

(2.00 mm) .0787"

SQW SERIES

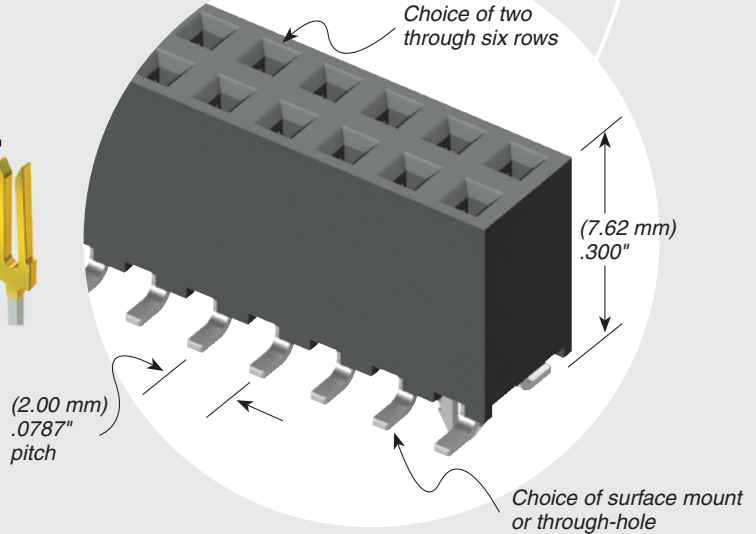
COST-EFFECTIVE RUGGED SOCKETS

SPECIFICATIONS

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

- Insulator Material:** Black Liquid Crystal Polymer
- Contact Material:** Phosphor Bronze
- Plating:** Sn or Au over 50 μ " (1.27 μ m) Ni
- Current Rating (SQW/TMMH):** 3.8 A per pin (2 pins powered)
- Voltage Rating:** 281 VAC mated with TMM; 250 VAC mated with TMMH
- Operating Temp Range:** -55 °C to +125 °C
- Insertion Depth:** (2.62 mm) .103" to (5.03 mm) .198" with (0.38 mm) .015" wiper
- Max Cycles:** 100 with 10 μ " (0.25 μ m) Au
- RoHS Compliant:** Yes

- Board Mates:** TMMH, TMM, MTMM, MMT, TW, TSH, LTMM, PTT
- Cable Mates:** TCMD



PROCESSING

- Lead-Free Solderable:** Yes, for -D & -D-VS (Wave only for -T, -Q, -5 & -6)
- SMT Lead Coplanarity:** (0.10 mm) .004" max (02-10) (0.15 mm) .006" max (11-50)* (.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



SQW	1	NO. PINS PER ROW	01	PLATING OPTION	ROW OPTION	OPTION
		02 thru 50		-F = Gold flash on contact, Matte Tin on tail -L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail	-D = Double Row -D-VS = Double Row Surface Mount -T = Triple Row -Q = Four Row -5 = Five Row -6 = Six Row	- "XXX" = Polarized Position -D-VS only options: -A = Alignment Pin (5 positions minimum) Metal or plastic at Samtec discretion. (N/A with -LC) -LC = Locking Clip (5 positions minimum) (N/A with -A) (Manual placement required) -K = (4.25 mm) .167" DIA Polyimide Film Pick & Place Pad (4 positions minimum) -P = Pick & Place Pad (4 positions minimum) -TR = Tape & Reel Packaging (4 thru 28 positions only)

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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All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.