

02-590F Series

CHARACTERISTICS

Description: 5G Base-T integrated RJ45 jack, single port, PoE & PoE+, Tab Up

Applications: Telecom equipment, HUB, wireless router station, VoIP device, video camera

Operating Temperature: 0°C to 70°C

Features:

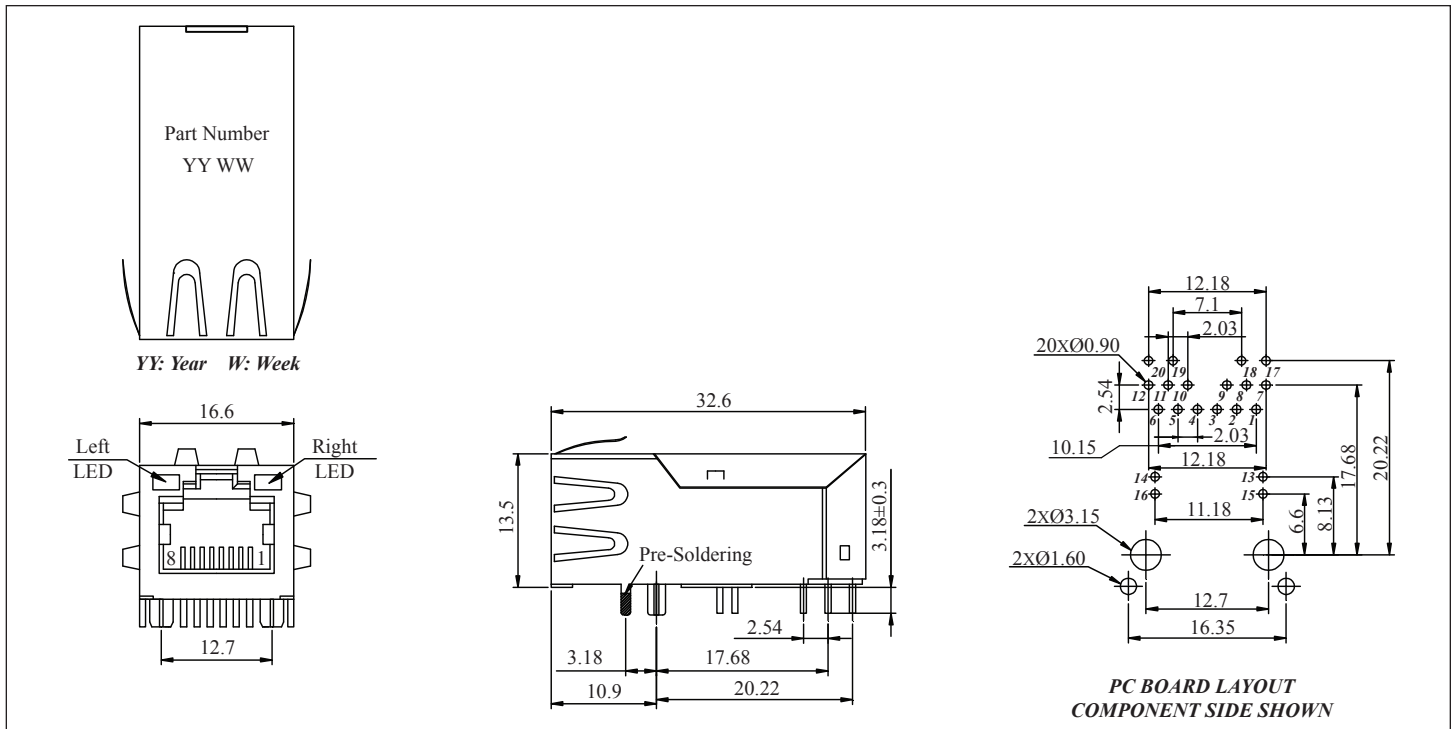
- 1x1 Tab-Up, 1" long RJ45 with internal magnetics
- 16pin signal pin versions available
- Available with LEDs
- Suitable for CAT 5 & 6 fast ethernet cable or better UTP
- Internal magnetics are 100% electrically tested for Hi-Pot and functionality
- Meet IEEE 802.3af standards with 350mA
- Meet IEEE 802.3at standards with 720mA
- Custom solutions available



SPECIFICATIONS

| PART NUMBER | Turns Ratio (±3%) | LEDs | Insertion Loss (dB Max.) | | Return Loss (dB Min.) | | Crosstalk (dB Typ.) | | CDMR (dB Typ.) | CMR (dB Typ.) | POE Current | Hipot (Vrms) @60Hz |
|---------------|-------------------|---------|--------------------------|-------------|-----------------------|-----------------------------------|---------------------|-------------|----------------|---------------|-------------|--------------------|
| | | | 1-125 MHz | 125-250 MHz | 1-40 MHz | 40-250 MHz | 1-125 MHz | 125-250 MHz | | | | |
| 02-590F-GD350 | 1CT:1CT | G & Y/G | -1.0 | -1.5 | -20 | -20+15log ₁₀ (f/40MHz) | -30 | -25 | -45+f/35dB | -30 | 350mA | 1500 |
| 02-590F-GD720 | 1CT:1CT | G & Y/G | -1.0 | -1.5 | -20 | -20+15log ₁₀ (f/40MHz) | -30 | -25 | -45+f/35dB | -30 | 720mA | 1500 |

PHYSICAL DIMENSIONS & PAD LAYOUT



Unit: mm Tolerances: Unless otherwise specified, all tolerances are ±0.25

SCHEMATICS

