





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

QTH **Board Mates: OSH**

QSH **Board Mates:** QTH

QTH/QSH Cable Mates: HQCD, HQDP

Standoffs:

SPECIFICATIONS

Insulator Material: Liquid Crystal Polymer Contact Material: Plating: Au or Sn over 50 μ" (1.27 μm) Ni Current Rating: Contact:

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 Pating:

Voltage Rating: 175 VAC (5 mm Stack Height) Max Cycles:

PROCESSING

Lead-Free Solderable:

SMT Lead Coplanarity: (0.10 mm) .004 max (030-060)(0.15 mm) .006" max (090)* *(.004" stencil solution may be available)

STANDARDS

PISMO™ 1:

Visit samtec com/standards for more information.



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

PINS PER ROW QTH NO. OF PAIRS

-030, -060, -090

(60 total pins per bank = -D) -020, -040,

-060 (20 pairs per bank = -D-DP)

Specify **LEAD STYLE** from chart

STYLE

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

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

PLATING OPTION

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

-D = Single-Ended

TYPE

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

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

OTHER OPTIONS

-K

DIA Polyimide film Pick & Place Pad (N/A with -05 &

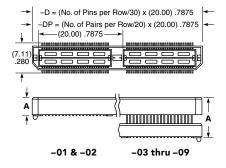
-07 lead style)

(7.00 mm) .275"

-TR = Tape & Reel

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

HEIGHT





	STYLE		Willi Q3II
	-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			

PINS PER ROW NO. OF PAIRS QSH 01

-030, –060, -090

(60 total pins per bank = -D)

-020, -040, -060

(20 pairs per bank = -D-DP)

PLATING OPTION

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

_L = 10 μ" (0.25 μm) 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

= Differential Pair

Ended

-D-DP (-01 only)

= (8.25 mm) .325" DIA Polyimide film Pick & Place Pad

OTHER OPTIONS

= 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)

