C702E Wiping Contact Full Smart Card Connectors

Ideal for limited mating cycle application such as set top boxes.

Electrical

Contact resistance	- < 30 mΩ
Switch contacts	- < 50 mΩ
Insulation	- > 10^9 Ω
High Voltage resistance	- 500VAC 1 min

Environmental

Temperature	- -25ºC thru 70ºC
Vibration	- IEC 60512-4, Test 6d
Shock	- IEC 60512-4, Test 6c

Switch

Normally closed.
Switch activates after data contacts mate.
Chatter time - < 5 ms

Mechanical

Durability - 10^5 Cycles
Mounting is Dip Solder Pin unless otherwise indicated
Soldering conditions

Wave Soldering	- 260°C, 10s max
Infrared Reflow	- 230°C, 30s max

Features

- DIP solder or SMT
- Self cleaning switch
- Special contact to minimize card scratching
- Indicated connectors according to EMV

Part Number:	Description	Chip	Diagram
C702 10M008 272 4	B/L, EMV, SC	ISO	Fig 1
C702 10M008 255 4	B/L, EMV, SC, 3mm	ISO	Like Fig 1
C702 10M008 271 4	B/L, EMV, SC, DP	ISO	Fig 2
C702 10M008 283 4	B/L, EMV, SC, 3mm, CG	ISO	Fig 3
C702 10M008 286 4	B/L, EMV, SC, CG	ISO	Like Fig 3
C702 10M008 278 4	B/L, SC, DD	ISO	Fig 4
C702 10M008 279 4	B/L, SC, DD, 3mm	ISO	Fig 4
C702 10M008 295 4	B/L, SC, DD	ISO	Fig 4
C702 10M008 290 4	B/L, SC, DD, DT, DP	ISO	
C702 10M008 294 4	B/L, SC, DD, DT, DP	ISO	
C702 10M008 201 4	SM	ISO	Fig 5
C702 10M008 202 4	SM	AFNOR	Fig 5
C702 10M008 203 4	SM	ISO+AFNOR	Fig 5
C702 10M008 206 4	B/L	ISO	Like Fig 5
C702 10M008 207 4	B/L	AFNOR	Like Fig 5
C702 10M008 205 4	B/L	ISO+AFNOR	Like Fig 5
C702 10M008 244 4	B/L, SC, SMT	ISO	Like Fig 6
C702 10M008 230 4	B/L, SC, CG, SMT	ISO	Fig 6
C702 20M008 224 4	B/L, SC, CG, SMT	ISO+AFNOR	Fig 6
C702 20M008 226 4	B/L SC, CG	ISO	Like Fig 6
C702 20M008 235 4	B/L SC, CG	ISO+AFNOR	Like Fig 6

Terminology

B/L	– Board Locks	EMV	– Europay Mastercard Visa
3mm	– 3mm stand-offs	DD	– Double Decker Reader
SC	– Self-Cleaning Switch (N/C)	DP	– Dual Plane Contacts
CG	– Card Guide	DT	– Double Thickness Card
SM	– Screw/Rivot Mount	SMT	– Surface Mount

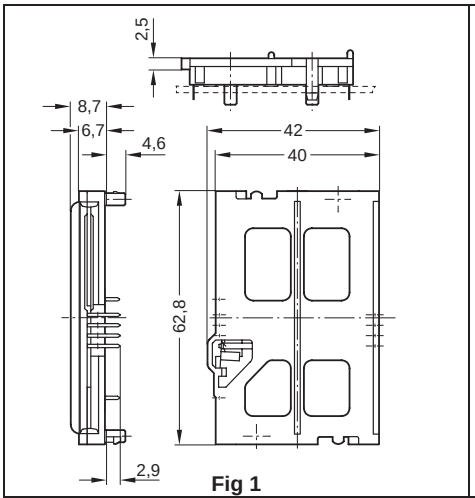

Fig 1

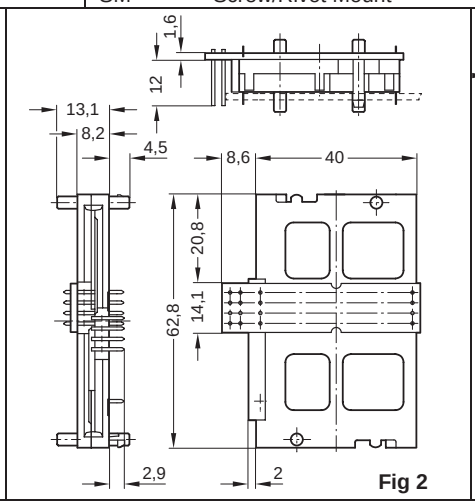

Fig 2

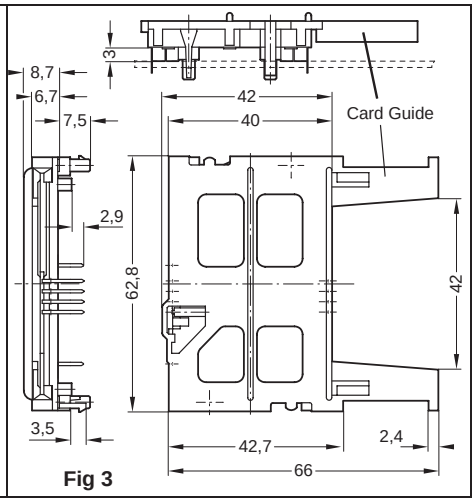

Fig 3

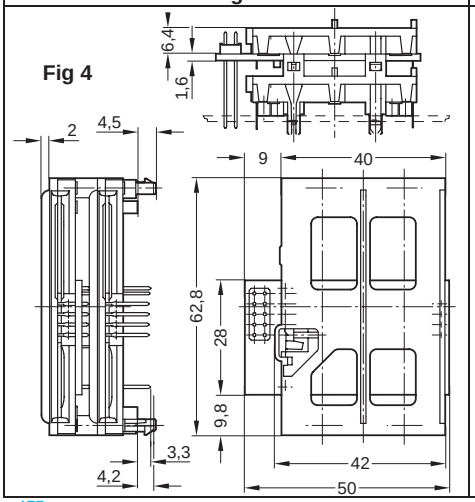

Fig 4

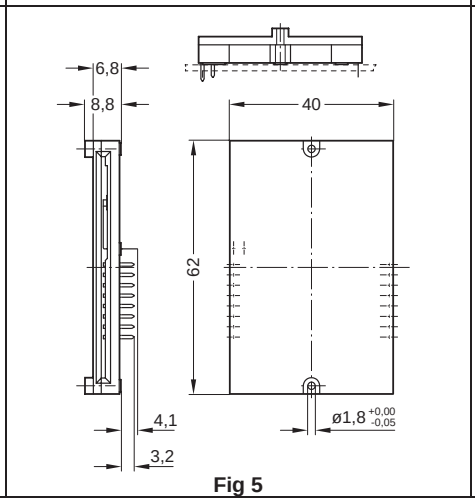

Fig 5

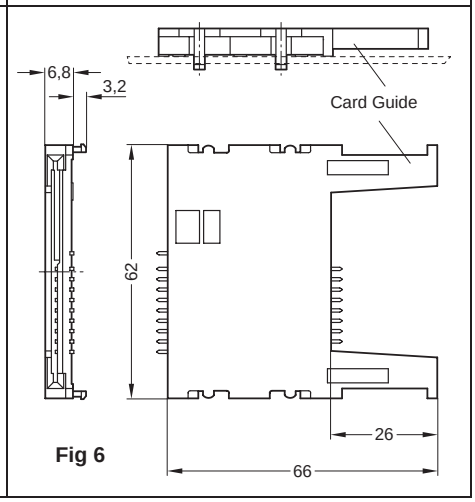

Fig 6