, 22mm, and 30mm stack height
- Call Samtec.

ALSO AVAILABLE

See Differential Pair version at www.samtec.com?QTE-DP

QTE	NO. OF POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	D	A	OTHER OPTION
	-020, -040, -060, -080 (40 total positions per bank)	Specify LEAD STYLE from chart.	-L = 10µ" (0,25µm) Gold on Signal Pins and Ground Plane, Gold Flash on tails -F = Gold Flash on Signal Pins and Ground Plane		-K = (7,00mm) .275" DIA Polyimide Film Pick & Place Pad -TR = Tape & Reel Packaging (-060 positions maximum)	



QTE LEAD STYLE	A	HEIGHT WITH QSE
-01	(4,27) .168	(5,00) .198
-02	(7,26) .286	(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

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

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

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SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047
 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299
 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 • Fax: +46-87420413
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 SAMTEC TAIWAN • Tel: 886 02 2698-3367 • Fax: 886 02 8698-2159
 SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745