

# 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-O
- 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-O
- 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

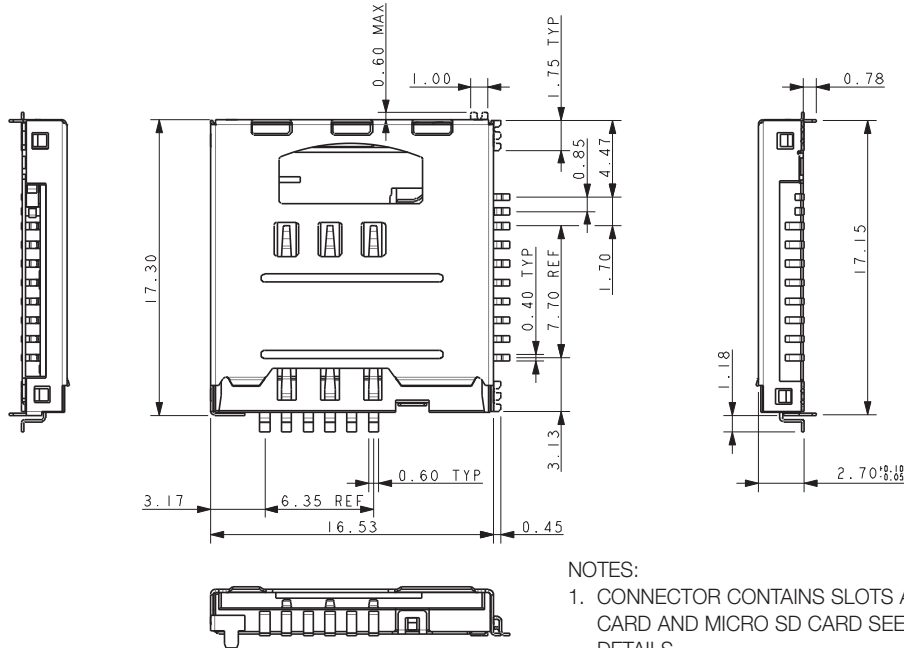
150

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

# SIM/Micro SD Combination

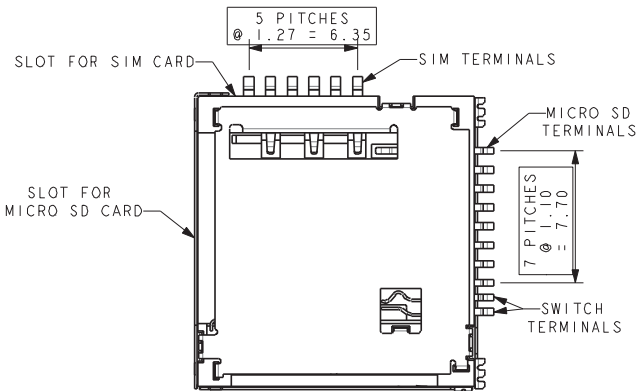
9162-500

## CONNECTOR DETAILS

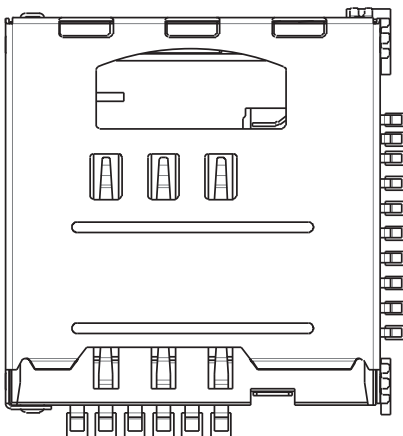


### NOTES:

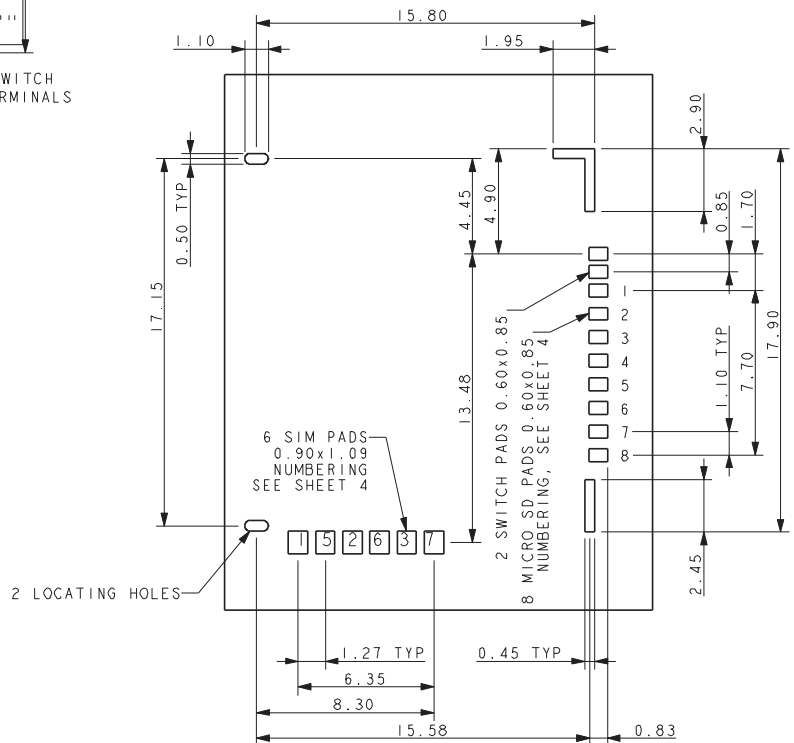
1. CONNECTOR CONTAINS SLOTS AT RIGHT ANGLES FOR A SIM CARD AND MICRO SD CARD SEE PAGE 3 FOR FURTHER DETAILS.
2. 6 WAY SIM CONNECTOR.
3. MICRO SD CONNECTOR HAS SWITCH AND LATCH.
4. DIMENSION SHOWN ARE REFERENCE DIMENSIONS.
5. MATERIALS: CONTACTS: GOLD PLATED BERYLLIUM COPPER, INSULATOR: LCP, UL94 V-O,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



## CONNECTOR ON PCB



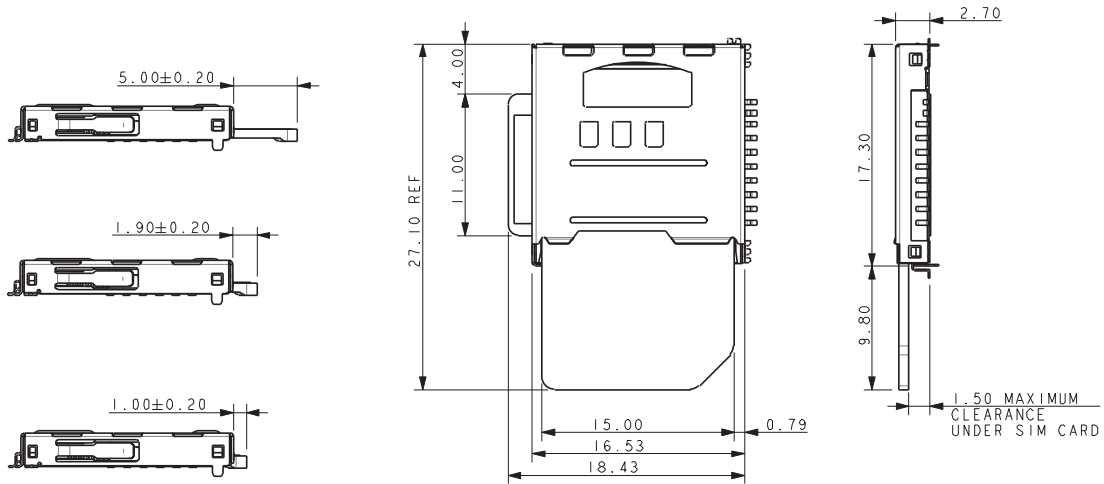
## PCB



# SIM/Micro SD Combination

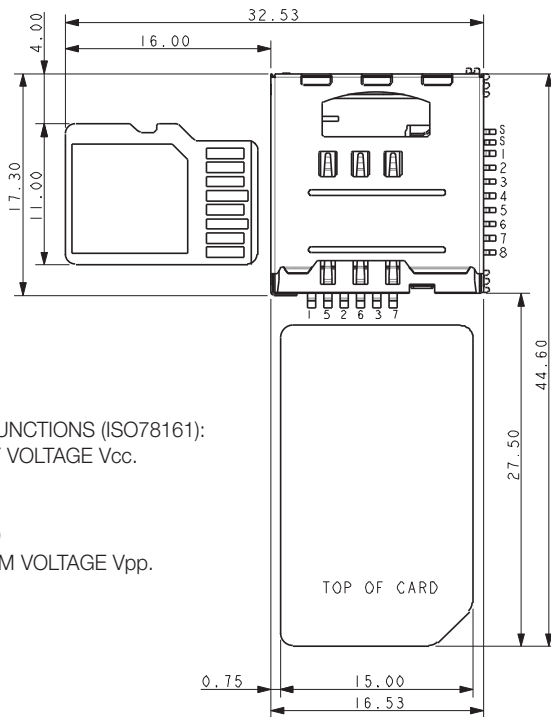
9162-500

## PCB SPACE USED BY CONNECTOR CARDS FULLY INSERTED



## CARDS EXTRACTED

SHOWN FOR REFERENCE ONLY



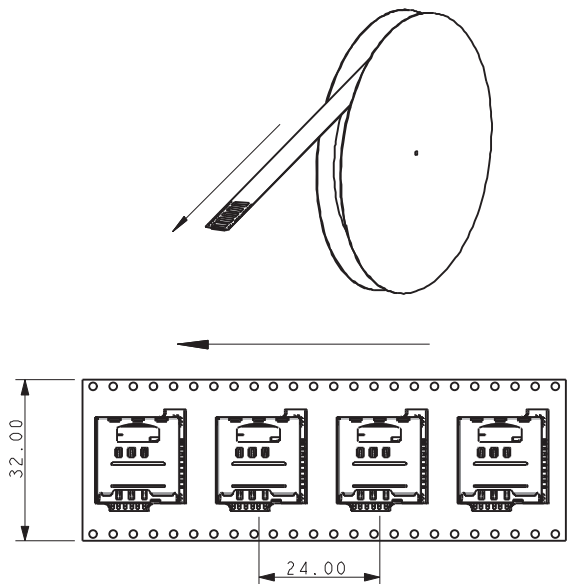
CONTACT FUNCTIONS (ISO78161):

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.