

(2.54 mm) .100"

ESQ-110-44-T-D

ESQ-132-14-G-D

ESW-115-12-G-S

ESW, ESQ SERIES

ELEVATED SOCKET

Mates with:

TSW, MTSW, EW,
MTLW, TSS, ZSS, TSM,
DW, ZW, HW, TSSH, HTSS

SPECIFICATIONS

For complete specifications
see www.samtec.com?ESW or
www.samtec.com?ESQ

Insulator Material:
Black Glass Filled Polyester

Contact Material:
Phosphor Bronze

Plating:

Au or Sn over
50 μ " (1.27 μ 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 μ " (0.25 μ m) Au

RoHS Compliant:
Yes

Lead-Free Solderable:
Wave only

RECOGNITIONS

For complete scope
of recognitions see
www.samtec.com/quality



ALSO AVAILABLE
(MOQ Required)

- Other platings

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

TYPE STRIP

1

NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

ROW OPTION

OTHER OPTION

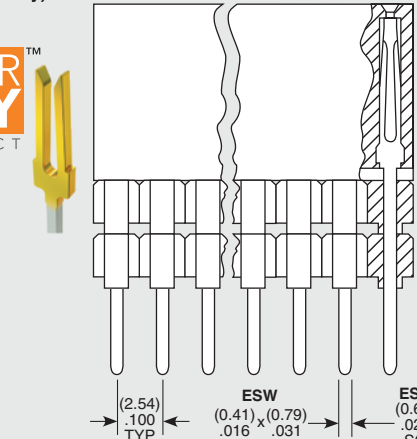
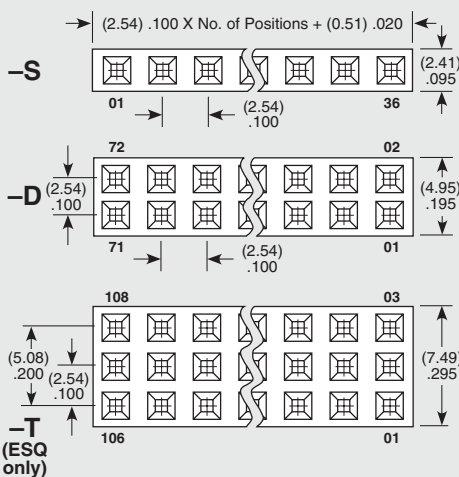
ESW

= Solder Tail

ESQ

= Square Tail

01 thru 36



—L
= 10 μ " (0.25 μ m)
Gold contact,
Matte Tin on tail

—G
= 20 μ " (0.51 μ m)
Gold contact,
Gold Flash on Balance

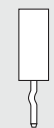
—T
= Matte Tin
(N/A w/LIF contact)

—S
= Single
Row

—D
= Double
Row

—T
= Triple
Row
(ESQ only)

—LL
= Locking
Lead

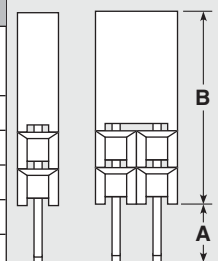


Two leads per
strip crimped.
N/A with single
row 1 or 2
positions.

—“XXX”
= Polarized

Specify LEAD STYLE from chart below.

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



(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.

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.