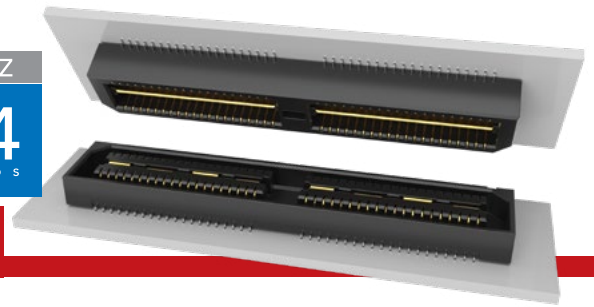




NRZ  
14  
Gbps



**(0.80 mm) .0315" PITCH • A-QTE/A-QSE SERIES**

**A-QTE**  
Board Mates:  
A-QSE

**A-QSE**  
Board Mates:  
A-QTE

A-QTE	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTIONS
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-020,  
-040, -060  
(40 total pins per bank)

Specify  
LEAD  
STYLE  
from  
Chart

-F  
= Gold flash on contact,  
Matte Tin on tail

-D  
= Single-  
Ended

-GP  
= Guide Post  
(-020 only)

-L  
= 10 μ" (0.25 μm)  
Gold on contact,  
Matte Tin on tail

-K  
= (7.00 mm) .275"  
DIA Polyimide  
Film Pick &  
Place Pad

-C  
= 50 μ" (1.27 mm)  
Electro-Polished Selective  
Gold on contact,  
Matte Tin on tail  
(passes 10 year MFG testing)

-FL  
= Friction Locks  
(-01 & -02 Lead  
Style only)  
(Not available  
with -GP)

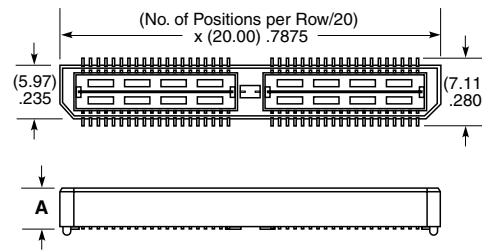
-TR  
= Tape & Reel  
(Not available  
with -05 thru -08  
Lead Style)



**SPECIFICATIONS**

**Insulator Material:**  
Liquid Crystal Polymer  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over  
50 μ" (1.27 μm) Ni  
**Current Rating:**  
**Contact:**  
2 A per pin (2 pins powered)  
**Ground Plane:**  
23 A per ground plane  
(1 ground plane powered)  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Voltage Rating:**  
225 VAC when mated  
& 5 mm Stack Height  
**Max Cycles:**  
100

A-QTE LEAD STYLE	A	HEIGHT WITH A-QSE
-01	(4.27) .168	(5.00) .197
-02	(7.26) .286	(8.00) .315
-03	(10.27) .404	(11.00) .433
-04	(15.25) .600	(16.00) .630
-05	(18.26) .718	(19.00) .748
-09	(13.26) .522	(14.00) .551
-10	(14.24) .561	(15.00) .590



**PROCESSING**

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max  
(020-060)  
**Board Stacking:**  
For applications requiring  
more than two connectors  
contact ipg@samtec.com

A-QSE	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	A	OTHER OPTIONS
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-020,  
-040, -060  
(40 total pins per bank)

-F  
= Gold flash on contact,  
Matte Tin on tail

-D  
= Single-  
Ended

-GP  
= Guide Post  
(-020 only)

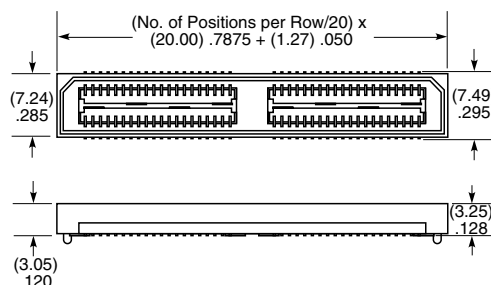
-L  
= 10 μ" (0.25 μm)  
Gold on contact,  
Matte Tin on tail

-K  
= (8.25 mm) .325"  
DIA Polyimide  
Film Pick &  
Place Pad

-C  
= 50 μ" (1.27 mm)  
Electro-Polished Selective  
Gold on contact,  
Matte Tin on tail  
(passes 10 year MFG testing)

-FL  
= Friction Locks  
(Not available  
with -GP)

-TR  
= Tape & Reel



**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.