



(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](http://www.samtec.com?ESW) or [www.samtec.com?ESQ](http://www.samtec.com?ESQ)

**Insulator Material:** Black Glass Filled Polyester  
**Contact Material:** Phosphor Bronze

**Plating:** Au or Sn over 50 μ" (1.27 μm) 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 μm) Au

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Wave only

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

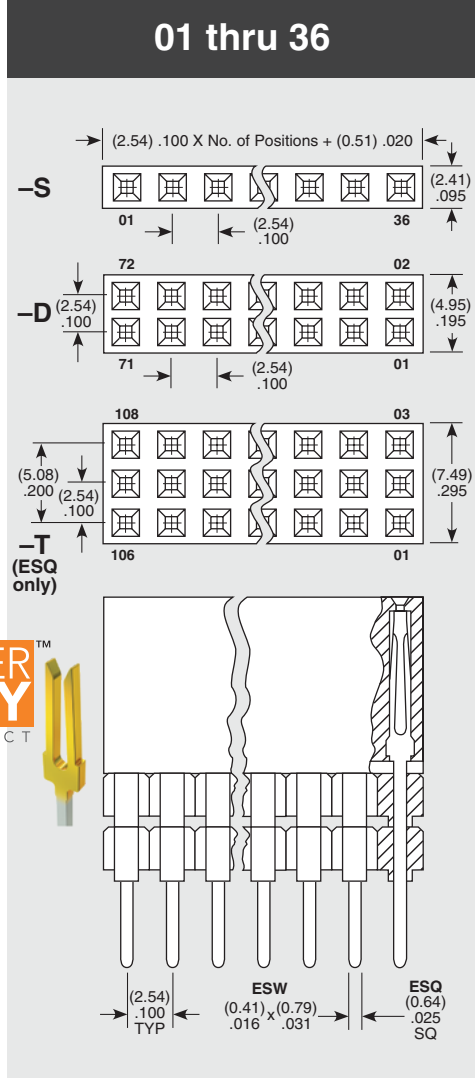


ALSO AVAILABLE (MOQ Required)

- Other platings

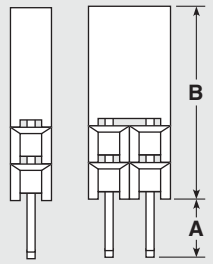
**Note:** Some lengths, styles and options are non-standard, non-returnable.

TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OTHER OPTION
ESW = Solder Tail				-L = 10 μ" (0.25 μm) Gold contact, Matte Tin on tail	-S = Single Row	-LL = Locking Lead
ESQ = Square Tail				-G = 20 μ" (0.51 μm) Gold contact, Gold Flash on Balance	-D = Double Row	
				-T = Matte Tin (N/A w/LIF contact)	-T = Triple Row (ESQ only)	
						"XXX" = Polarized

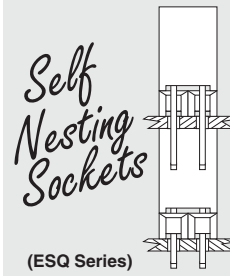
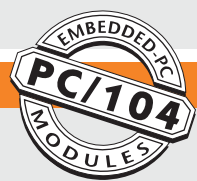


## Specify LEAD STYLE from chart below.

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



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](http://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.