**ELEVATED SOCKET**

Mates with:
TSW, MTSW, EW, MTLW, TSS, ZSS, TSM, DW, ZW, HW, TSSH, HTSS

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**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 (5.35 mm) .250"

Insertion Force:
(Single contact only)
Standard = 6 oz (1.67 N) avg.
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.
ESW 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

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**RECOGNITIONS**

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

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

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**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.

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**LEAD STYLE**

Specify LEAD STYLE from chart below.

**STANDARD INSERTION FORCE**

- 12
- 13
- 23
- 33
- 14
- 24
- 34
- 44

**LOW INSERTION FORCE**

- 37
- 38
- 48
- 58
- 39
- 49
- 59
- 69

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

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**contacts**

For complete specifications see www.samtec.com/ESW or www.samtec.com/ESQ

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