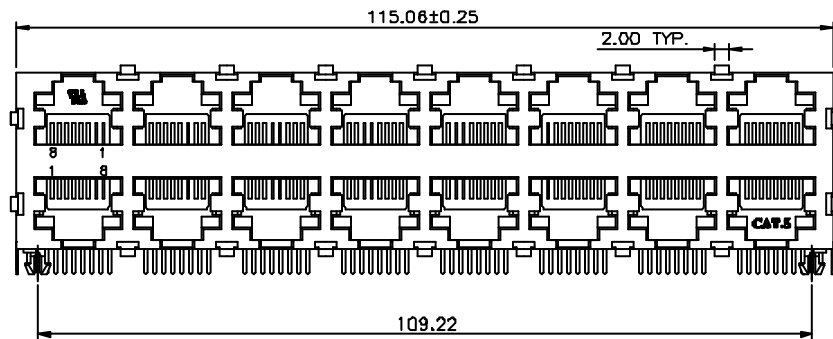


#### CATEGORY 5 CHARACTERISTICS

| Frequency | Near-End Gross Talk<br>dB, MIN. | Return Loss<br>dB, MIN. | Attenuation<br>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                     |

#### 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  
 OPERATING TEMPERATURE: 0° C to +70° C  
 STORAGE TEMPERATURE: -40°C - +85°C  
 SOLDERING TEMPERATURE: 250-265°C (5-10 Seconds)

#### MATERIAL:

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

#### MECHANICAL:

DURABILITY: 750 Cycles Min.  
 PCB RETENTION: 10 Lbs Min. (After Soldering)

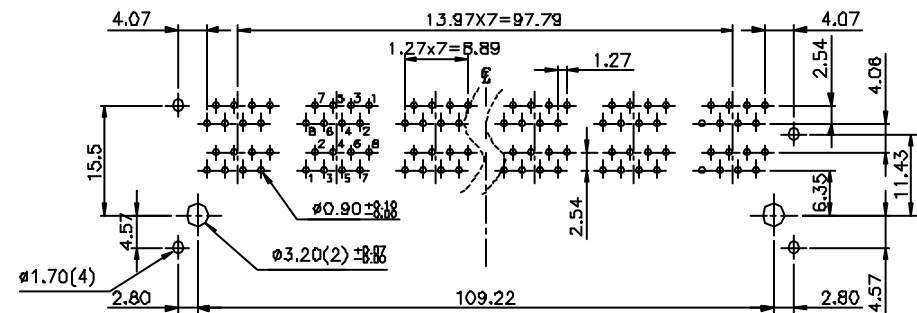
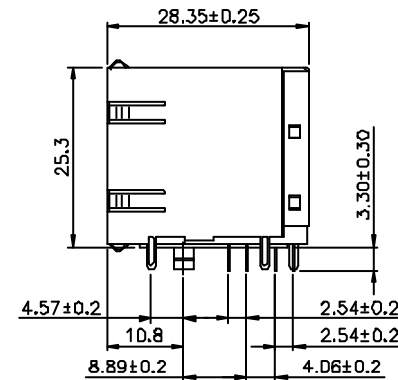
#### HOW TO ORDER:

A 3 0 2 0 - 1 6 5 - S T 3 - X 0 D - Z

#### SELECTIVE PLATING:

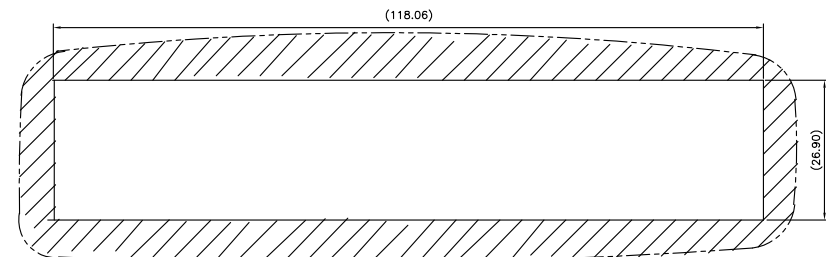
6 - Au CONTACT AREA/TIN TAIL  
 7 - 15u" Au CONTACT AREA/TIN TAIL  
 8 - 30u" Au CONTACT AREA/TIN TAIL  
 9 - 50u" Au CONTACT AREA/TIN TAIL

RoHS  
COMPLIANT



PC Board Thickness=1.60mm

PC Board Layout Component Side Shown



2X8 RECOMMENDED PANEL CUTOUT

| Rev | Drawn | Checked | Approved | Date     |
|-----|-------|---------|----------|----------|
| 0   | D.H.  | S.M.    | S.M.     | 06/01/04 |
| A   | 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, 2x8, with EMI Panel Grounds on Top, Sides, & Bottom, CAT 5

P/N: A3020-165-ST3-X0D-Z

Pg: 1