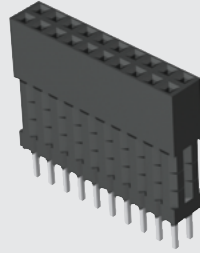


(2,54 mm) .100"

ESQ-110-44-T-D



ESW-115-12-G-S



ESQ-132-14-G-D

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

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



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

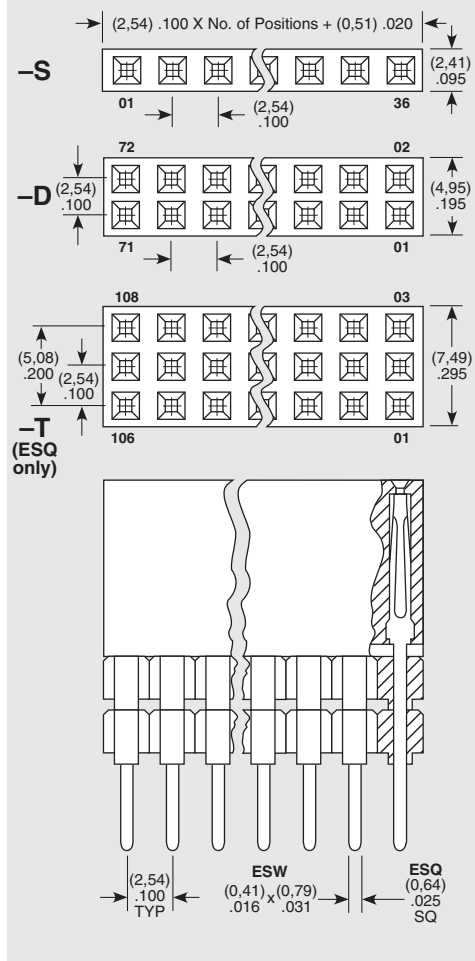
TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OTHER OPTION
ESW = Solder Tail ESQ = Square Tail				-L = 10µ" (0,25 µm) Gold contact, Matte Tin on tail -G = 20µ" (0,51 µm) Gold contact, Gold Flash on Balance -T = Matte Tin (N/A w/LIF contact)	-S = Single Row -D = Double Row -T = Triple Row (ESQ only)	-LL = Locking Lead Two leads per strip crimped. N/A with single row 1 or 2 positions. "XXX" = Polarized

ALSO AVAILABLE
(MOQ Required)

- Other platings
- Contact Samtec.

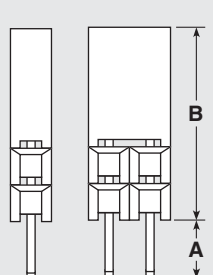


01 thru 36

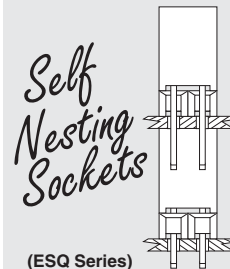
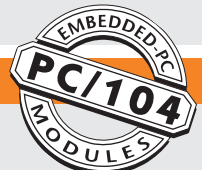


Specify LEAD STYLE from chart below.

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.