

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"

Max Cycles: 100 with 10 μ" (0.25 μm) Au

PROCESSING

Lead-Free Solderable:

No, Lead Wave only

SERIES

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)

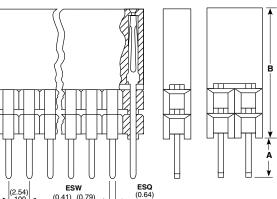
"XXX" = Polarized

STANDARD INSERTION FORCE	LOW INSERTION FORCE	A	В				
- 12	- 37	(2.29) .090	(11.05) .435				
– 13	- 38	(7.36) .290	(11.05) .435				
- 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				

LEAD STYLE

	\mathbb{H}	\mathbb{H}	\mathbb{H}	ĎΆ	\mathbb{H}	\mathbb{H}	\mathbb{H}	ĺÎ
-T (ESQ only)	囲	闽	闽		囲	囲	囲	(7.49) .295
(L3Q only)	\mathbb{H}	\mathbb{H}	\mathbb{H}		\mathbb{H}	\mathbb{H}	\mathbb{H}	

→ (2.54) .100 X No. of Positions + (0.51) .020 (2.41)闽 囲 囲 \mathbb{H} -S .095 \mathbb{H} 闽 \mathbb{H} \mathbb{H} 囲 -D 闽 \mathbb{H} \mathbb{H} \mathbb{H}



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 MOQ Required

Other Platings

Note:

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