

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 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 μ" (0.25 μm) 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

ESQ
= Square Tail

01 thru 36

Specify **LEAD STYLE** from chart

-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)

-S
= Single Row

-D
= Double Row

-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 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.

Mouser Electronics

Authorized Distributor

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

[Samtec:](#)

[ESQ-120-12-S-D](#) [ESQ-132-34-G-D](#) [ESQ-108-34-G-D](#) [ESQ-109-12-G-S](#) [ESQ-105-23-S-D](#) [ESQ-112-33-G-D](#) [ESQ-115-23-G-D](#) [ESQ-103-12-T-S](#) [ESQ-110-33-G-D](#) [ESQ-113-12-G-T](#) [ESQ-105-12-G-D](#) [ESQ-107-12-G-D](#) [ESQ-117-23-S-D](#) [ESQ-132-13-G-D](#) [ESQ-125-13-G-D](#) [ESQ-115-44-S-D-LL](#) [ESQ-106-23-G-S](#) [ESQ-105-44-G-D](#) [ESQ-108-33-G-D](#) [ESQ-113-44-S-D](#) [ESQ-120-13-G-D](#) [ESQ-130-23-G-D](#) [ESQ-120-34-G-D](#) [ESQ-132-14-G-D](#) [ESQ-132-12-S-D](#) [ESQ-120-12-G-D](#) [ESQ-120-14-G-D](#) [ESQ-132-12-G-D](#) [ESQ-120-39-G-D](#) [ESQ-117-33-G-D](#) [ESQ-102-12-G-D](#) [ESQ-105-12-G-S](#) [ESQ-105-13-G-D](#) [ESQ-110-34-G-D](#) [ESQ-120-23-T-D](#) [ESQ-132-24-G-D](#) [ESQ-120-24-G-D](#) [ESQ-120-69-G-D](#) [ESQ-115-12-G-T](#) [ESQ-120-33-G-D](#) [ESQ-101-14-G-D](#) [ESQ-104-14-G-D](#) [ESQ-108-44-G-D](#) [ESQ-102-13-G-D](#) [ESQ-105-33-S-D](#) [ESQ-105-58-S-D](#) [ESQ-104-23-T-S](#) [ESQ-104-37-G-D](#) [ESQ-108-13-T-S](#) [ESQ-105-24-G-D](#) [ESQ-110-37-G-D](#) [ESQ-107-12-L-D-LL](#) [ESQ-108-37-G-S](#) [ESQ-105-23-S-T](#) [ESQ-106-23-L-D](#) [ESQ-105-12-G-D-LL](#) [ESQ-106-12-G-S-LL](#) [ESQ-110-44-G-D-LL](#) [ESQ-117-34-S-D](#) [ESQ-110-14-G-D](#) [ESQ-112-44-S-S](#) [ESQ-120-23-L-D](#) [ESQ-110-14-L-S-LL](#) [ESQ-118-12-T-S](#) [ESQ-103-34-G-D](#) [ESQ-108-44-S-D](#) [ESQ-110-23-T-D](#) [ESQ-117-69-L-D](#) [ESQ-122-33-L-D](#) [ESQ-111-44-G-T](#) [ESQ-117-23-G-D](#) [ESQ-125-12-L-D](#) [ESQ-125-44-S-D](#) [ESQ-130-14-G-D](#) [ESQ-132-14-G-S](#) [ESQ-114-12-G-D](#) [ESQ-117-69-G-T](#) [ESQ-126-24-G-D](#) [ESQ-132-12-G-D-LL](#) [ESQ-116-13-G-D](#) [ESQ-117-14-G-S](#) [ESQ-120-33-L-D-LL](#) [ESQ-118-12-G-D](#) [ESQ-122-34-L-S](#) [ESQ-120-48-L-D](#) [ESQ-125-23-S-T](#) [ESQ-136-39-G-D](#) [ESQ-102-33-L-S](#) [ESQ-105-12-T-S](#) [ESQ-105-44-S-S](#) [ESQ-102-37-G-S](#) [ESQ-103-23-T-D](#) [ESQ-106-14-T-S](#) [ESQ-108-12-L-S](#) [ESQ-104-48-G-S](#) [ESQ-104-44-G-D](#) [ESQ-108-14-G-D](#) [ESQ-104-12-G-D](#) [ESQ-106-33-G-T](#) [ESQ-106-23-G-S-LL](#)