

SPECIFICATION FOR APPROVAL

承认书

CUSTOMER

客户:

CUSTOMER NO.

客户料号.:

SKY PART NO.

我司料号.:

DG48203PG

DESCRIPTION:

100/1000 BASE-Tx Maggnetics Mdule

ATTACHMENT:

■ SPECIFICATION

■ AMPLE Q'TY OF SAMPLES _____PCS

CUSTOMER APPROVAL

(客户承认章)

SKY APPROVAL



思科飞尔技术（深圳）有限公司
Siscofer Technology(Shen Zhen)Co.,Ltd.

SALES BY
(业务员):

刘国印

CHECKED BY
(工程审核):

邹工

APPROVAL BY
(批准):

陈晓娜



思科飞尔技术（深圳）有限公司
Siscofer Technology(Shen Zhen)Co.,Ltd.

Tel:0755-83845349 15602918199 Contact:Serena Chen

www.ciscofel.com

1. FEATURES:

- 1.1 Compatible with various 10/100/1000 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
- 1.2 Compliant with IEEE 802.3 standard including baseline wander compensation specification of 350uH OCL when Biased at 8mA from 0°C to 70°C

(POE+ FOR 700mA)

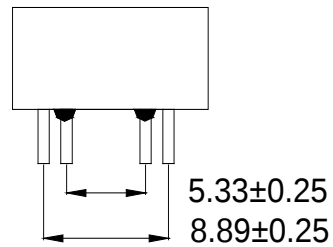
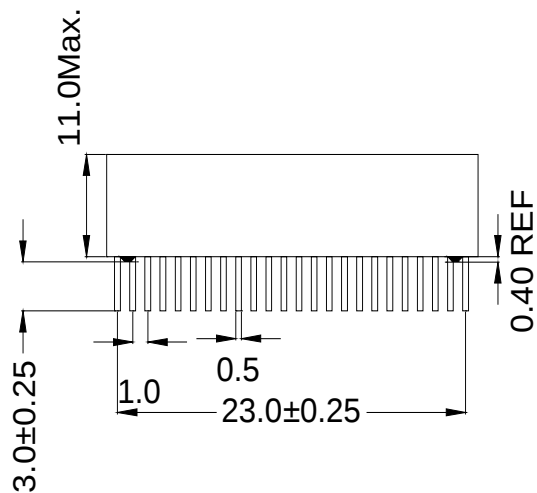
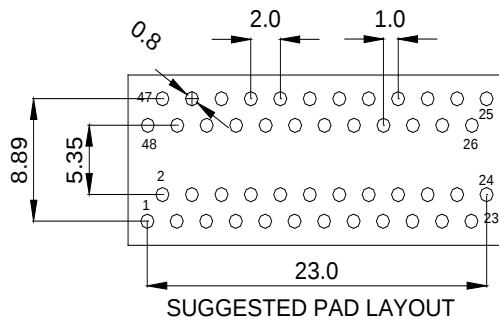
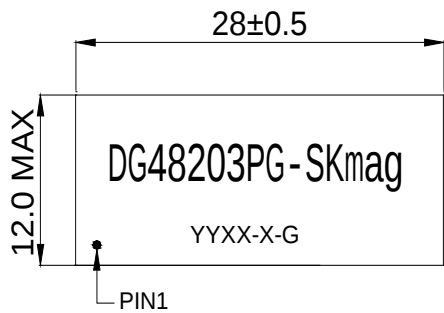
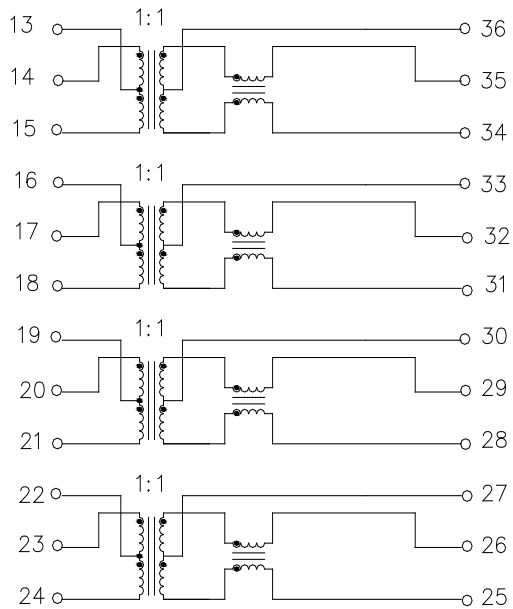
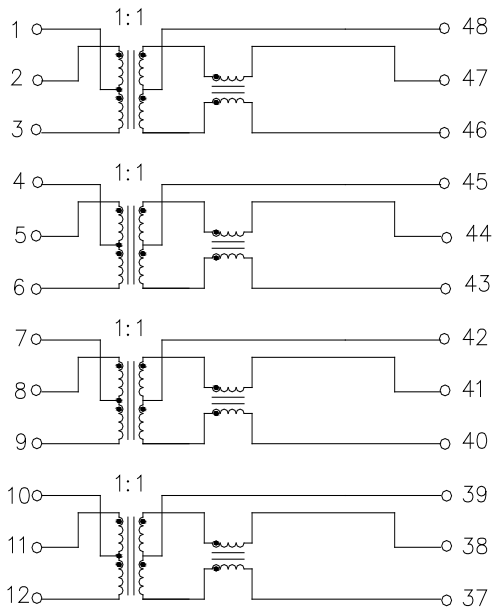
- 1.3 Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process (255°C peak)
- 1.4 Single channel interface for 10/100Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- 1.5 Operating Temperature range: 0°C to 70°C

2.ELECTRICAL SPECIFICATIONS @25°C

- 2.1 OCL : 350 uH Min. @ 100 KHz, 100mV with 8mA DC Bias
- 2.2 Leakage Inductance: 0.5 uH Max. @ 100KHz, 0.1V
- 2.3 Cw/w: 30 pF Max. @ 100KHz, 0.1V
- 2.4 DCR: 1.30Ω Max.
- 2.5 Turns Ratio(±5%): 1CT:1CT(TX), 1CT:1CT(RX)
- 2.6 Insertion Loss: -1.1 dB Max. @ 1-100MHz
- 2.7 Return Loss: -16 dB Min. @ 1-30MHz
 - 12 dB Min. @ 60 MHz
 - 10 dB Min. @ 80 MHz
- 2.8 Cross Talk: -42 dB Min. @ 1-30 MHz
 - 40 dB Min. @ 60 MHz
 - 38 dB Min. @ 80-100MHz
- 2.9 Common Mode Rejection : -42 dB Min. @ 1-30 MHz
 - 40 dB Min. @ 60 MHz
 - 35 dB Min. @ 80-100 MHz
- 2.10 Isolation HI-POT: 1500Vrms 1mA 1Second

DRAWN BY:	CHECKED BY:	APPROVED BY:	CUSTOMER:
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3. SCHEMATICS:



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SAMPLE TEST DATA（样品测试报告）

NO SPEC	1	2	3	4	5	6	7	8	9	10
Turns Ratio:										
PRI:SEC=1CT:1CT ±3%	OK	OK	OK	OK	OK					
HI-POT:										
PRI:SEC at 1500Vrms1mA	OK	OK	OK	OK	OK					
OCL(AT 100KHz, 100mV										
350uHMin.With8mA DC Bias)										
2-3	446	393	491	509	505					
5-6	454	439	495	406	481					
8-9	446	393	491	509	505					
11-12	454	439	495	406	481					
14-15	446	393	491	509	505					
17-18	454	439	495	406	481					
20-21	446	393	491	509	505					
23-24	454	439	495	406	481					
LK:(AT 100KHz, 0.1V)										
0.5 uH Max.										
2-3(47-46short)	0.19	0.15	0.20	0.24	0.22					
5-6(44-43 short)	0.20	0.22	0.24	0.23	0.20					
8-9(40-41short)	0.19	0.15	0.20	0.24	0.22					
11-12(37-38short)	0.20	0.22	0.24	0.23	0.20					
14-15(35-34short)	0.19	0.15	0.20	0.24	0.22					
18-17(32-31 short)	0.20	0.22	0.24	0.23	0.20					
20-21(29-28short)	0.19	0.15	0.20	0.24	0.22					
23-24(25-26 short)	0.20	0.22	0.24	0.23	0.20					
Cw/w:(AT 100KHz, 0.1V)										
60 pF Max.										
1-48	25	23	20	19	21					
4-45	22	26	24	24	26					
7-42	18	21	23	22	24					
10-39	26	17	18	20	21					
MAIN TEST EQUIPMENT										
☒ TOPWARD TPT-500 WITHSTANDING VOLTAGE TESTER ☐ HEWLETT PACKARD 4277A LCZ METER ☒ CHEN HWA 3250 AUTOMATIC TRANSFORMER TEST SYSTEM ☒ CHEN HWA 502A LOW-OHM METER ☐ RF NETWORK ANALYZERS HP8712ET										
REPORT BY:	CHECKED BY:		APPROVED BY:		CUSTOMER:					
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