

(2.54 mm) .100" PITCH • ESW/ESQ SERIES

SERIES

ESW/ESQ

Mates: TSW, MTSW, EW, MTLW, TSS, ZSS, TSM, DW, ZW, HW, TSSH, HTSS

SPECIFICATIONS

Insulator Material: Black Glass Filled Polyester Contact Material: Contact Material: Phosphor Bronze Plating: Au or Sn over $50 \mu^{"}$ (1.27 μ m) Ni Operating Temp Range: $-55 \degree C to +125 \degree C$ with Gold $-55 \degree C to +105 \degree C$ with Gold $-55 \degree C to +105 \degree C$ with Tin Current Rating (ESW/TSW): 5.2 A per pin5.2 A per pin (2 pins powered) Current Rating (ESQ/TSW): Current Rating (E 5.7 A per pin (2 pins powered) Voltage Rating: 515 VAC/728 VDC Insertion Depth: (3.68 mm) .145" to (6.35 mm) .250" to Max Cycles: 100 with 10 μ" (0.25 μm) Au

PROCESSING

Lead-Free Solderable: No, Lead Wave only

ESW = Solder Tail ESQ = Square Tail	01 thru 36		Spec LEA STYI fror chai	D _E n rt	- F = Gold flash on contact, Matte Tin on tail - L = 10 μ" (0.25 μm) Gold contact, Matte Tin on tail - G		
	LEAD STYLE						
STANDARD INSERTION FORCE	LOW INSERTION FORCE	A	В		Gold contact, Gold Flash on Balance		
– 12	- 37	(2.29) .090	(11.05) .435		–T = Matte Tin		
– 13	- 38	(7.36) .290	(11.05) .455		(Not available		
- 23	- 48	(4.83) .190	(13.59) .535		with LIF contact)		
- 33	- 58	(2.29) .090	(16.13) .635				
- 14	- 39	(12.19) .480	(11.05) .435				
- 24	- 49	(9.65) .380	(13.59) .535				
- 34	- 59	(7.11) .280	(16.13) .635				
- 44	- 69	(4.57) .180	(18.67) .735				
→ (2.54) .100 X I	No. of Positions +		(2.41) .095		_		

NO. PINS PER ROW

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ESW

(0.41) x (0.79) .016 .031

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(2.54) .100 TYP

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-T (ESQ only)

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PLATING

OPTION

LEAD

STYLE

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ROW OPTION	-	OTHER OPTION
S = Single Row		–LL = Locking Lea

-D

= Double Row

-Τ

= Triple Row (ESQ only)

= Locking Lead (Two leads per strip crimped. Not available with single row 1 or 2 positions)

"XX" = Polarized

	elf esting ockets series)		£
PC/104™ J1/P1 "S	tackthrough	' Connect	ors
Standard Insertion	Standard Insertion Force		-14-G-D
Low Insertion Force	Low Insertion Force		-39-G-D
PC/104 [™] J1 "Non-	-Stackthroug	h" Conne	tors
Standard Insertion	Standard Insertion Force		-12-G-D
Low Insertion Force	Low Insertion Force		-37-G-D
PC/104™ J2/P2 "S	tackthrough'	' Connect	ors
Standard Insertion	Force	ESQ-120	-14-G-D
Low Insertion Ford	Low Insertion Force		
DC(104 is a trade of a state	(++ - DC/104 C		

APPLICATIONS

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PC/104 is a trademark of the PC/104 Consortium.

ALSO AVAILABLE

Other Platings

Note:

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

samtec.com?ESW or samtec.com?ESQ

F-224 (Rev 25APR25)

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.

ESQ (0.64) .025 SQ