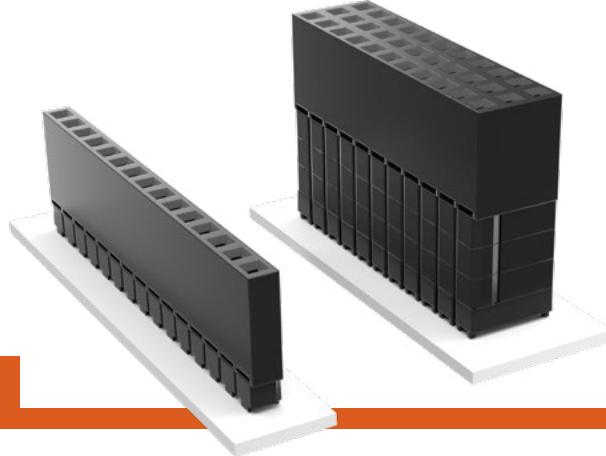


# ELEVATED SOCKETS

(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

### 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 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  $\mu$ " (0.25  $\mu$ m) Au

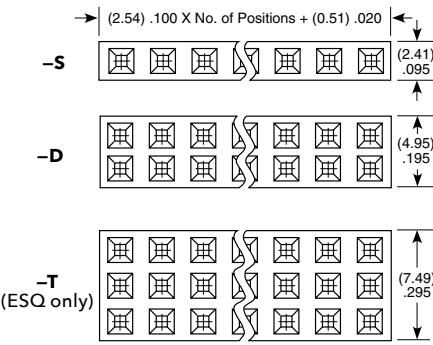
## PROCESSING

### Lead-Free Solderable:

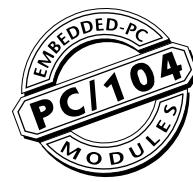
No, Lead Wave only

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	-L = 10 $\mu$ " (0.25 $\mu$ m) Gold 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			-G = 20 $\mu$ " (0.51 $\mu$ m) Gold contact, Gold Flash on Balance	-D = Double Row	
				-T = Matte Tin (Not available with LIF contact)	-T = Triple Row (ESQ only)	"XXX" = Polarized

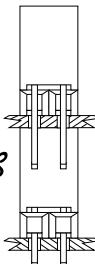
LEAD STYLE			
STANDARD INSERTION FORCE	LOW INSERTION FORCE	A	B
-12	-37	(2.29).090	(11.05).435
-13	-38	(7.36).290	
-23	-48	(4.83).190	(13.59).535
-33	-58	(2.29).090	(16.13).635
-14	-39	(12.19).480	(11.05).435
-24	-49	(9.65).380	(13.59).535
-34	-59	(7.11).280	(16.13).635
-44	-69	(4.57).180	(18.67).735



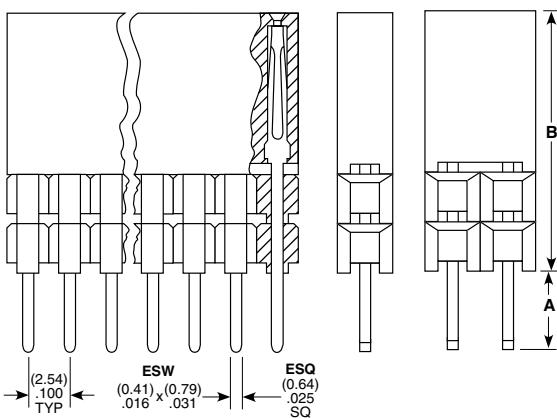
## APPLICATIONS



*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

MOQ Required

Other Platings

### Note:

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