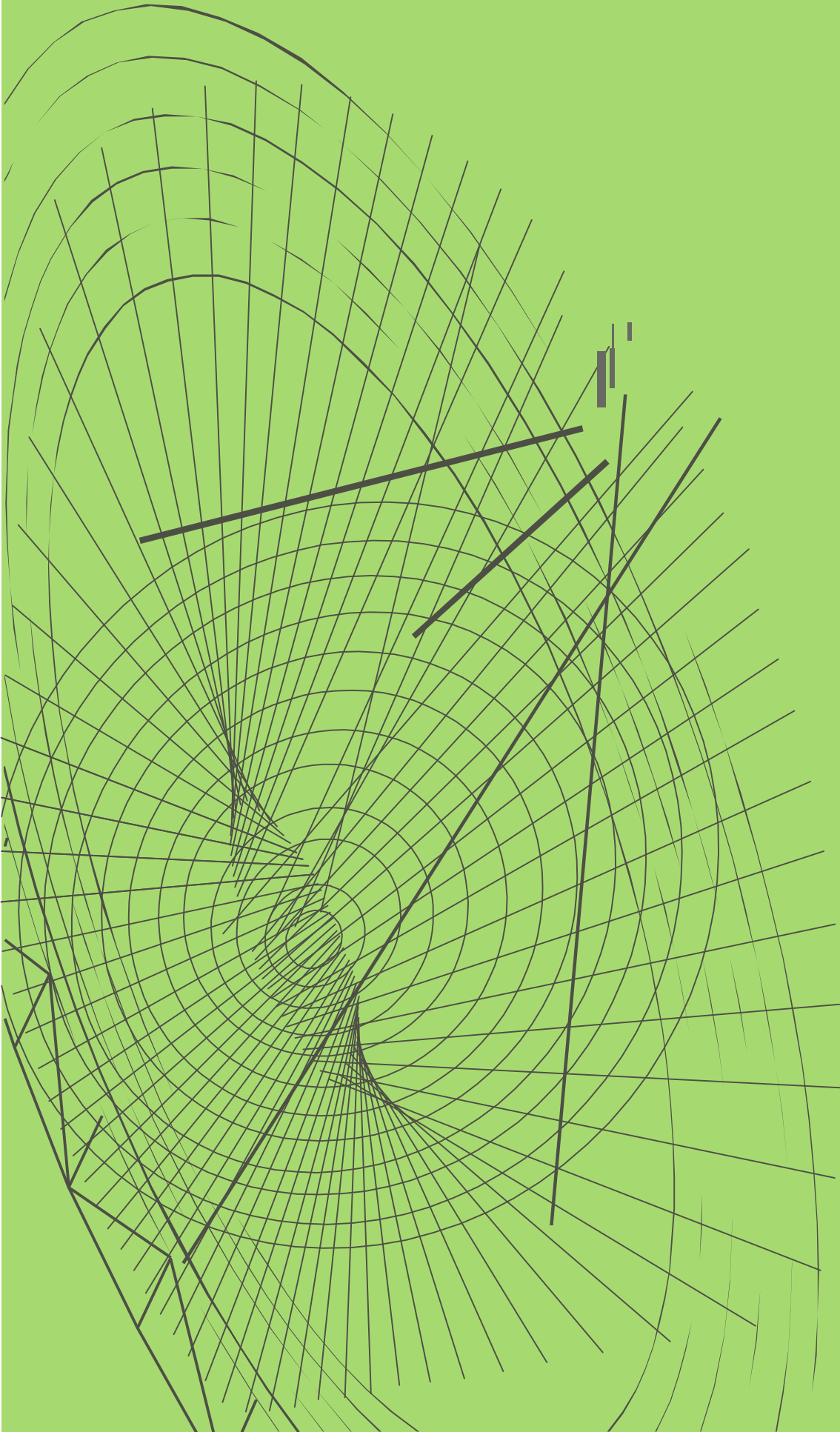


# EKO TECH CO., LTD.

**RJ45 with Magnetic component**



## T02 Series Single Port RJ45 10/100/1000 Base-T

Single Port RJ45, W/LED

With 10/100/1000 Mbps

LAN Magnetics 8P,10C

Single, Thru Hole

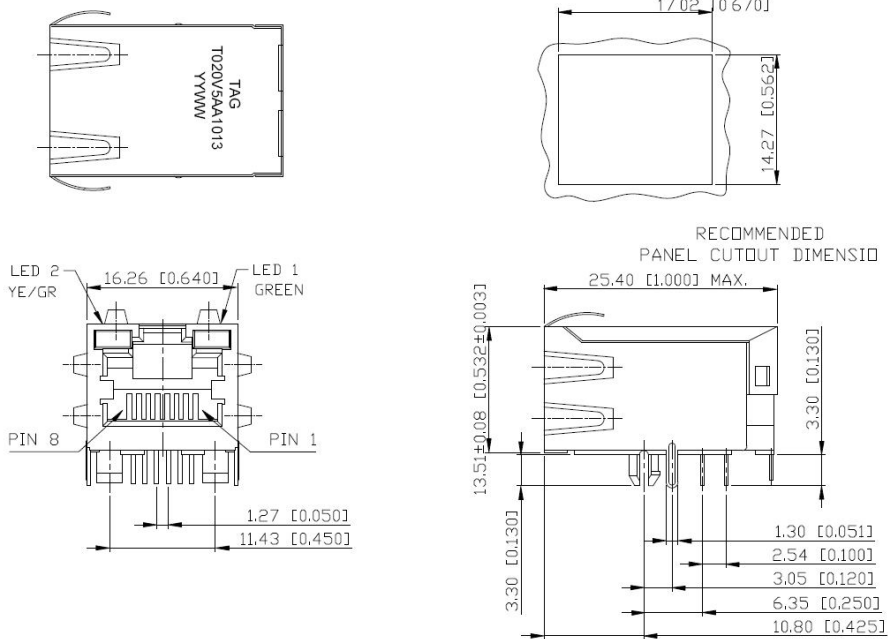


### ELECTRICAL SPECIFICATIONS @ 25°C - Operating Temperature 0°C to +70°C

| Part Number | Insertion Loss (dB max) |         | Return Loss (dB min) |          | Crosstalk (dB min) | Common Mode Rejection |
|-------------|-------------------------|---------|----------------------|----------|--------------------|-----------------------|
|             | 1-100Mhz                | 1-30MHz | 30-60MHz             | 60-80MHz | 1-100MHz           | 1-100MHz              |
| T02         | -1.0                    | -20     | -15                  | -10      | -30                | -30                   |

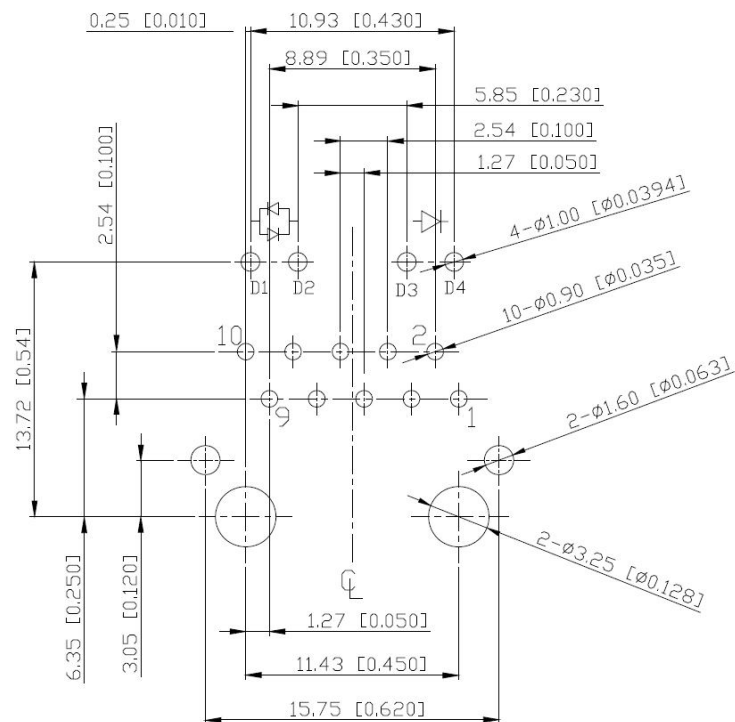
### MECHANICAL SPECIFICATIONS

#### T02 SERIES



NOTE. DIMENSIONS : MM(INCHES)/ UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE  $\pm 0.25(0.010)$ .

## T02 SERIES

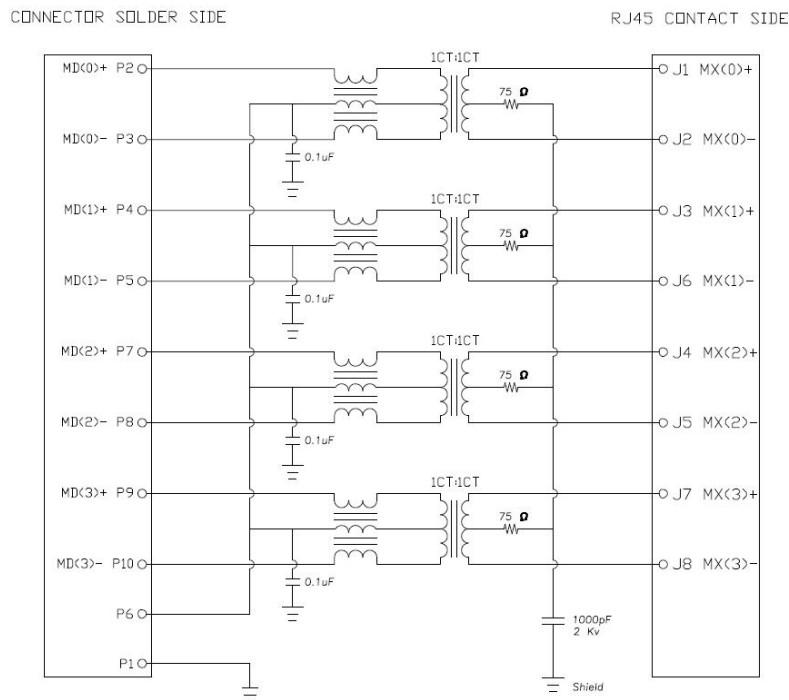


DIMENSIONAL TOLERANCE: .XX ±0.08[0.003]

## T02 Series Single Port RJ45 10/100/1000 Base-T

### SCHEMATICS

#### T02 SERIES



NOTE: Customer demand can change the design of the schematics.

## T20 Series Single Port RJ45 10/100/1000 Base-T

Single Port RJ45, W/LED

With 10/100/1000 Mbps

LAN Magnetics 8P,10C

Single, Thru Hole

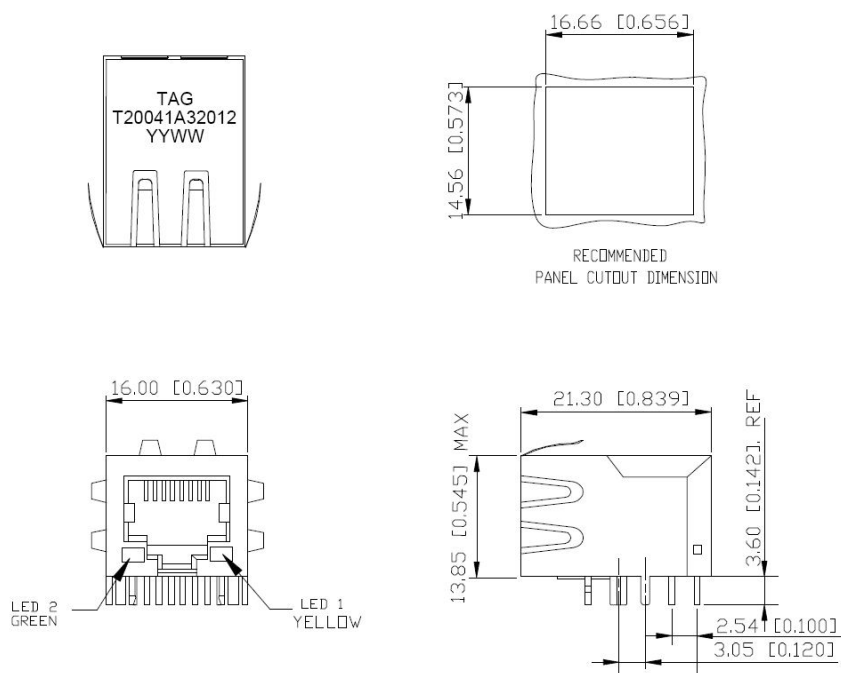


**ELECTRICAL SPECIFICATIONS @ 25°C - Operating Temperature 0°C to +70°C**

| Part Number | Insertion Loss (dB max) |         | Return Loss (dB min) |          | Crosstalk (dB min) | Common Mode Rejection |
|-------------|-------------------------|---------|----------------------|----------|--------------------|-----------------------|
|             | 1-100MHz                | 1-30MHz | 30-60MHz             | 60-80MHz | 1-100MHz           | 1-100MHz              |
| T20         | -1.0                    | -20     | -15                  | -10      | -30                | -30                   |

### MECHANICAL SPECIFICATIONS

#### T20 SERIES

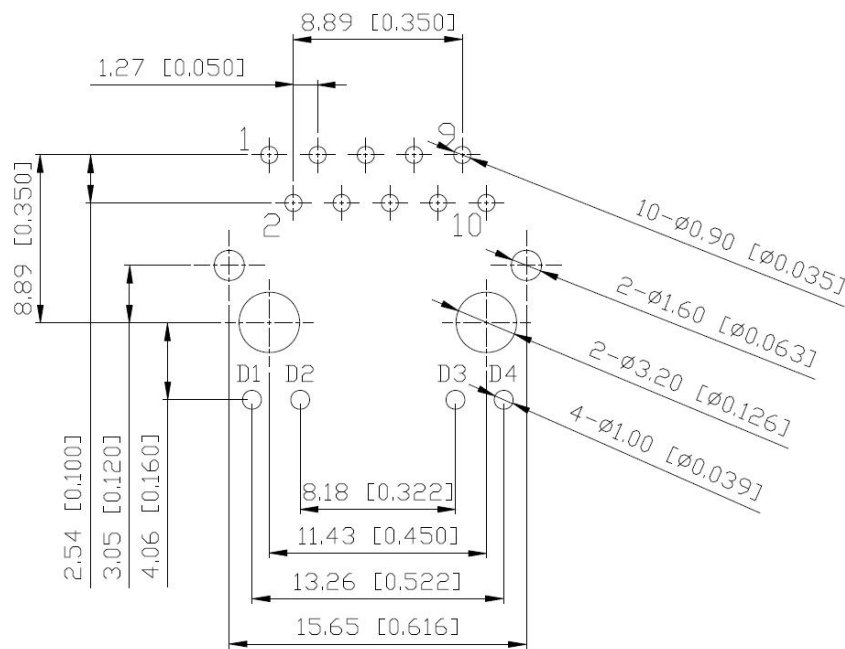


NOTE: DIMENSIONS : MM(INCHES)/ UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE  $\pm 0.25(0.010)$ .

## T20 Series Single Port RJ45 10/100/1000 Base-T

### PCB LAYOUT

#### T20 SERIES



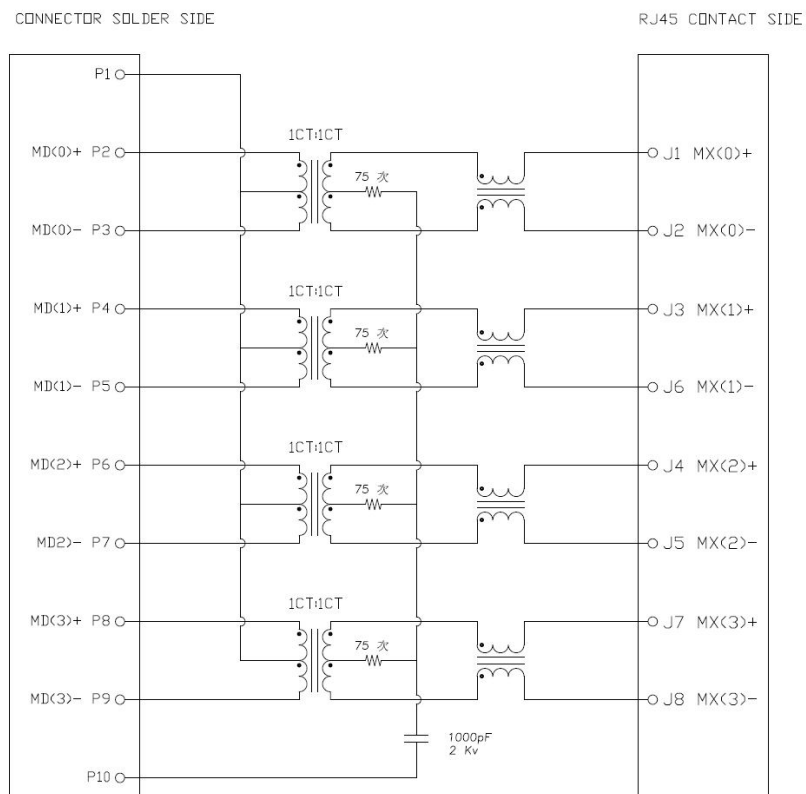
### SUGGESTED PCB LAYOUT (TOP VIEW)

DIMENSIONAL TOLERANCE: .XX ±0.08[0.003]

## T20 Series Single Port RJ45 10/100/1000 Base-T

### SCHEMATICS

#### T20 SERIES



NOTE: Customer demand can change the design of the schematics.

## T09 Series Vertical Type Single Port RJ45 10/100 Base-T

Stacked Port RJ45, W/LED

With 10/100/1000 Mbps

LAN Magnetics 8P,10C

Shielded, Thru Hole

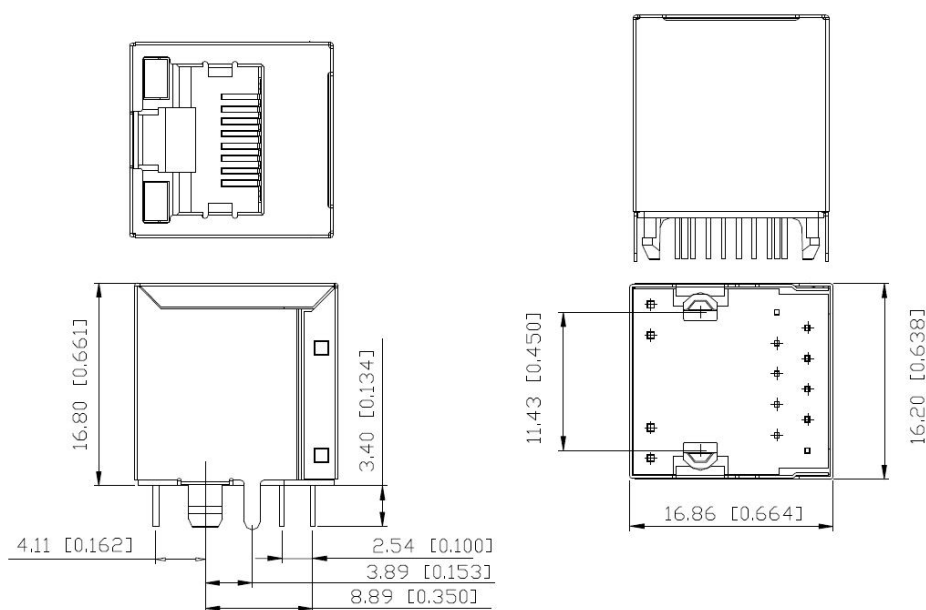


### ELECTRICAL SPECIFICATIONS @ 25°C - Operating Temperature 0°C to +70°C

| Part Number | Insertion Loss (dB max) |         | Return Loss (dB min) |          | Crosstalk (dB min) | Common Mode Rejection |
|-------------|-------------------------|---------|----------------------|----------|--------------------|-----------------------|
|             | 1-100Mhz                | 1-30MHz | 30-60MHz             | 60-80MHz | 1-100MHz           | 1-100MHz              |
| T09         | -1.0                    | -20     | -15                  | -10      | -30                | -30                   |

### MECHANICAL SPECIFICATIONS

#### T09 SERIES



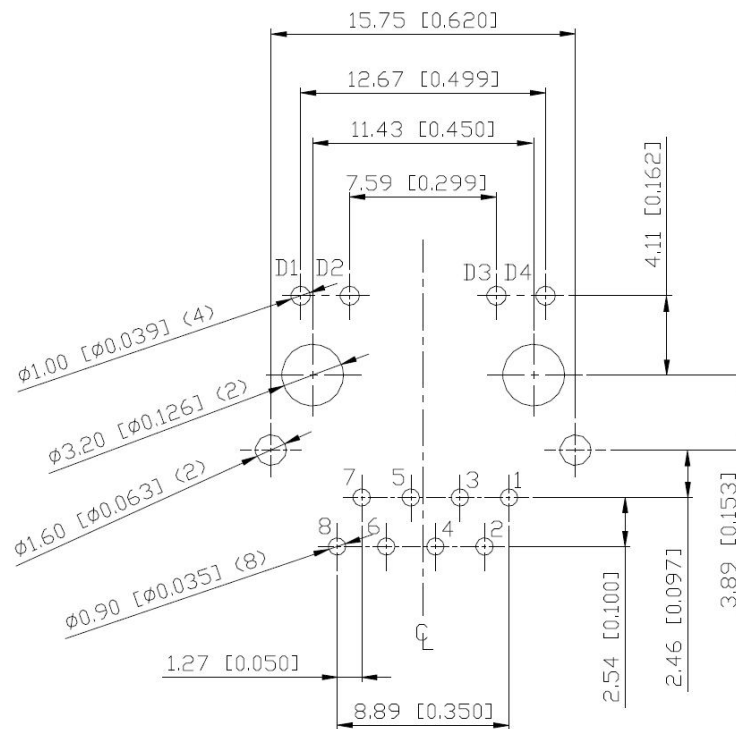
NOTE. DIMENSIONS : MM(INCHES)/ UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE  $\pm 0.25(0.010)$ .



## T09 Series Vertical Type Single Port RJ45 10/100 Base-T

### PCB LAYOUT

#### T09 SERIES



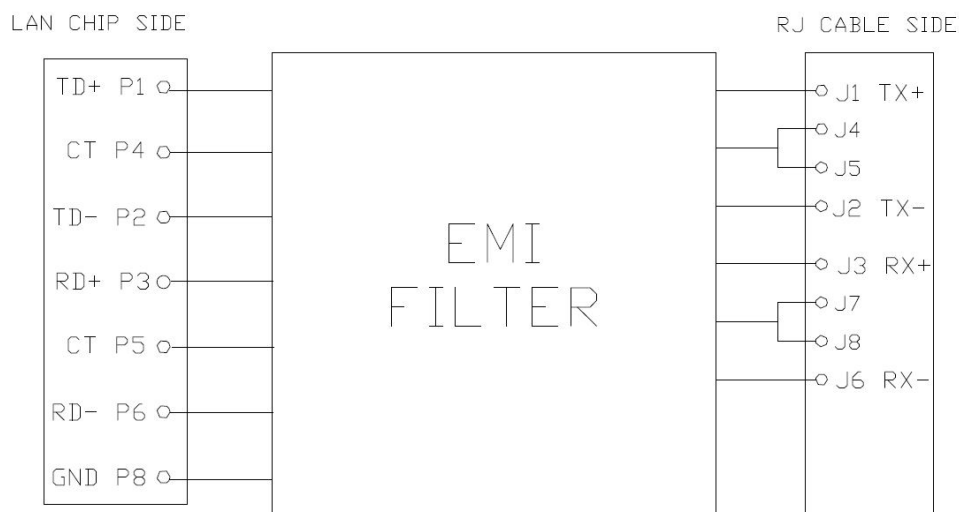
### SUGGESTED PCB LAYOUT (TOP VIEW)

DIMENSIONAL TOLERANCE: .XX ±0.08[0.003]

## T09 Series Vertical Type Single Port RJ45 10/100 Base-T

### SCHEMATICS

#### T09 SERIES



NOTE: Customer demand can change the design of the schematics.