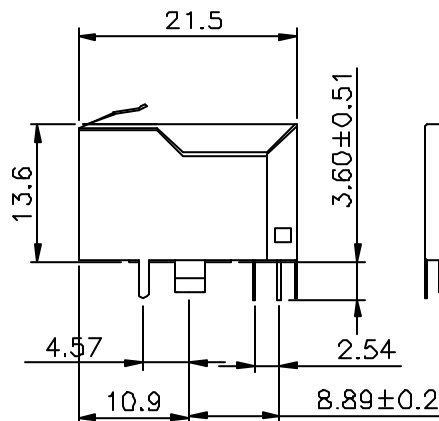
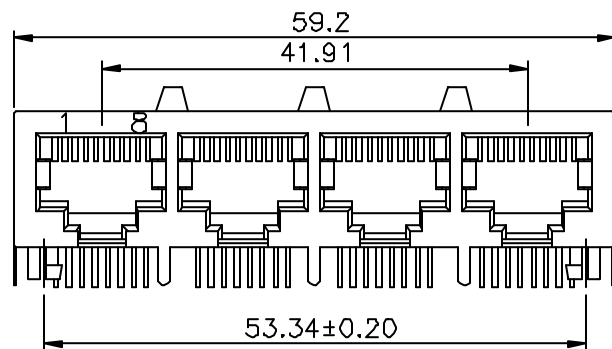
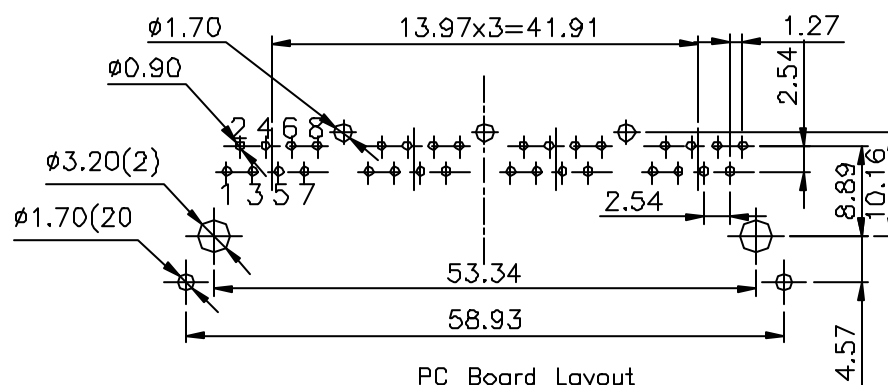


**CAT 5e DATA TABLE:**

| Frequency<br>MHz | Near-End Cross Talk<br>dB, Min. | Return Loss<br>dB, Min. | Attenuation<br>dB, Max. |
|------------------|---------------------------------|-------------------------|-------------------------|
| 1.0              | 65                              | 30                      | 0.1                     |
| 4.0              | 65                              | 30                      | 0.1                     |
| 8.0              | 64.9                            | 30                      | 0.1                     |
| 10.0             | 63                              | 30                      | 0.1                     |
| 16.0             | 58.9                            | 30                      | 0.2                     |
| 20.0             | 57                              | 30                      | 0.2                     |
| 25.0             | 55                              | 30                      | 0.2                     |
| 31.25            | 53.1                            | 30                      | 0.2                     |
| 62.5             | 47.1                            | 24.1                    | 0.3                     |
| 100.0            | 43                              | 20                      | 0.4                     |



PC Board Layout  
Component Side Shown

**ELECTRICAL:**

VOLTAGE RATING: 125 VAC RMS.

CURRENT RATING: 1.5A

CONTACT RESISTANCE: < 50 mW Max.

INSULATION RESISTANCE: > 1000 MW Min. at 500 VDC

DIELECTRIC WITHSTANDING VOLTAGE:

1000V (rms) AC 60Hz for 1 Minute

OPERATING TEMPERATURE: 0° C to +70° C

**MATERIAL:**

HOUSING: Thermoplastic (UL94V-0)

SHIELD: 0.25mm Thickness Copper Alloy

CONTACT: 0.35mm Thickness Phosphor Bronze

PLATING: Gold Plating over Nickel in Contact

Tin Plating over Nickel in Solder Area

SHIELD: Brass with Nickel Plating

**HOW TO ORDER:**

|                                                       |          |          |          |                                                                                                                                                                          |          |          |                                     |          |          |                                               |          |          |                                                                                             |          |          |          |          |                                 |
|-------------------------------------------------------|----------|----------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-------------------------------------|----------|----------|-----------------------------------------------|----------|----------|---------------------------------------------------------------------------------------------|----------|----------|----------|----------|---------------------------------|
| <u>A</u>                                              | <u>3</u> | <u>0</u> | <u>1</u> | <u>2</u>                                                                                                                                                                 | <u>-</u> | <u>0</u> | <u>4</u>                            | <u>5</u> | <u>-</u> | <u>S</u>                                      | <u>T</u> | <u>1</u> | <u>-</u>                                                                                    | <u>X</u> | <u>X</u> | <u>3</u> | <u>-</u> | <u>Z</u>                        |
| <u>NUMBER OF PORTS</u><br>04                          |          |          |          | <u>SHIELD:</u><br>5 - CAT 5e<br>SHIELDED                                                                                                                                 |          |          | <u>TABS:</u><br>ST - SPRING<br>TABS |          |          | <u>FLANGE:</u><br>0 - NO FLANGE<br>1 - FLANGE |          |          | <u>DIMENSION "D"</u><br><u>PCB GROUND TAB LOCATION:</u><br>3 - FRONT, 4.57mm w/ 3 REAR TABS |          |          |          |          | <u>RoHS</u><br><u>COMPLIANT</u> |
| <u>SPRING TAB LOCATION:</u><br>1 - SPRING TABS ON TOP |          |          |          | <u>SELECTIVE PLATING:</u><br>6 - Au CONTACT AREA/TIN TAIL<br>7 - 15u" Au CONTACT AREA/TIN TAIL<br>8 - 30u" Au CONTACT AREA/TIN TAIL<br>9 - 50u" Au CONTACT AREA/TIN TAIL |          |          |                                     |          |          |                                               |          |          |                                                                                             |          |          |          |          |                                 |

| Rev                                                             | Drawn                       | Checked | Approved | Date | <b>SMP TECHNOLOGY, INC.</b>                                   |  |  |
|-----------------------------------------------------------------|-----------------------------|---------|----------|------|---------------------------------------------------------------|--|--|
| 0                                                               | Issued                      | D.H.    | S.M.     | S.M. |                                                               |  |  |
| A                                                               | Revised for RoHS Compliance | B.S.    | S.M.     | S.M. | RJ45, 4 Port, Side Entry, CAT 5e Shielded, with Top EMI Tabs, |  |  |
| B                                                               | Revised for CAT 5e Rating   | B.S.    | S.M.     | S.M. |                                                               |  |  |
|                                                                 |                             |         |          |      | Front 4.57mm                                                  |  |  |
| TOL. DEC. .X +/- 0.2 .XX +/- 0.15 .XXX +/- 0.075 ANGLE +/- 0.5° |                             |         |          |      | P/N: A3012 - 045 - ST1 - XX3 - Z                              |  |  |