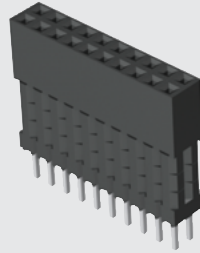
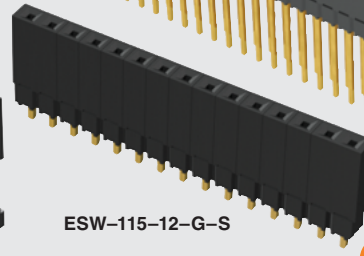


(2,54 mm) .100"

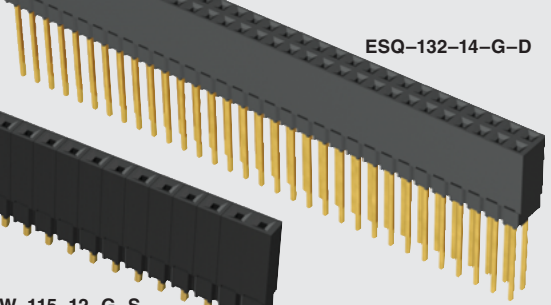
ESQ-110-44-T-D



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

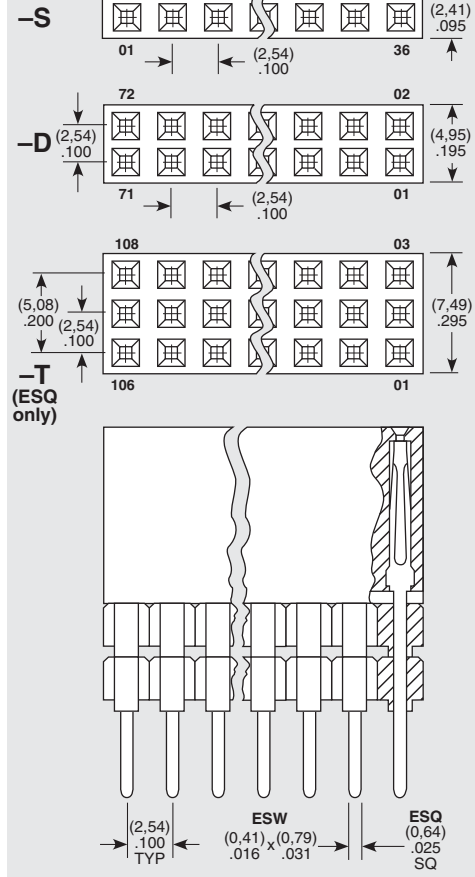
RECOGNITIONS

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



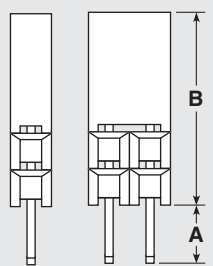
Note: Some lengths, styles and options are non-standard, non-returnable.

TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OTHER OPTION	
ESW = Solder Tail	ALSO AVAILABLE (MOQ Required)	01 thru 36	-L = 10µ" (0,25 µm) Gold contact, Matte Tin on tail	-G = 20µ" (0,51 µm) Gold contact, Gold Flash on Balance	-S = Single Row	-LL = Locking Lead	
ESQ = Square Tail							-D = Double Row
TIGER BUY CONTACT							-T = Triple Row (ESQ only)
			-T = Matte Tin (N/A w/LIF contact)	"XXX" = Polarized			

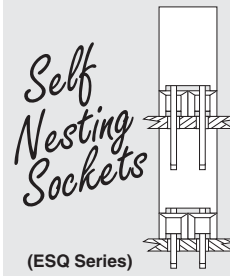
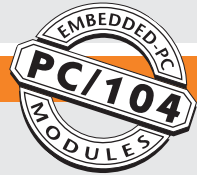


Specify LEAD STYLE from chart below.

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	(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.