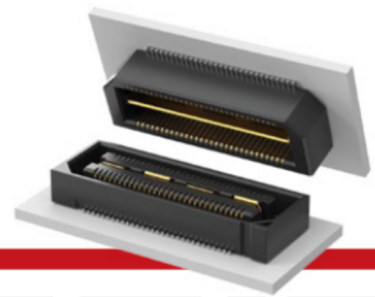




NRZ
25
Gbps



(0.50 mm) .0197" PITCH • QTH/QSH SERIES

QTH
Board Mates:
QSH

QSH
Board Mates:
QTH

QTH/QSH
Cable Mates:
HQCD, HQDP

Standoffs:
SO

SPECIFICATIONS

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

QTH LEAD STYLE	A	HEIGHT WITH QSH*
-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
-07	(24.24) .954	(25.00) .984
-09	(13.26) .522	(14.00) .551

*Processing conditions will affect mated height. See SO Series for board space tolerances.

Specify LEAD STYLE from chart

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

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

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

-D
= Single-Ended

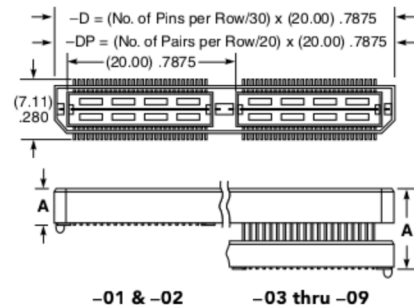
-D-DP
= Differential Pair (-01 only)

-K
= (7.00 mm) .275" DIA Polyimide film Pick & Place Pad (N/A with -05 & -07 lead style)

-L
= Latching Option (-01 lead style only) (N/A on -060 (-D-DP) & -090)

-TR
= Tape & Reel

-FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)



PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (030-060)
(0.15 mm) .006" max (090)*
*(.004" stencil solution may be available; contact IPG@samtec.com)
Board Stacking:
For applications requiring more than two connectors contact ipg@samtec.com

STANDARDS

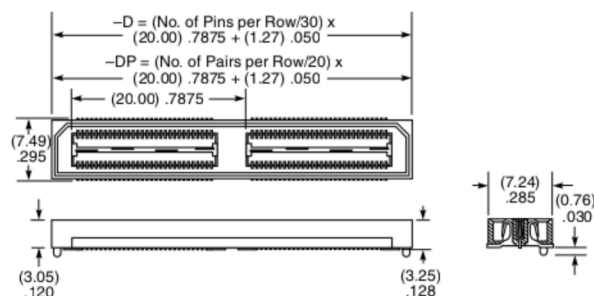
PISMO™ 1:
Visit samtec.com/standards for more information.



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

View complete specifications at: samtec.com?QTH

QSH	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	A	OTHER OPTIONS
	-030, -060, -090 (60 total pins per bank = -D)		-F = Gold flash on contact, Matte Tin on tail	-D = Single-Ended		-K = (8.25 mm) .325" DIA Polyimide film Pick & Place Pad
	-020, -040, -060 (20 pairs per bank = -D-DP)		-L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail	-D-DP = Differential Pair (-01 only)		-L = Latching Option (-01 lead style only) (N/A on -060 (-D-DP) & -090)
			-C = 50 μ " (1.27 mm) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)			-TR = Tape & Reel
						-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)



View complete specifications at: samtec.com?QSH

See pg 46-47 for Right-Angle & Edge Mount options.

samtec.com/QStrip

F-221

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.