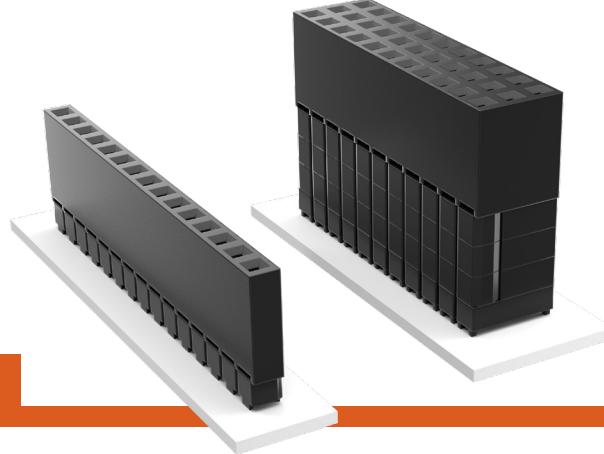


# ELEVATED SOCKETS

(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  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +125 °C with Gold

-55 °C to +105 °C with Tin

### Current Rating (ESW/TSW):

5.2 A per pin

(2 pins powered)

### Current Rating (ESQ/TSW):

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"

### Max Cycles:

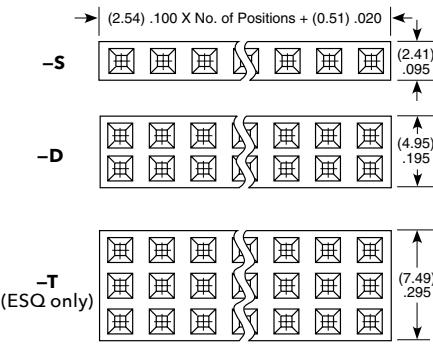
100 with 10  $\mu$ " (0.25  $\mu$ m) Au

## PROCESSING

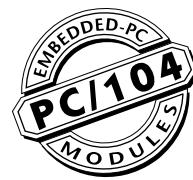
### Lead-Free Solderable:

No, Lead Wave only

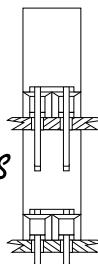
SERIES	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OTHER OPTION
ESW = Solder Tail		01 thru 36	Specify LEAD STYLE from chart	-F = Gold flash on contact, Matte Tin on tail	-S = Single Row	-LL = Locking Lead (Two leads per strip crimped. Not available with single row 1 or 2 positions)
ESQ = Square Tail				-L = 10 $\mu$ " (0.25 $\mu$ m) Gold contact, Matte Tin on tail	-D = Double Row	"XX" = Polarized
				-G = 20 $\mu$ " (0.51 $\mu$ m) Gold contact, Gold Flash on Balance	-T = Matte Tin (Not available with LIF contact)	
STANDARD INSERTION FORCE	LOW INSERTION FORCE	A	B			
- 12	- 37	(2.29).090	(11.05).435			
- 13	- 38	(7.36).290				
- 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			



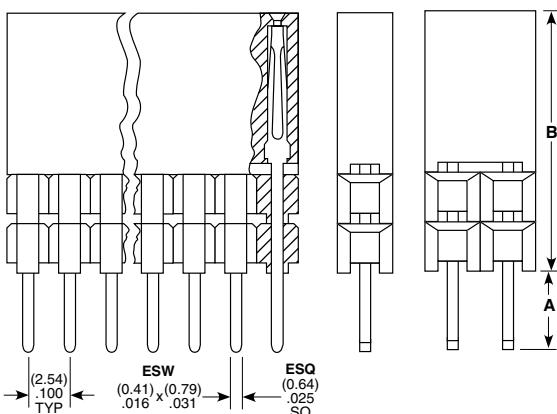
## APPLICATIONS



Self  
Nesting  
Sockets



(ESQ SERIES)



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

Contact Samtec

Other Platings

### Note:

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec](#):

[ESW-16-13-S-D](#)