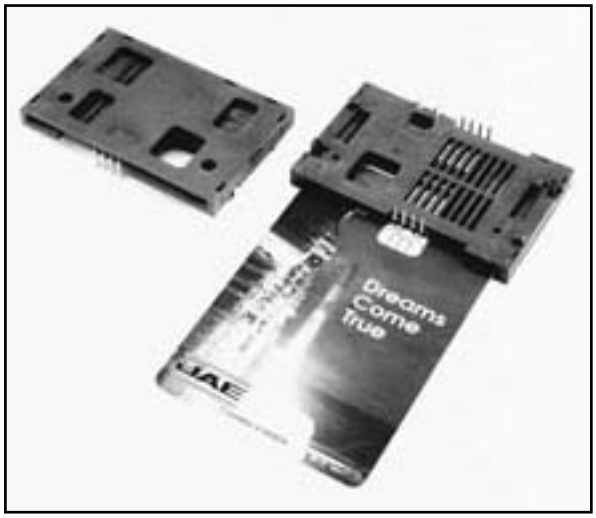
SF5 SERIES CONNECTORS

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



SF5 Series guide frames are designed for use with smart cards conforming to the ISO 7816 standard. Applications include various electronic equipment utilizing smart cards, POS stations, computer equipment, telecommunications equipment and ID administrative systems.

FEATURES

- 8 pins, plus 2 card switch detection pins, or 16 pins
- Slide to contact IC card
- Sliding contact system
- Sealed tactile switch is protected from humidity and dust
- Removable top cover
- Protected against hostile environments

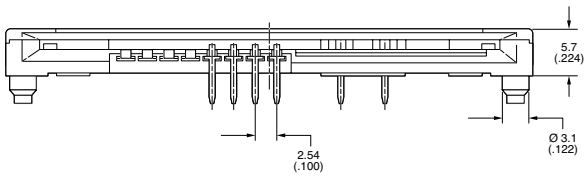
GENERAL SPECIFICATIONS

Number of Contacts		10 (Signal 8, Switch 2) 16 Signal
Contact Spacing		2.54mm (.100")
Current Rating	Contact	10µ Amp - 1 Amp per contact
	Switch	50mA max.
Dielectric Withstanding Voltage	Contact	500 VAC r.m.s. (for one minute)
	Switch	250 VAC r.m.s. (for one minute)
Contact Resistance		100 milliohms max.
Operating Temperature		-40°C to +90°C

MATERIALS AND FINISHES*

Description	Materials/Finishes
Contact	Copper Alloy Connecting area: Gold over Palladium Nickel Lead area: Tin-Lead Plating over Nickel
Switch Contact	Stainless Steel
Tactile Switch	–
Base Insulator	Glass-filled LCP (UL94V-0, Black)
Cover Insulator	Glass-filled LCP (UL94V-0, Black)

Connector Profile (Ref.)



ORDERING INFORMATION

SF5 U * S 9 * E**

Series
- 5 – Slide Guide Frame

Mounting Type
- U – Through Hole Contact

No. of Contacts
- 010 – 8 Signal, 2 Switch
- 016 – 16 Signal

Connector Type
- S – Socket

Contact Plating
- 9 – 0.03µm (.00000001") Gold Plating over Lead-Nickel

Modification Code
- A – 5.7mm (.224"), Right Side Switch
- D – 7.0mm (.276"), Reverse Mount

Lead Free Version

• Please consult JAE for verification of product availability.

Dimensions in mm (inches).