

(2,54 mm) .100"

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

Current Rating (ESW/TSW):

5.2 A per pin

(1 pin powered per row)

Current Rating (ESQ/TSW):

5.7 A per pin

(1 pin powered per row)

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

RECOGNITIONS

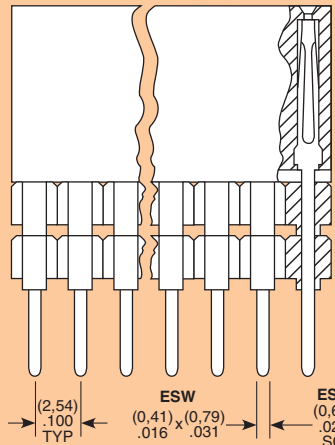
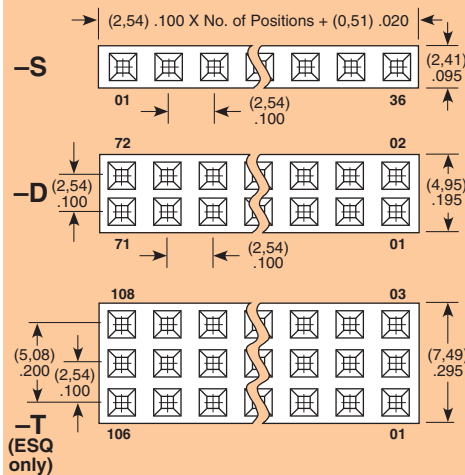
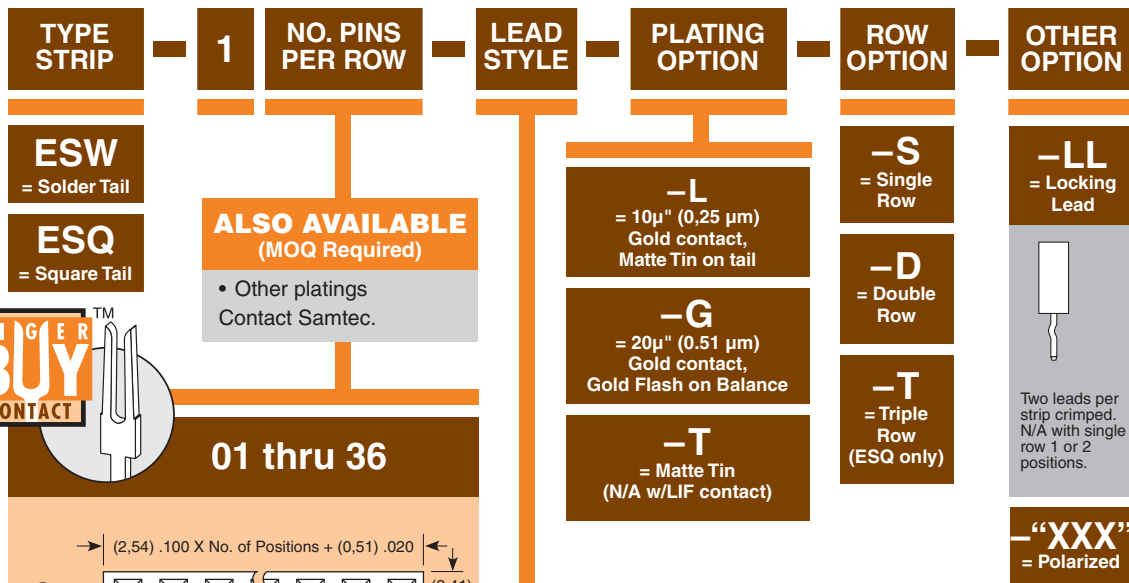
For complete scope
of recognitions see
www.samtec.com/quality



FILE NO. E111594

FILE NO. 010071_0_000

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



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

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.

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

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