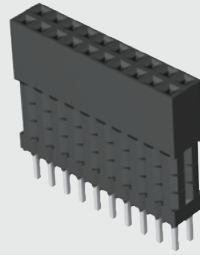




(2.54 mm) .100"

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 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

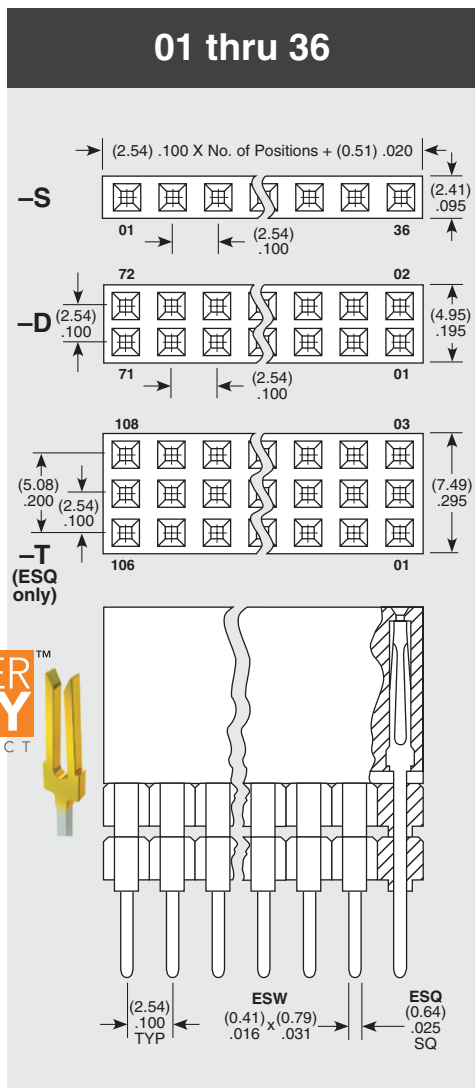


ALSO AVAILABLE (MOQ Required)

- Other platings

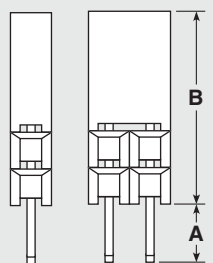
Note: Some lengths, styles and options are non-standard, non-returnable.

| 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 |

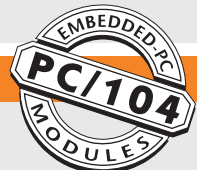


Specify LEAD STYLE from chart below.

| 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

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.