**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
- **Insulation Depth:** (3.68 mm) .145" to (5.53 mm) .215"
- **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 = 2.6 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.

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**Applications**

Self Nesting Sockets

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.**