

# 1\*1Port RJ45 Connector

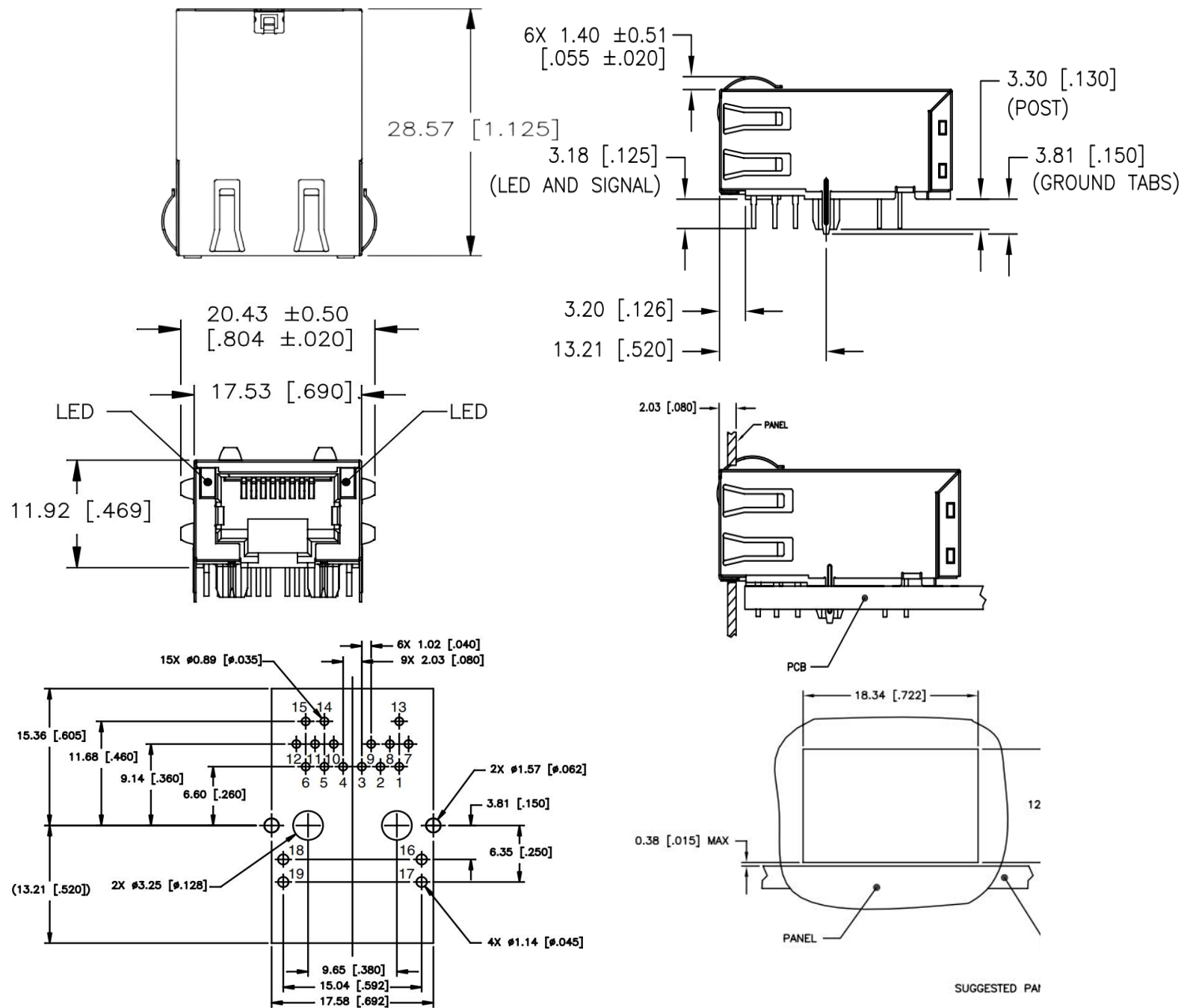
HQST-N1159A01B-GY/G0B



## Features:

- ROHS Compliant (pb free)
- Meets or exceeds IEEE802.3 standards including 180uH Min OCL with 8mADC
- High performance for EMI suppression , Crosstalk, Return loss
- Minimum 2250VDC isolation per IEEE802.3 requirement
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to be placed on PCB, higher reliability and yields
- Operating temperature: 0°C~+70°C
- Storage temperature: -40°C~+85°C

## Mechanical Dimensions:



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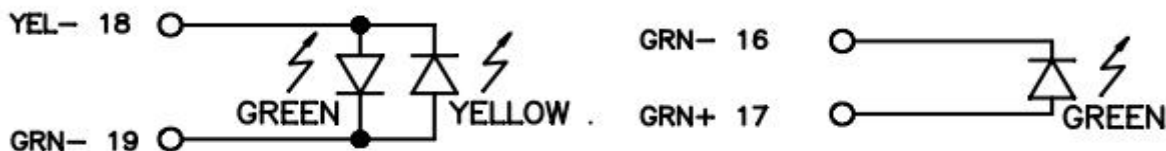
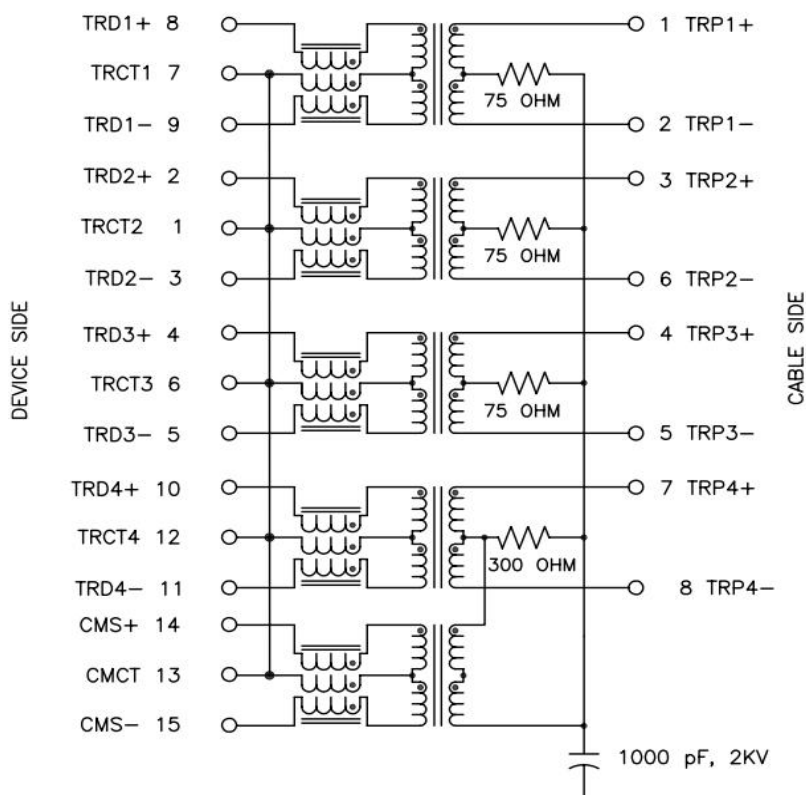
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| Electrical Specification@25° C Operating Temperature 0 to +70° C |                                  |                                    |                   |                |                       |           |            |
|------------------------------------------------------------------|----------------------------------|------------------------------------|-------------------|----------------|-----------------------|-----------|------------|
| Part NO                                                          | OCL primary@100KHz<br>0.1Vms 8mA | Leakage<br>primary@10KHz<br>0.1Vms | LED Specification |                |                       |           |            |
|                                                                  |                                  |                                    | Standard<br>LED   | Wavelen<br>gth | Forward<br>V(Min/Max) | Forward A | Type       |
| N1159A01B<br>-GY/G0B                                             | 180uH Min                        | 0.5uH max                          | Green             | 565nm          | 2.2V                  | 25mA      | squareness |
|                                                                  |                                  |                                    | Yellow            | 585nm          | 2.1V                  | 30mA      | squareness |
|                                                                  |                                  |                                    | AMBER             | 607nm          | 2.2V                  | 30mA      | squareness |

| Electrical Specification@25° C Operating Temperature 0 to +70° C |                        |           |                        |       |       |     |                 |         |                         |                                   |
|------------------------------------------------------------------|------------------------|-----------|------------------------|-------|-------|-----|-----------------|---------|-------------------------|-----------------------------------|
| Part NO                                                          | Insertion loss(dB max) |           | Return Loss(db min)MHz |       |       |     | CMRR(dB min)MHz |         | Crosstalk(dB<br>min)MHz | Isolation<br>Voltage(Vrms<br>min) |
|                                                                  | 100 KHz                | 1-400 MHz | 1-100                  | 200   | 300   | 500 | 1-300           | 300-500 | 1-100                   |                                   |
| N1159A01B<br>-GY/G0B                                             | -3.0                   | -2.0      | -22.0                  | -16.5 | -13.2 | -9  | -30             | -22     | -30                     | 2250                              |

## Schematic



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