

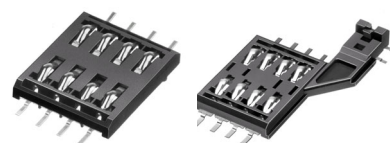
IC card connectors

SCN-1308 / -1608 type

1/3

Features

- ◇ Conforms to ISO-7816.
- ◇ Provision for suction space allows for automatic mounting.
- ◇ Can be supplied in embossed taping for automatic mounting.
- ◇ Long life of 300,000 cycles.
- ◇ A detection switch is the high reliability by self cleaning structure.



Actual size

Applications

- ◇ Electronic accounting system terminals (electronic purse, outstanding balance indicator, etc.)
- ◇ Network computers, mobile communications terminals, POS terminals, etc.

Products Line

No	Products No	No. of contacts	Housing height	Existence of switch	Circuit diagram
1	SCN-1308-2	8 Pins	2.55 mm	Without	—
2	SCN-1608AU	8 Pins	2.20 mm	With	Normally open

Typical Specifications

Items	SCN-1308-2	SCN-1608AU	
		Contact part	Switch part
Applicable card	ISO-7816	ISO-7816	—
Rating	0.01 mA to 1 A 5 V DC	0.01 to 200 mA 5 V DC	0.1 to 10 mA 5 V DC
Contact resistance	40 milliohm	100 milliohm	1 ohm
Insulation resistance	100 megohm min. 250 V DC	50 megohm min. 100 V DC	50 megohm min. 100 V DC
Withstanding voltage	250 V AC for 1 min.	100 V AC for 1 min.	100 V AC for 1 min.
Life	500,000 cycles	300,000 cycles	300,000 cycles

Dimensions

Unit : mm

No	Style	P.C.B reference Land Dimensions (TOP VIEW)
1	SCN-1308-2	Technical drawing of SCN-1308-2 showing top, side, and detail views with dimensions. The top view shows a rectangular component with a central vacuum area of 2.6. Dimensions include 14.8, 1.6, 8-0.5, 9.6, 2.6, 1.39, 0.6, 10.4, and P=2.54. The side view shows a profile with dimensions 7.62, 0.1, 0.8, 2.55, 3.3, and 2-0.1. A detail view shows a cross-section of the component.
2	SCN-1608AU	Technical drawing of SCN-1608AU showing top, side, and detail views with dimensions. The top view shows a rectangular component with a central vacuum area of 3. Dimensions include 9.6, 3.4, 0.1, 2.2, 0.7, 0.5, 1.3, 11.73(C2-C4), 12.03(C1), 19.19(C6-C8), 19.49(C5), 23.66, 2.5, 2.7, 22.36, 21.56, 14.9, 9.5, 2.2, 16.5, 14.3, 12.1, 3-2.54, 11.6, 12.6, 0.5, 2.5, 16.4, 2.2, 1.9, 8-0.7, 2.49, 0.7, 11, 0.7, 16.1, 11, 8-1.1, 0.3, 2.5, 18.96, 22.8, 9.6, 0.3, 1.69, P=2.54, and 2-0.35. The side view shows a profile with dimensions 3.6, 2.2, 0.5, 9.6, 3.4, 0.1, 2.2, 0.7, 0.5, 1.3, 11.73(C2-C4), 12.03(C1), 19.19(C6-C8), 19.49(C5), 23.66, 2.5, 2.7, 22.36, 21.56, 14.9, 9.5, 2.2, 16.5, 14.3, 12.1, 3-2.54, 11.6, 12.6, 0.5, 2.5, 16.4, 2.2, 1.9, 8-0.7, 2.49, 0.7, 11, 0.7, 16.1, 11, 8-1.1, 0.3, 2.5, 18.96, 22.8, 9.6, 0.3, 1.69, P=2.54, and 2-0.35. A detail view shows a cross-section of the component.

Notes

1. The appearance and specifications of the product may be modified without prior notice to improve its performance.
2. This catalog shows only outline specifications. When using the product, please obtain formal specifications.
3. Please see exhibit [Cautions in Using Connectors].
4. Note that if the load is applied to the terminals during soldering, they might suffer deformation and defects in electrical performance.
5. Use of water-soluble soldering flux shall be avoided because it may cause corrosion of the switch.
6. Care shall be taken not to attach flux on plastic portion.
7. This connector is not washable.
8. Please confirm the performance on actual operation by simulation with actual environment environments for high reliability.