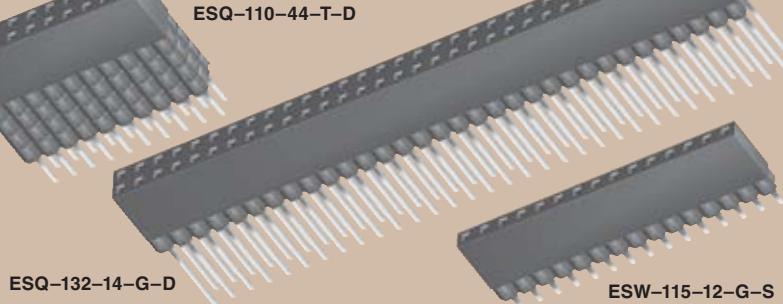




(2,54 mm) .100"

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
50μ" (1.27 μm) 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

Insertion Depth:(3.68 mm).145" to
(6.35 mm).250"**Insertion Force:**

(Single contact only)

Standard = 6 oz (1.67 N) avg.

((0.64 mm).025" SQ pin);

ESW Low Insertion Force=

3 oz (0.83 N) avg.

ESQ Low Insertion Force=

3.3 oz (0.92 N) avg.

Normal Force:

Standard = 125 grams (4.4 N)

Withdrawal Force:

(Single contact only)

Standard = 5 oz (1.39 N) avg.

((0.64 mm).025" SQ pin);

ESW Low Insertion Force=

2.6 oz (0.72 N) avg.

ESQ Low Insertion Force=

2.9 oz (0.81 N) avg.

Max Cycles:

100 with 10μ" (0.25 μm) Au

RoHS Compliant:

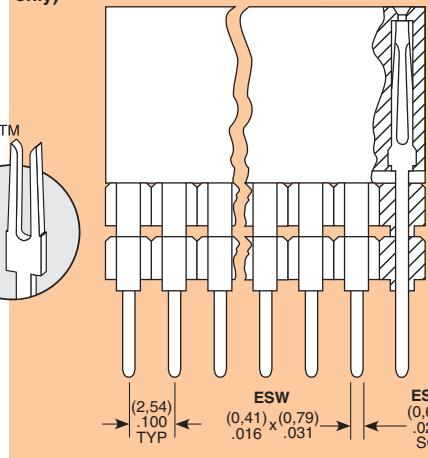
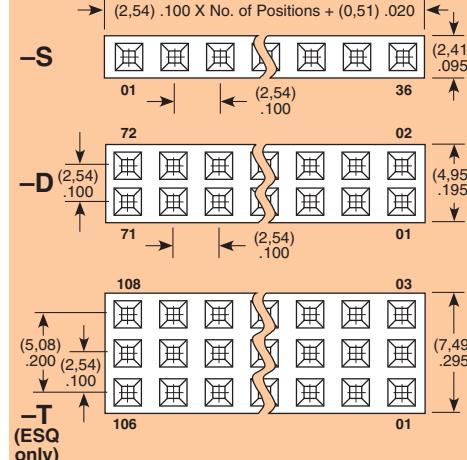
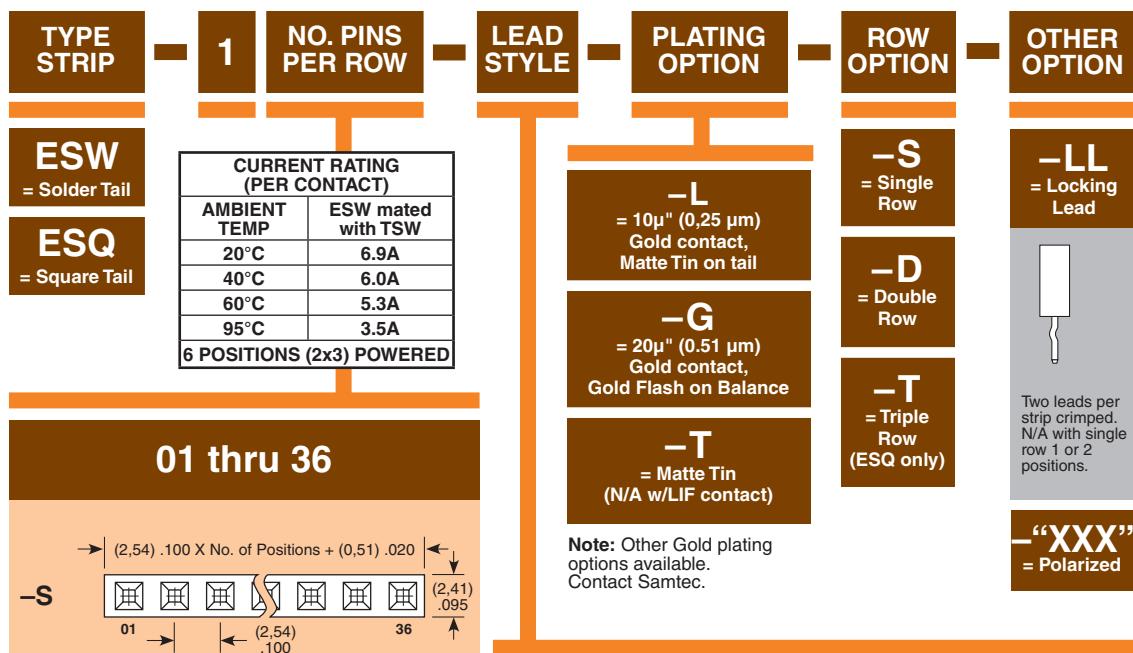
Yes

Lead-Free Solderable:

Wave only



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

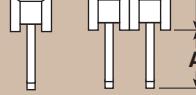


Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

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**

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.