# Series CN015 - Type 20 Direct Mounting, Screw Fixing (with Ejector)

Card Connectors



# Specifications

Insulation Resistance: 1,000M $\Omega$  min. at 500V DC Withstanding Voltage: 500V AC rms for 1 minute Contact Resistance: 40m $\Omega$  max. (initial resistance)

excluding conductor resistance

of terminal (25m $\Omega$ )

Voltage Rating: 250V AC **Current Rating:** 0.5A

Operating Temp. Range: -20°C to +60°C

### Materials and Finish

PB / Ni-AU Contact: Insulator Base: PPS

#### **Features**

- Realizing smooth extraction of SmartMedia by ejection function
- Stand-off types are available to mount components under the body of CN015
- Adapting sequential method to secure data protection by contacting

in the order of Ground-Power-Signal correctly



# Part Number (Details)

#### CN015

\*Z - 20 0 1 - \*

Series No

#### Applications:

RZ = 3.3V for SmartMedia

Card (3.3V)

PZ = 3.3V / 5V for SmartMedia

Card (3.3V) and (5V)

#### Type 20

PCB Mounting: 1 = Screw Lock Type

(Screw Ø2.2mm See Note 1)

Height of Stand-off: \*\*\*)

0 = A(0.00mm), B(4.80mm), C(2.80mm)

1 = A(2.00mm), B(6.80mm), C(4.80mm)

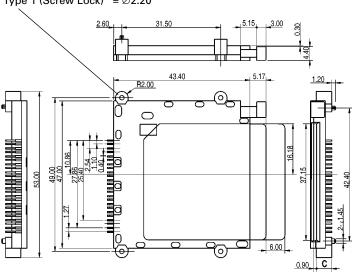
\*\*\*) Dimensions A, B and C are shown in drawings below.

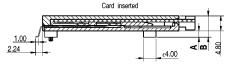


# Type 20 with Screw Lock

## PCB Mounting:

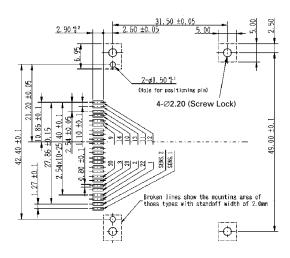
Type 1 (Screw Lock) =  $\emptyset$ 2.20





# Recommended PCB Layout

Top View



Recommended screw - M2.0 x length (thickness of PC board thickness of flange +2.0mm)

#### Special notice for operation:

Never soak and wash after soldering. There are cases where SmartMedia can not be smoothly inserted because of flux remaining inside of the connector, after washing. Wash only part of the connector terminal on PC board.

### **Function Table**

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Part Number	Voltage of SmartMedia	Ejector	Mis-insertion Protection	Sequential Contact	Write Protection Switch		
CN015RZ-2001-0 CN015RZ-2001-1	3.3V	Yes	Yes	Yes	Yes		
CN015PZ-2001-0 CN015PZ-2001-1	3.3V / 5V	Yes	No	Yes	Yes		

# Series CN015 - Type 20 Direct Mounting, SMT Fixing (with Ejector)



### **Specifications**

Insulation Resistance: 1,000M $\Omega$  min. at 500V DC Withstanding Voltage: 500V AC rms for 1 minute **Contact Resistance:** 40m $\Omega$  max. (initial resistance) excluding conductor resistance

of terminal (25m $\Omega$ )

Voltage Rating: 250V AC **Current Rating:** 0.5A

Operating Temp. Range: -20°C to +60°C

### Materials and Finish

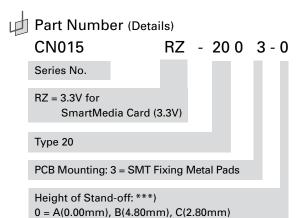
Contact:

# PB / Ni-Au

Insulator Base: PPS (glass filled) black

### **Features**

- Realizing smooth extraction of SmartMedia by ejection function
- Stand-off types are available to mount components under the body of CN015
- Adapting sequential method to secure data protection by contacting in the order of Ground-Power-Signal correctly

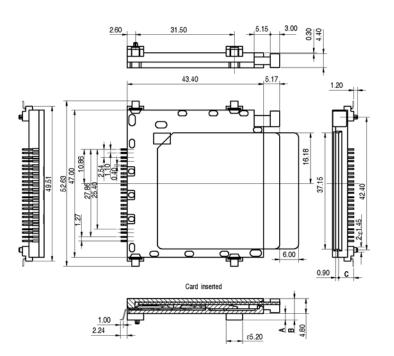


<sup>\*\*\*)</sup> Dimensions A, B and C are shown in drawings below.



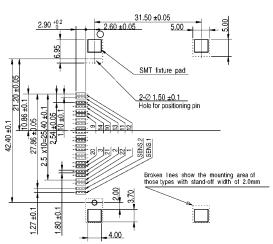


## Type 20 with SMT Metal Pads (3.3V)



# Recommended PCB Layout

Top View



#### Special notice for operation:

Never soak and wash after soldering. There are cases whereSmartMedia can not be smoothly inserted because of flux remaining inside of the connector, after washing. Wash only part of the connector terminal on PC board.

#### **Function Table**

Part Number	Voltage of SmartMedia	Ejector	Mis-insertion Protection	Sequential Contact	Write Protection Switch
CN015RZ-2003-0	3.3V	Yes	Yes	Yes	Yes