

0,80mm HI-SPEED SOCKET QSE SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/QSE

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 QTE

& 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



Break Out Region (BOR)
design recommendations available
www.samtec.com/FI

APPLICATION SPECIFIC OPTION

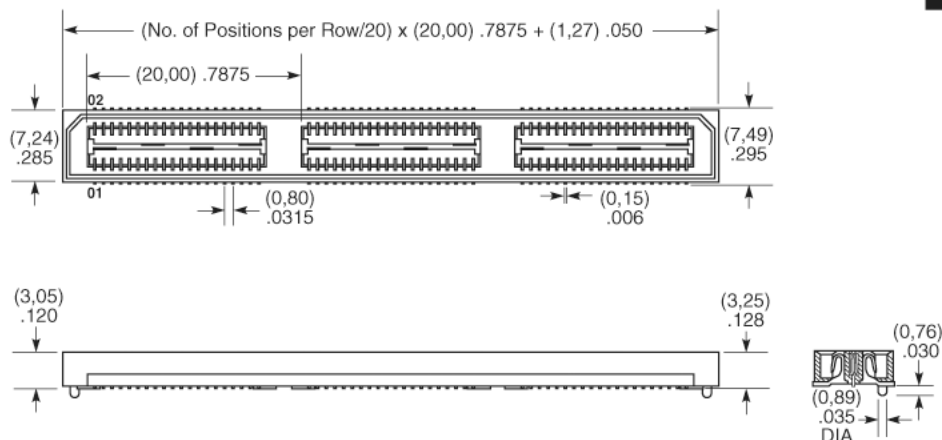
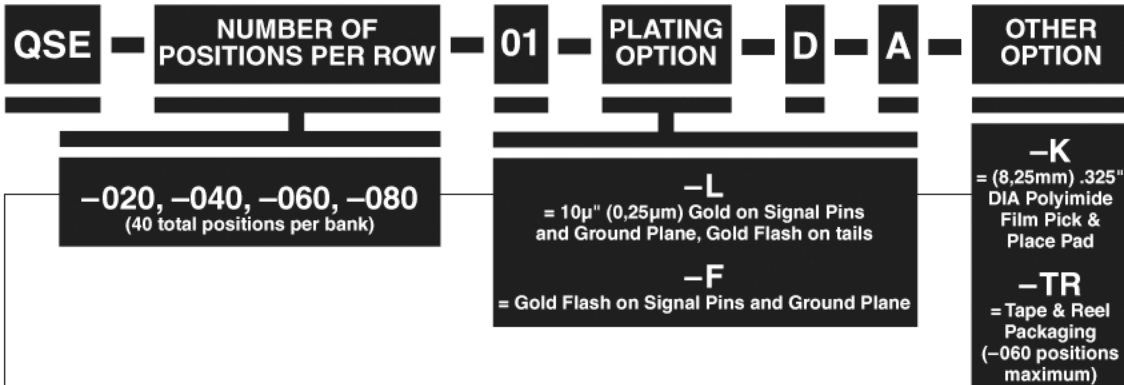
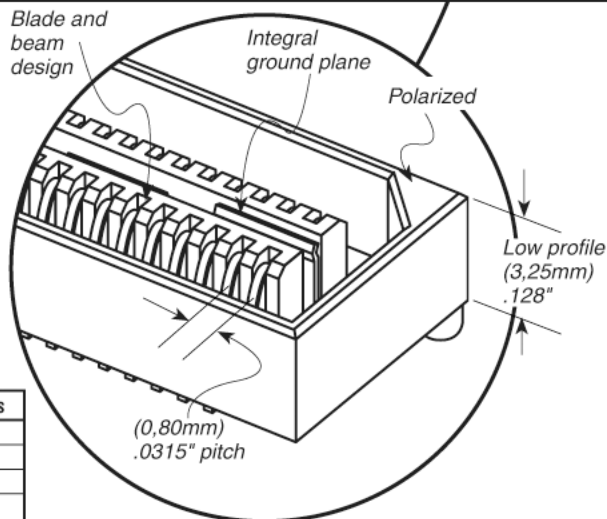
- 30µ" (0,76µm) Gold (Specify -H plating for Data Rate cable mating applications)
- Edge Mount
- 100 positions per row
- Guide Posts and Friction Lock options
- 11mm, 14mm, 16mm, 19mm, 22mm, 25mm and 30mm stack height

Call Samtec.

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



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/QSE	



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.

WWW.SAMTEC.COM

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 SCANDINAVIA • Tel: +46-84477280 • Fax: +46-87420413
SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 • Fax: 65 6841-1502
SAMTEC HONG KONG • Tel: 852-26904858 • Fax: 852-26904842
SAMTEC SILICON VALLEY • Tel: 408-395-5900 • Fax: 408-395-1520
SAMTEC FRANCE • Tel: 01 60 95 06 60 • Fax: 01 60 95 06 61
SAMTEC ISRAEL • Tel: 972-3-7526600 • Fax: 972-3-7526690
SAMTEC CHINA • Tel: 86-21-61103766 • Fax: 86-21-53854047
SAMTEC SOUTH AFRICA • Tel: 27 11 4528112 • Fax: 27 86 6714432
SAMTEC UK • Tel: 01236 739292 • Fax: 01236 727113
SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315
SAMTEC INDIA • Tel: 91 80 306 21 612 • Fax: 91 80 4152 8187
SAMTEC TAIWAN • Tel: 886 02 2698-3367 • Fax: 886 02 8698-2159
SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745