

# SPECIFICATION FOR APPROVAL

## 承认书

### CUSTOMER

客户:

CUSTOMER NO.

客户料号.:

SKY PART NO.

我司料号.:

SG48001-1G

DESCRIPTION:

100/1000 BASE-Tx

### ATTACHMENT:

■ SPECIFICATION

■ AMPLE Q'TY OF SAMPLES \_\_\_\_\_PCS

### CUSTOMER APPROVAL

(客户承认章)

### SKY APPROVAL

**SKMAG** 思科飞尔技术(深圳)有限公司

SALES BY  
(业务员):

游晚舟

CHECKED BY  
(工程审核):

APPROVAL BY  
(批准):

陈晓娜

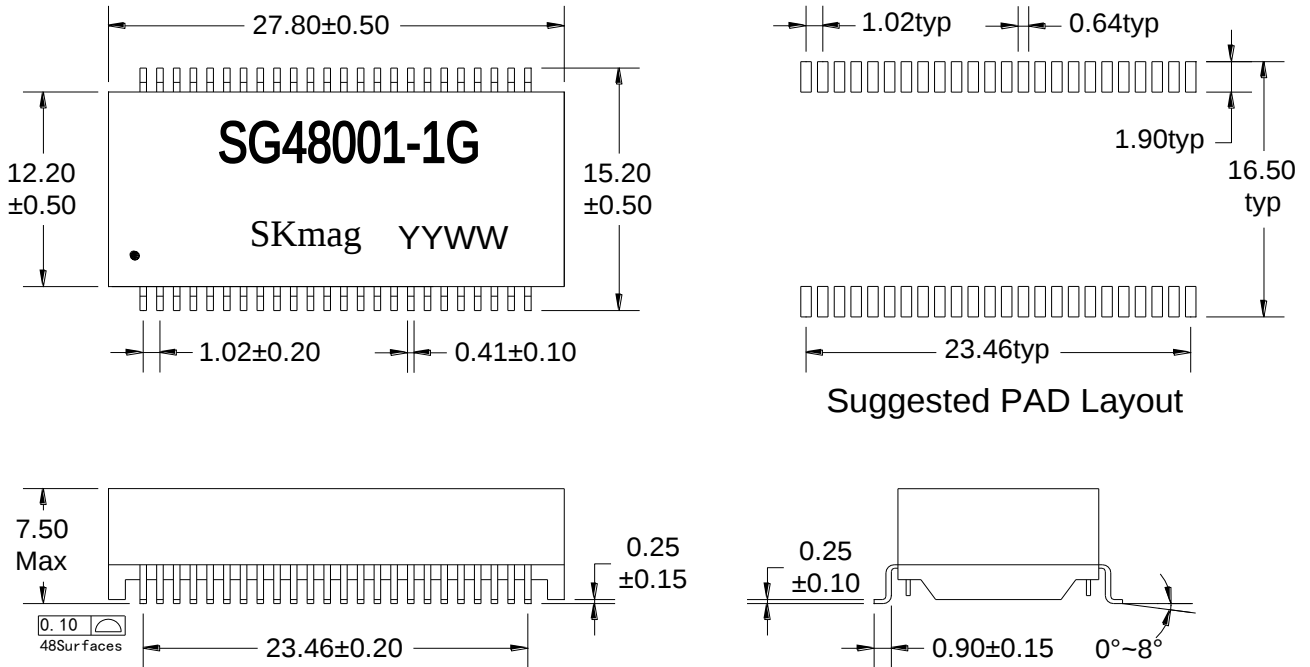
**SKMAG** 思科飞尔技术(深圳)有限公司

Siscofel Technology(Shen Zhen)Co.,Ltd.

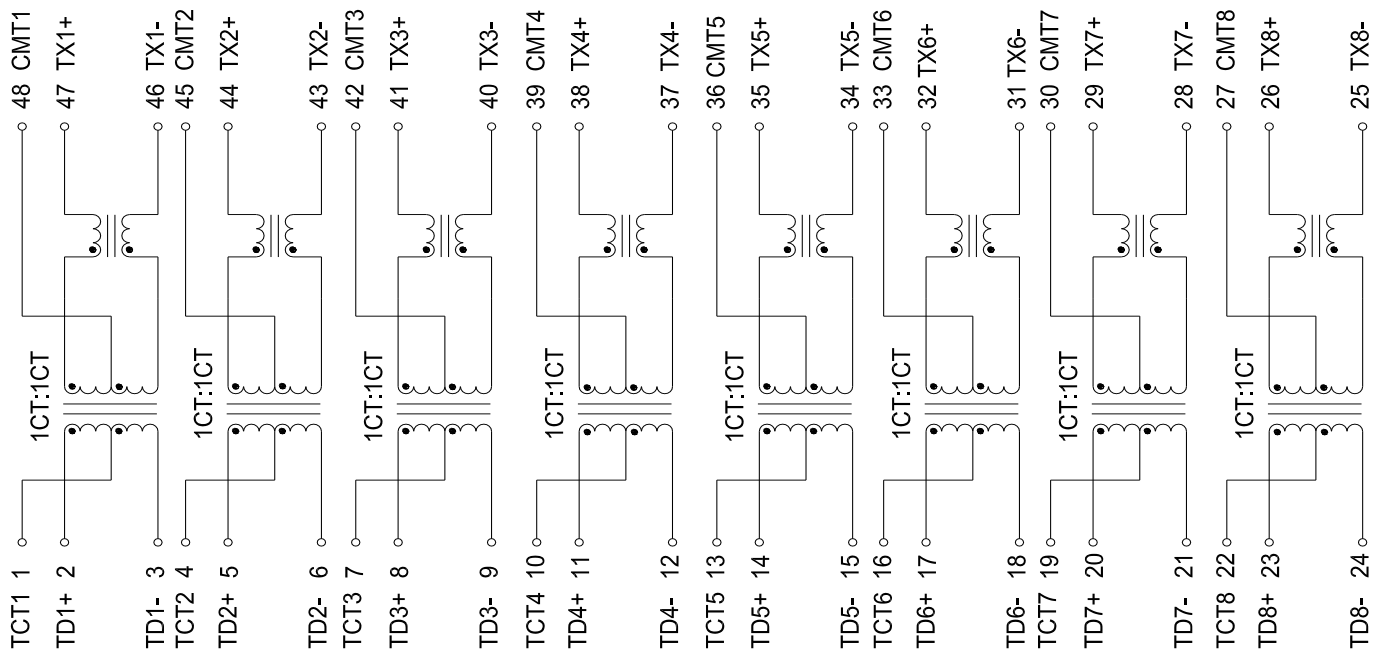
Tel:0755-23203979 15602918199 Contact:Serena Chen

www.siscofer.com

## A. MECHANICAL(unit:mm)



## B. SCHEMATICS



| DESCRIPTION     | SKMAG P/N   | SPEC NO. | REV: R0   |
|-----------------|-------------|----------|-----------|
| 100/1000 BASE-T | SG48001 -1G |          | PAGE: 1/3 |



### C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 350uH Min @ 100 KHz, 0.1V with 8mA DC BIAS
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1400mΩ Max
4. Turns Ratio: 1CT:1CT ±5%
5. Insertion Loss: -1.1 dB Max @ 1-100 MHz
6. Return Loss: -18 dB Min @ 1-30 MHz
  - 14.4 dB Min @ 40 MHz
  - 13.1 dB Min @ 50 MHz
  - 12 dB Min @ 60-80 MHz
  - 10 dB Min @ 100 MHz
7. Cross Talk: -30 dB Min @ 1-100 MHz
8. Common Mode Rejection: -30 dB Min @ 1-100 MHz
9. Isolation Hipot: 1500VAC 1mA 60S
10. Operating temperature -30°C to +75°C
11. Storage temperature -30°C to +125°C
12. PoE Support 15W : Each channel support 350mA DC balance current

|                 |             |          |           |
|-----------------|-------------|----------|-----------|
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| 100/1000 BASE-T | SG48001 -1G |          | PAGE: 2/3 |