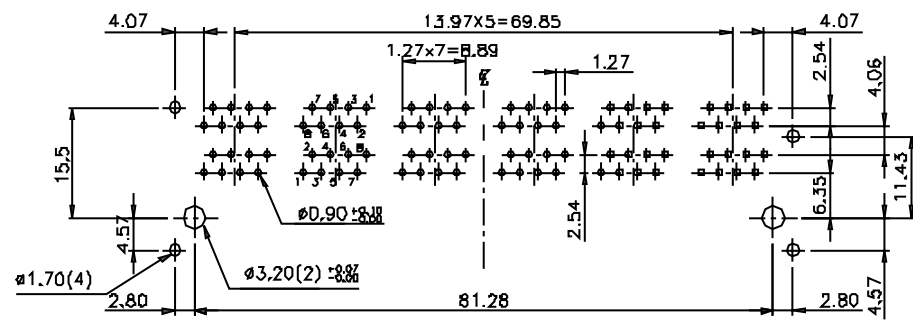
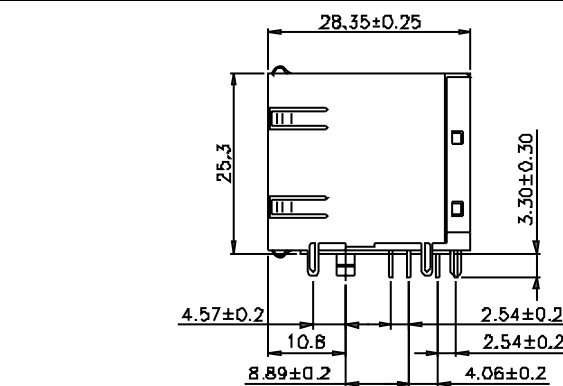
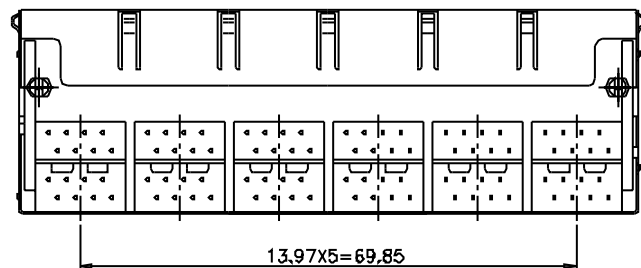
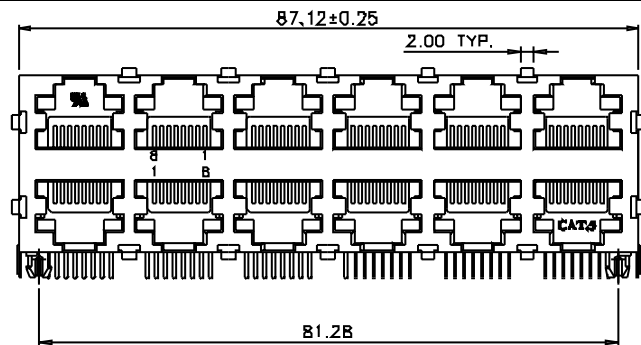




PC Board Layout t=1.60mm  
Component Side Shown

| Frequency | Near-End Gross Talk dB, MIN. | Return Loss dB, MIN. | Attenuation dB, MAX. |
|-----------|------------------------------|----------------------|----------------------|
| 1.0 MHZ   | 65                           | 23                   | 0.1                  |
| 4.0 MHZ   | 65                           | 23                   | 0.1                  |
| 9.0 MHZ   | 62                           | 23                   | 0.1                  |
| 10.0 MHZ  | 60                           | 23                   | 0.1                  |
| 16.8 MHZ  | 56                           | 23                   | 0.2                  |
| 20.0 MHZ  | 54                           | 23                   | 0.2                  |
| 25.8 MHZ  | 52                           | 14                   | 0.2                  |
| 31.25 MHZ | 50                           | 14                   | 0.2                  |
| 62.5 MHZ  | 44                           | 14                   | 0.3                  |
| 100.0 MHZ | 40                           | 14                   | 0.4                  |

#### HOW TO ORDER:

A 3 0 2 0 - 1 2 5 - S T 3 - X 0 D - Z

#### ELECTRICAL:

VOLTAGE RATING: 125 VAC RMS  
CURRENT RATING: 1.5A Min.  
CONTACT RESISTANCE: 50 milli-Ohm Max.  
INSULATION RESISTANCE: 1,000 mega-Ohm Min.  
DIELECTRIC STRENGTH: 1000V VAC RMS 60HZ, 1 Min.  
OPERATING TEMPERATURE: 0° C to +70° C

#### MATERIAL:

INSULATOR: NYLON 46 (UL94V-0)  
CONTACT: 0.35mm Thickness Phosphor Bronze  
CONTACT PLATING: Gold Plating Over Nickel

#### MECHANICAL:

DURABILITY: 500 Mating Cycles Min.

#### SELECTIVE PLATING:

6 - Au CONTACT AREA/TIN TAIL  
7 - 15u" Au CONTACT AREA/TIN TAIL  
8 - 30u" Au CONTACT AREA/TIN TAIL  
9 - 50u" Au CONTACT AREA/TIN TAIL

**RoHS  
COMPLIANT**

| Rev                           | Drawn | Checked | Approved | Date     |
|-------------------------------|-------|---------|----------|----------|
| 0 Issued                      | D.H.  | S.M.    | S.M.     | 06/01/04 |
| A Revised for RoHS Compliance | WHS   | S.M.    | S.M.     | 09/22/06 |

SCALE: N/A

TOL. DEC. .X +/- 0.20 .XX +/- 0.15 .XXX +/- 0.075 ANGLE +/- UNIT: mm

**SMP TECHNOLOGY, INC.**

RJ45 Ganged Jack, 2x6, with EMI Panel Grounds on  
Top, Sides, & Bottom, CAT 5

P/N: A3020-125-ST3-X0D-Z

Pg: 1