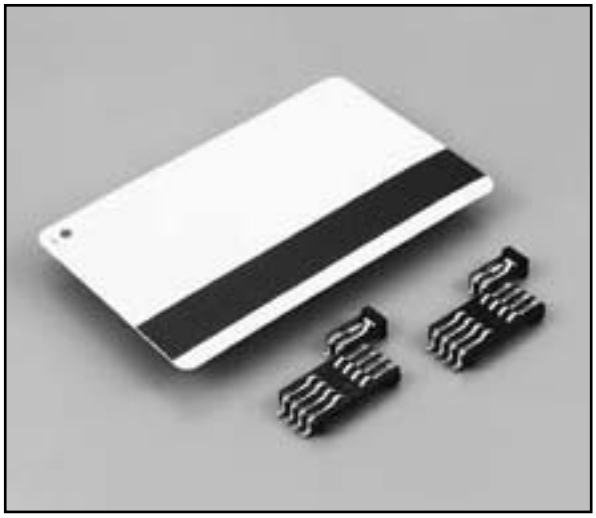
SF1 SERIES CONNECTORS

2.54mm (.100") Contact Spacing, Smart Card SMT Connectors



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SF1 Series socket connectors are designed for ISO 7816 specified IC cards. They are designed for use in various terminal devices such as network computers, set-top boxes, PCs and portable telecommunications terminals.

FEATURES

- 8 pins, plus 2 card switch detection pins
  16 pins, plus 2 card switch detection pins
- Slide to contact IC card
- High density SMT packaging
- Insulator Thickness:
  3.5mm (.138") Standoff 1.5mm (.059")
  2.5mm (.098") Standoff 0.5mm (.020")
  1.4mm (.055") Standoff 0.15mm (.006")

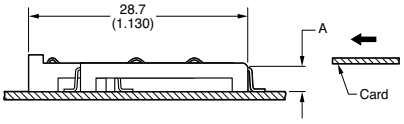
GENERAL SPECIFICATIONS

Number of Contacts	10 (Signal 8, Switch 2) 18 (Signal 16, Switch 2)
Contact Spacing	2.54mm (.100")
Current Rating	1 Amp per contact
Dielectric Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	1000 megohms min.
Contact Resistance	100 milliohms max.
Operating Temperature	-40°C to +90°C

MATERIALS AND FINISHES*

Description	Materials/Finishes
Insulator	Glass-filled PPS (UL94V-0, Black)
Signal Contact	Copper Alloy Connecting area: Gold over Palladium Nickel SMT area: Tin-Lead
Switch Contact	Copper Alloy Connecting area: Gold over Palladium Nickel SMT area: Tin over Nickel Plating

Connector Profile (Ref.)



ORDERING INFORMATION

SF1 W *** S * * E

Series
Mounting Type
  W – SMT
No. of Contacts
  010 – 8 Signal, 2 Switch
  018 – 16 Signal, 2 Switch
Connector Type
  S – Socket
Contact Plating
  1 – 0.1µm (.000004") Gold Plating
  9 – 0.3µm (.00000001") Gold over
    Palladium plus Nickel
Insulator Thickness Code
  A – 3.5mm (.138") Left Side Switch
  B – 3.5mm (.138") Right Side Switch
  C – 2.5mm (.098") Right Side Switch
  D – 1.4mm (.055") Right Side Switch
Lead Free Version

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.