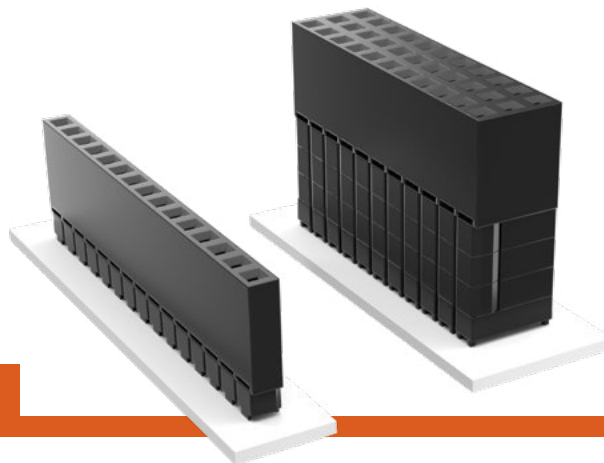


# ELEVATED SOCKETS

(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:

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

| 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

**ESQ**  
= Square Tail

**-L**  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold contact,  
Matte Tin on tail

**-S**  
= Single Row

**-D**  
= Double Row

**-G**  
= 20  $\mu$ " (0.51  $\mu$ m)  
Gold contact,  
Gold Flash on  
Balance

**-T**  
= Triple Row  
(ESQ only)

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

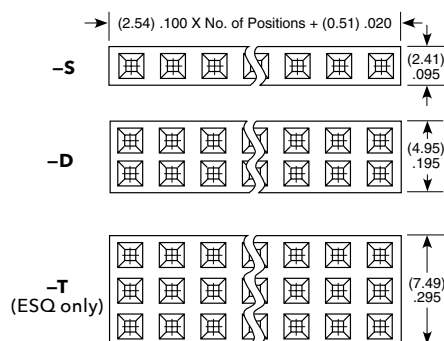
**"XXX"**  
= Polarized

| LEAD STYLE                     |                           |              |              |
|--------------------------------|---------------------------|--------------|--------------|
| STANDARD<br>INSERTION<br>FORCE | Low<br>INSERTION<br>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 |

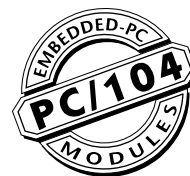
### PROCESSING

#### Lead-Free Solderable:

No, Lead Wave only



### APPLICATIONS



*Self  
Nesting  
Sockets*

(ESQ SERIES)

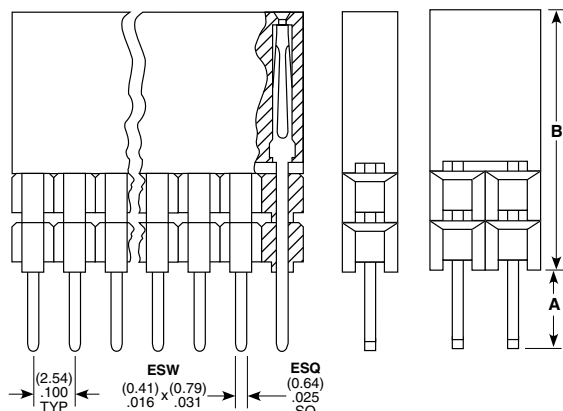


### ALSO AVAILABLE

Other Plating  
(MOQ Required)

#### Note:

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



| 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.