

# 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	P.	ES
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**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)

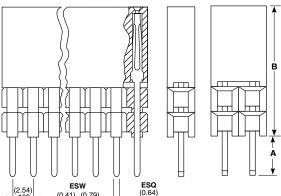
> "XXX" = Polarized

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	



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<b>–T</b> (ESQ only)	$\mathbb{H}$	$\mathbb{H}$	$\mathbb{H}$		$\mathbb{H}$	$\mathbb{H}$	$\mathbb{H}$	(7.49) .295
	囲	闽	闽		闽	$\mathbb{H}$	囲	l ↓

#### (2 41) -S .095 72 $\mathbb{H}$ 闽 $\mathbb{H}$ $\mathbb{H}$ 囲 -D $\mathbb{H}$ $\mathbb{H}$ $\mathbb{H}$ $\mathbb{H}$



#### **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**

Other Plating (MOQ Required)

#### Note:

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