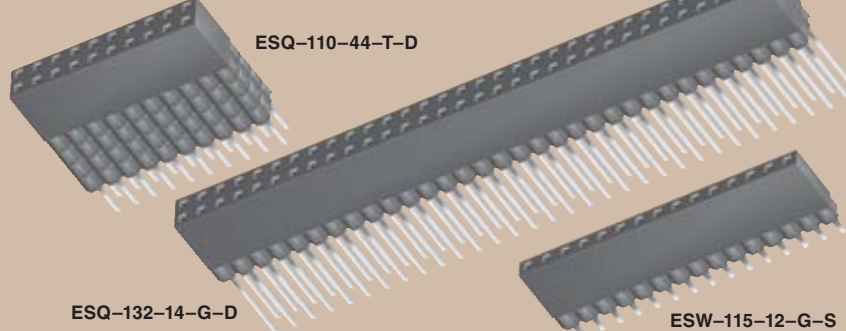


(2,54mm) .100"

ESW, ESQ SERIES



ELEVATED SOCKET

Mates with:
TSW, MTSW, EW, MTLW,
TSS, ZSS,
TSM, DW, ZW, HW

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

50μ" (1,27μm) Ni

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

Contact Resistance:
10 mΩ max

Insertion Depth:
(3,68mm) .145" to
(6,35mm) .250"

Insertion Force:
(Single contact only)
Standard = 6oz (1,67N) avg.
(0,64mm) .025" SQ pin);

ESW Low Insertion Force=
3oz (0,83N) avg.

ESQ Low Insertion Force=
3.3oz (0,92N) avg.

Normal Force:
Standard = 125 grams (4,4N)

Withdrawal Force:
(Single contact only)
Standard = 5oz (1,39N) avg.
(0,64mm) .025" SQ pin);

ESW Low Insertion Force=
2.6oz (0,72N) avg.

ESQ Low Insertion Force=
2.9oz (0,81N) avg.

Max Cycles:
100 with 10μ" (0,25μm) Au
RoHS Compliant:
Yes

Lead-Free Solderable:
Wave only



TYPE STRIP

1

NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

ROW OPTION

OTHER OPTION

ESW

= Solder Tail

ESQ

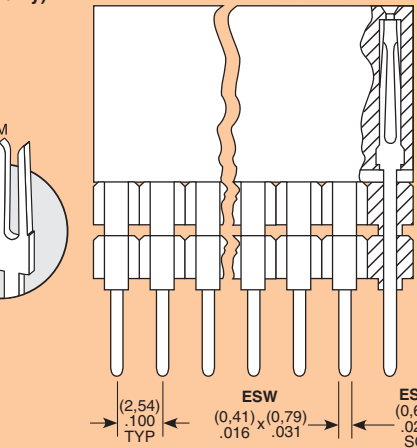
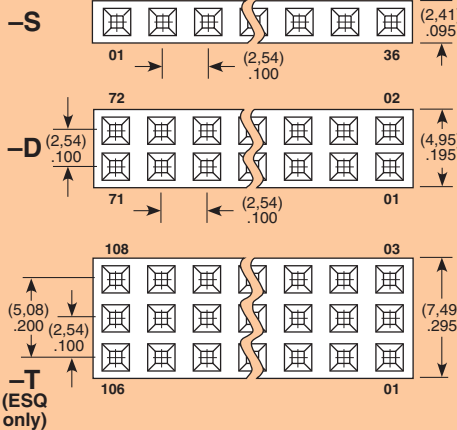
= Square Tail

CURRENT RATING

AMBIENT TEMP	ESW mated with TSW
20°C	6.9A
40°C	6.0A
60°C	5.3A
95°C	3.5A

6 POSITIONS (2x3) POWERED

01 thru 36



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

-L
= 10μ" (0,25μm)
Gold contact,
Matte Tin on tail

-G
= 20μ" (0,51μm)
Gold contact,
Gold Flash on Balance

-T
= Matte Tin
(N/A w/LIF contact)

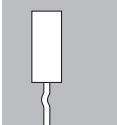
Note: Other Gold plating
options available.
Contact Samtec.

-S
= Single
Row

-D
= Double
Row

-T
= Triple
Row
(ESQ only)

-LL
= Locking
Lead

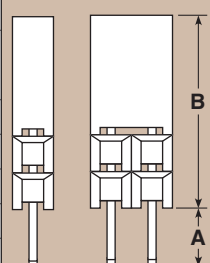


Two leads per
strip crimped.
N/A with single
row 1 or 2
positions.

"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	(13,59) .535
- 23	- 48	(4,83) .190	(16,13) .635
- 33	- 58	(2,29) .090	(11,05) .435
- 14	- 39	(12,19) .480	(13,59) .535
- 24	- 49	(9,65) .380	(16,13) .635
- 34	- 59	(7,11) .280	(18,67) .735
- 44	- 69	(4,57) .180	



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.

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