ELEVATED SOCKET

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

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 (1.27µm) Ni

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 max

Insertion Depth:
(3.80mm) .145" to (6.35mm) .250"

Insertion Force:
(Single contact only)
Standard = 6oz (1.67N) avg.
ESW Low Insertion Force= 3oz (0.83N) avg.
ESQ Low Insertion Force= 3.3oz (0.92N) avg.

Normal Force:
Standard = 125 grams (4.4N)

Withdrawal Force:
(Single contact only)
Standard = 5oz (1.4N) avg.
(0.64mm) .025" SQ pin)
ESW Low Insertion Force= 2.9oz (0.82N) avg.
ESQ Low Insertion Force= 2.9oz (0.81N) avg.

Max Cycles:
100 with 15µ (0.38µm) Au

RoHS Compliant:
Yes

Lead-Free Solderable:
Wave only

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

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.

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