

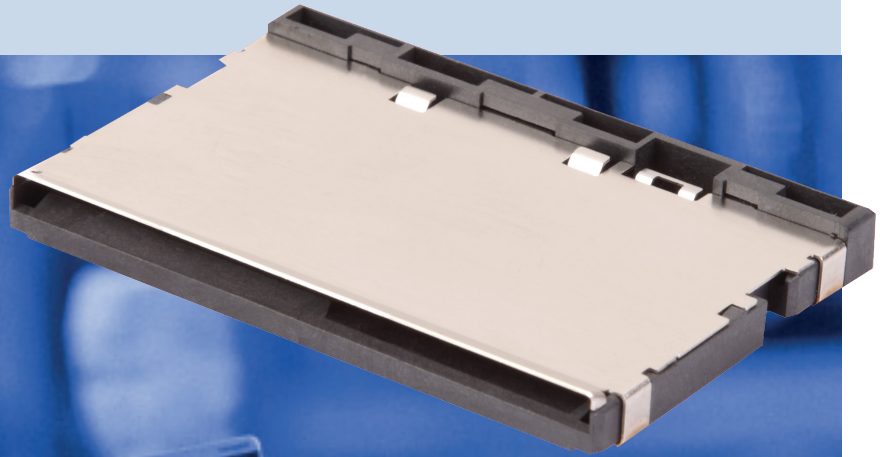
# Smart Card Connector with landing contacts

## Advantages

- Very smooth card insertion
- Reduced signs of wear on the Smart Card
- Metal cover: low profile, high mechanical strength
- Designed according to the PCI requirements

## Areas of Application

- Payment terminals / Point of Sales
- Health card terminals
- Access control
- Gas-, water-, and electricity meters



# Technical Data

Parameter	Value
Number of contacts	8 contacts
Switch	Normally open (no card inserted)
Card type	According to ISO 7810 / 7816
Card thickness	0,76 ± 0,08 mm
Termination technique	SMT (reflow soldering)
Operating temperature	-25 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Insulation resistance	> 10 <sup>8</sup> Ω
High voltage resistance	500 V AC for 1 minute
Rated voltage	< 15 V DC
Rated current	< 0,5 A
Contact resistance	< 60 mΩ (data contacts) < 1 Ω (switch)
Card holding force at end stop	> 2N
Mechanical lifetime	500 000 mating cycles (without corrosion stress)

## Materials

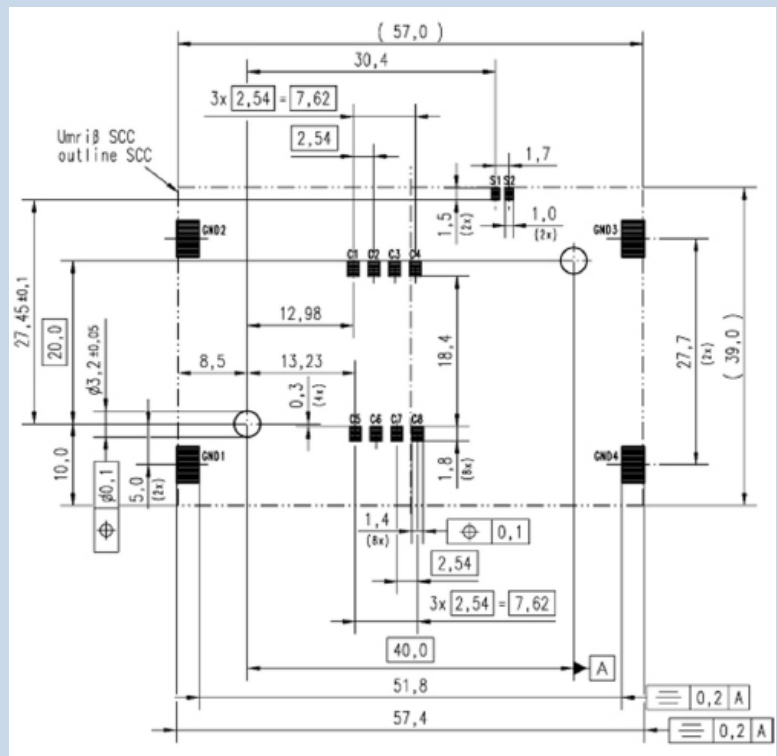
Insulator	LCP, black
Contact plating	Au over Ni

## Description

Description	Part Number
Smart Card Connector	<b>C702 10M008 320 4</b>

### Proposed PCB layout (component side)

recommended solder paste thickness: 0,18mm  
No-clean solder paste recommended, part is not washable



### General Information

We reserve the right to change the design due to improvement in quality, development or production requirements. This data sheet must not be used in any form or manner without our prior approval in writing (Copyright, Law, Fair Trading Law, Civil Code). All technical data have been measured in a laboratory environment and can be different during practical usage of the product. Any product information is for descriptive usage only and not legally binding; particularly the information does not constitute or provide any legal guaranties ("Beschaffungsgarantie" or "Haltbarkeitsgarantie")

**Amphenol-Tuchel Electronics GmbH | August-Haeusser Strasse 10 | 74080 Heilbronn, Germany**  
Telephone: +49 (0)7131 929-0 | Fax: +49 (0)7131 929-486 | [www.industrial-amphenol.com](http://www.industrial-amphenol.com)