

# SIM CARD CONNECTORS

## SIM/Micro SD Combination 9162-500



- Six position slide-in SIM connector & Push-Push microSD connector
- Allows two cards to be inserted into the same connector
- Card detect switch on the microSD

### APPLICATIONS

- Cellular Phones
- Radios

### FEATURES AND BENEFITS

- Space saving connector combination
- Integrates 2 connectors into 1
- Contact Plating: Gold
- Insulator molded from LCP UL94 V-0
- Low profile 1.50mm to SIM
- 2.70mm connector height

### ELECTRICAL

- Current Rating: 0.3 Amp / Contact
- Voltage Rating: 15 VAC

### ENVIRONMENTAL

- Operating Temperature:  
-55°C to +70°C

### MECHANICAL

- Insulator Material: LCP; UL94 V-0
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: SIM @10,000 Cycles / SD @ 6000 Cycles

### HOW TO ORDER

**00**  
Prefix

**9162**  
Series

**006**  
Number of  
Contacts

**50**  
SIM Type  
50 = SMT with SIM  
and Micro SD  
Slots at 90°

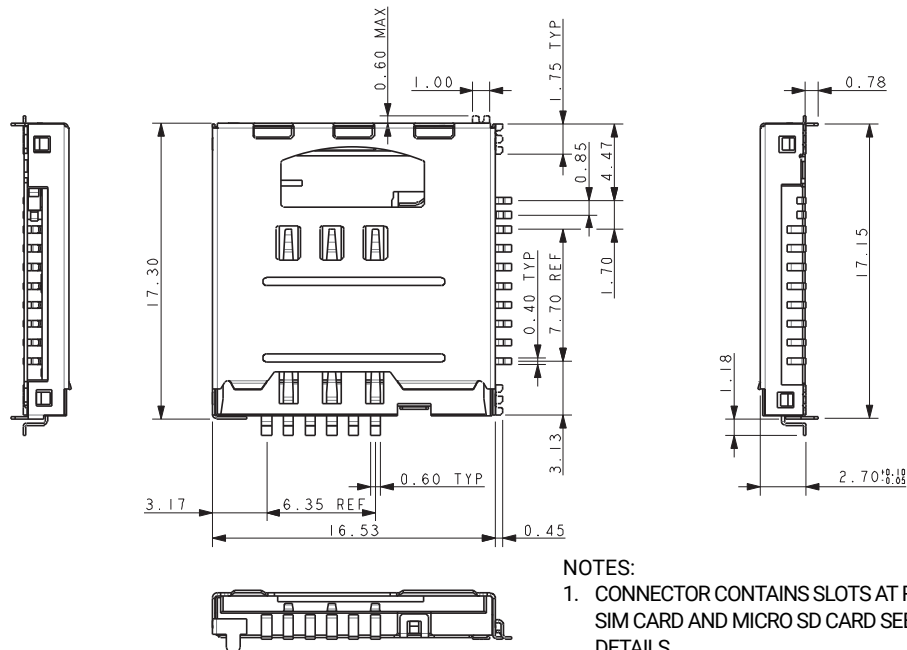
**1**  
Contact Plating  
1 = Gold Plating over Nickel

**150**  
SIM Height  
150 = 1.50mm on SIM Card  
2.70mm on Connector

# SIM CARD CONNECTORS

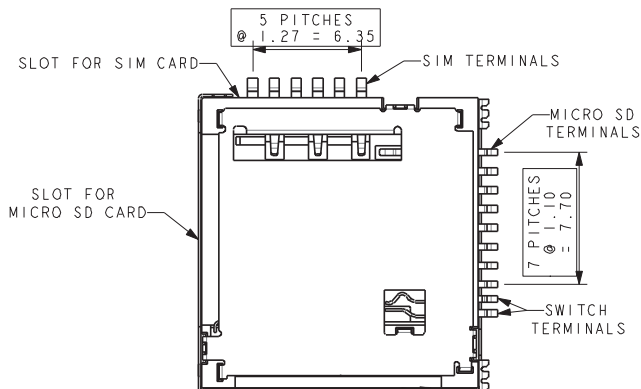
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### CONNECTOR DETAILS

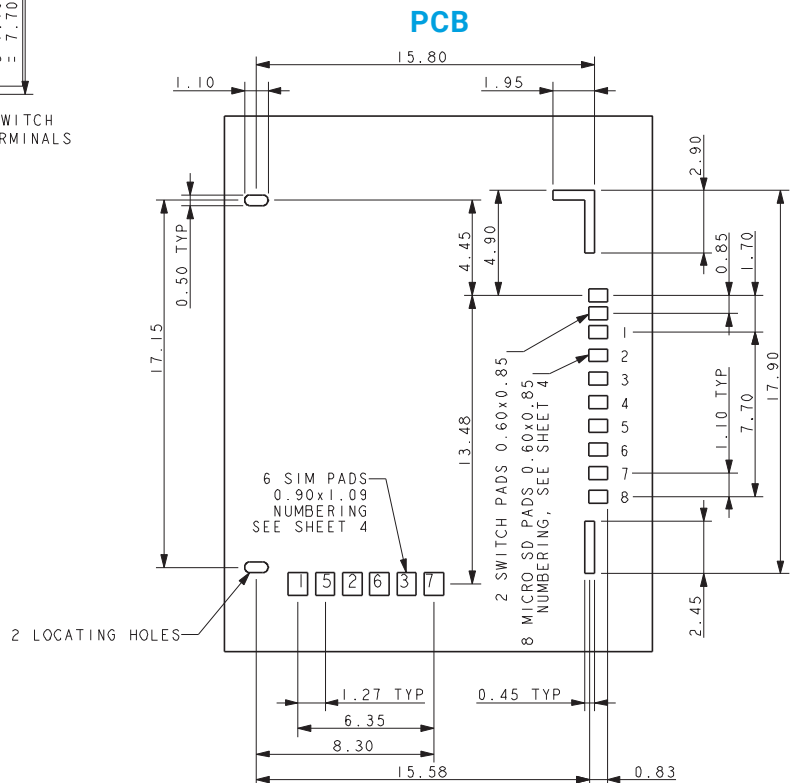
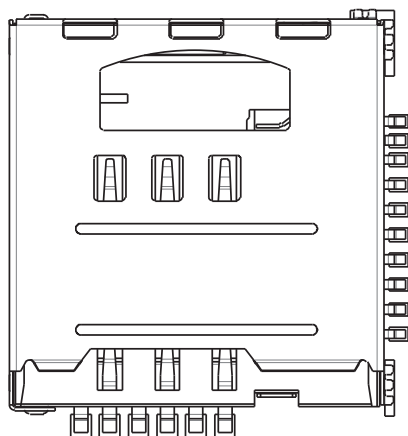


#### NOTES:

1. CONNECTOR CONTAINS SLOTS AT RIGHT ANGLES FOR A SIM CARD AND MICRO SD CARD SEE PAGE 83 FOR FURTHER DETAILS.
2. 6 WAY SIM CONNECTOR.
3. MICRO SD CONNECTOR HAS SWITCH AND LATCH.
4. DIMENSION SHOWN ARE REFERENCE DIMENSIONS.
5. MATERIALS: CONTACTS: GOLD PLATED BERYLLIUM COPPER, INSULATOR: LCP UL94 V-0, COLOR BLACK. SHELL: NICKEL PLATED STAINLESS STEEL. OTHER PARTS: STAINLESS STEEL.
6. FURTHER DETAILS REFER TO ELCO SPEC 201-01-113.
7. DETAILS FOR PIN FUNCTIONS REFER TO PAGE 83.



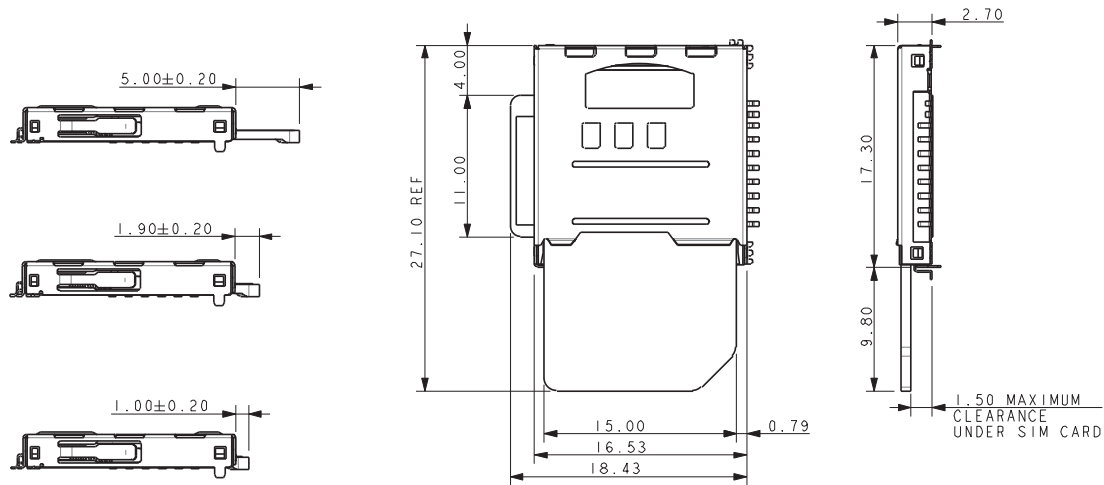
### CONNECTOR ON PCB



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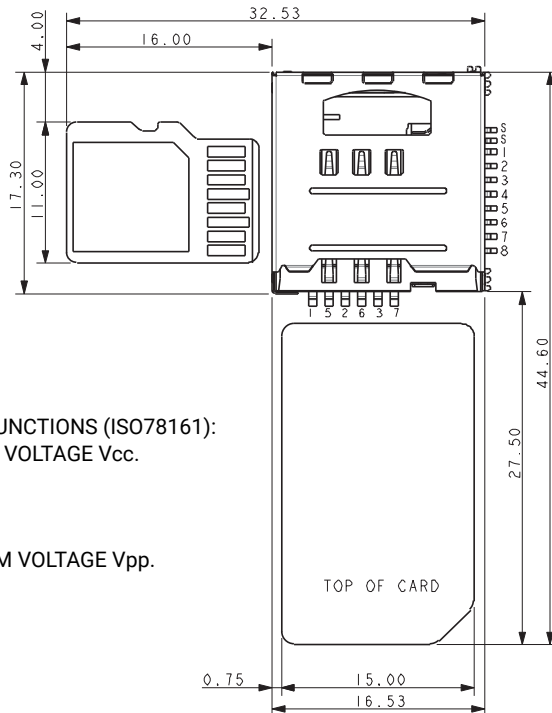
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### PCB SPACE USED BY CONNECTOR CARDS FULLY INSERTED



### CARDS EXTRACTED

SHOWN FOR REFERENCE ONLY



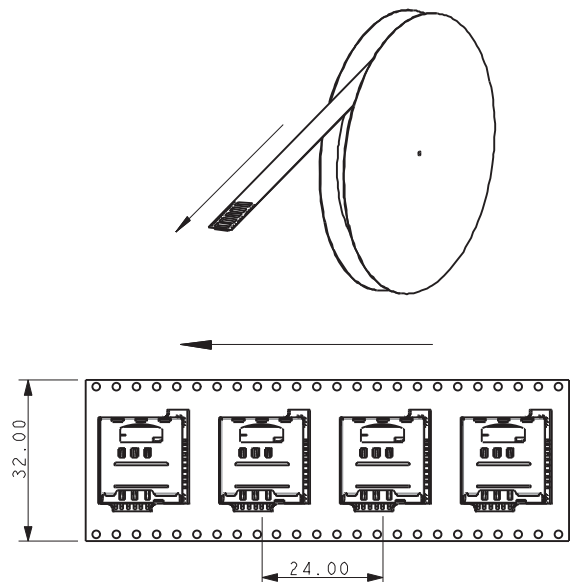
#### CONTACT FUNCTIONS (ISO78161):

1. SSUPPLY VOLTAGE Vcc.
2. RESET
3. CLOCK
4. GROUND
5. PROGRAM VOLTAGE Vpp.
6. I/O

#### MICRO SD FUNCTIONS:

- S. SWITCH
- S. SWITCH
1. DAT2
2. CD/DAT3
3. CMD
4. Vdd
5. CLOCK
6. Vss
7. DAT0
8. DAT1

### PACKING DETAILS



#### NOTES:

1. PACKING IN TAPE AND REEL, 700 PER REEL.
2. REEL SIZE 330MM DIAMETER.

# Mouser Electronics

Authorized Distributor

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