

ELEVATED SOCKETS

(2.54 mm) .100" PITCH • ESW/ESQ 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: Phosphor Bronze
Plating:
Au or Sn over
50 μ" (1.27 μm) Ni
Current Rating (ESW/TSW):
5 2 Δ per pin

5.2 A per pin (2 pins powered) Current Rating (ESQ/TSW):

Voltage Rating: 515 VAC mated with TSW or ESQ

Operating Temp Range: -55 °C to +125 °C with Gold -55 °C to +105 °C with Tin

Insertion Depth: (3.68 mm) .145" to (6.35 mm) .250"

Normal Force: Standard = 125 grams (4.4 N) Max Cycles:

100 with 10 μ" (0.25 μm) Au

PROCESSING

Lead-Free Solderable: No, Lead Wave only

SE	RI	ES	
3 <u>E</u>	M		

ESW

= Solder Tail

ESQ

= Square Tail

1

NO. PINS PER ROW

01 thru 36

LEAD **STYLE**

Specify LEAD STYLE from

chart

PLATING OPTION

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

-G = 20 μ" (0.51 μm) Gold contact, Gold Flash on Balance

-T= Matte Tin (Not available with LIF contact)

ROW **OPTION**

-S = Single Row

-D = Double Row

-T= Triple Row (ESQ only)

OPTION

-LL

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

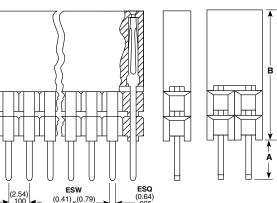
"XXX" = Polarized

LEAD STYLE					
STANDARD INSERTION FORCE	Low INSERTION FORCE	A	В		
– 12	- 37	(2.29) .090	(11.05) .435		
– 13	- 38	(7.36) .290	(11.03) .433		
- 23	- 48	(4.83) .190	(13.59) .535		
- 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		

_	囲	囲	囲	Z\$	\mathbb{H}	囲	囲	(4.95)
-D	囲	\mathbb{H}	\mathbb{H}		\mathbb{H}	\mathbb{H}	\mathbb{H}	.195

	囲	囲	囲	M	囲	囲	囲	\bigcap
-T (ESQ only)	囲	\mathbb{H}	\mathbb{H}		\mathbb{H}	展	闽	(7.49) .295
	囲	闽	闽		囲	\mathbb{H}	\mathbb{H}	↓

(2.54) .100 X No. of Positions + (0.51) .020 (2.41) \mathbb{H} 囲



APPLICATIONS



PC/104™ J1/P1 "Stackthrough" Connectors						
Standard Insertion Force	ESQ-132-14-G-D					
Low Insertion Force	ESQ-132-39-G-D					
PC/104™ J1 "Non-Stackthrough" Connectors						
Standard Insertion Force	ESQ-132-12-G-D					
Low Insertion Force	ESQ-132-37-G-D					
PC/104™ J2/P2 "Stackthrough" Connectors						
Standard Insertion Force	ESQ-120-14-G-D					
Low Insertion Force	ESQ-120-39-G-D					

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

ALSO AVAILABLE

Other Plating (MOQ Required)

Note:

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