**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**

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Series</th>
<th>Number of Contacts</th>
<th>SIM Type</th>
<th>Contact Plating</th>
<th>SIM Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>9162</td>
<td>006</td>
<td>50</td>
<td>1</td>
<td>150</td>
</tr>
</tbody>
</table>

50 = SMT with SIM and Micro SD Slots at 90°
1 = Gold Plating over Nickel
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 AE 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 FOR PIN FUNCTIONS REFER TO PAGE 3.

CONNECTOR ON PCB

PCB

2 LOCATING HOLES

6 SIM PADS 0.90x1.27
NUMBERING SEE SHEET 4

6 SIM PADS 0.90x1.27
NUMBERING SEE SHEET 4

2 MICRO SD PADS 0.45x1.48
NUMBERING SEE SHEET 4

2 MICRO SD PADS 0.45x1.48
NUMBERING SEE SHEET 4

1.00

4.72 MAX

2.42

2.42

1.70

0.45

0.60 TYP

16.57

0.60 TYP

8.17

6.35 REC

0.78

17.15

1.48

7.00 MAX

15.80

1.95

2.20

1.00

0.45 TYP

5 PITCHES 0.127 ± 0.35
SIM TERMINALS

SLOT FOR SIM CARD

SLOT FOR MICRO SD CARD

SLOT FOR SIM CARD

MICRO SD TERMINALS

SWITCH TERMINALS
SIM/Micro SD Combination

9162-500

PCB SPACE USED BY CONNECTOR
CARDS FULLY INSERTED

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

CONTACT FUNCTIONS (ISO78161):
1. SUPPLY 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

CARDS EXTRACTED
SHOWN FOR REFERENCE ONLY

PACKING DETAILS