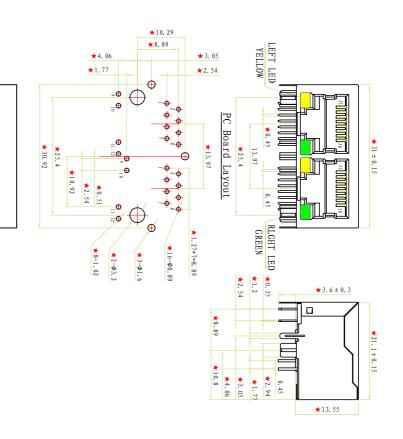
1、MECHANICAL(产品外观结构)



SK02-211009NLA1

 $\frac{\text{SK02} \cdot 21}{\text{A}} \cdot \frac{1}{\text{B}} \cdot \frac{009}{\text{C}} \cdot \frac{\text{NLA1} \cdot (\text{Y/N})}{\text{E}} \cdot \frac{(\text{Y/N})}{\text{F}}$

A: IT STANDS FOR THE DIFFERENt RJ45 DESIGNING OF COMPANY, SUCH AS "SK" STANDS FOR COMPANY BUT "XX" STANDS FOR THE SERIES NUMBER OF DIFFERENT PRODUCTS.

B: THE PARTS ARE SINGLE OR MULTI-PORTS: SUCH AS SK01-11XXXX, IT MEANS 1X1 SINGLE PORT, SK01-21XXXX,MEANS 2X1 OR 1X2,IT IS A DUAL PORTS RJ45 FILTERED CONNECTOR, "G" THE MEAN IS 1000BASE REQUIREMENT

C: TELLS IT IS A LEDS VERSION OR NOT, "1" MEANS WITH LEDS, "0"OR ELSE IS WITHOUT LEDS

D: IT STANDS FOR THE PARTS'S SERIES NO.

E: NL=ROHS COMPLAINT,

F: CONTACT PLATING CODE: NORMAL TYPE IS NO MARK , IT STANDS THANDS THE CONTACT AREA OF CONTAC PIN IS 60% GOID PIATING.MORE THAN 60% NEED MARK 15 OR 30 OR 50.ETC.

\	2012.08.22		FIRST RELEASE	Α	
	DATE	ECN NO.	DESCRIPTION	REV.	



GENERAL SPCEFICATION

DESCRIPTION

◆10/100 BASE-TX RJ45 1*2 TAB-DOWN WITH LEDS INTEGRATED MAGNETICS CONNECTOR ICM

FEATURES AND BENEFITS

- ▶ROHS PEAK WAVE SOLDER TEMPERATURE RATING 260° C.
- ▶RJ45 1*2 8-PIN WITH INTERNAL MAGNETIC;
- SUITABLE FOR CATS AND CAT6 FAST ETHERNET CABLE OR BETTER UTP.
- ◆INTERNAL MANETICS: 100%ELECTRONICALLY TESTED FOR HI POT AND FUNCTIONALITY.

ELECTRICAL PERFORMANCE SUMMARY

- ▼MEETS IEEE802. 3 SPECIFICATION AND 350uH MINIMUM OCL WITH 8mA BIAS CURRENT.
- ►HIGH PERFORMANCE FOR MAXIMUM EMI SUPPRESSION

TEMPERATURE PERFOMANCE

- ▶STORAGE TEMPERATURE RANGE: -25° C TO +85° C.
- ◆OPERATION TEMPERATURE RANGE: 0° C TO +70° C.

MATERIAL SPECIFICATION

- SHIELD: BRASS, 0.2mm THICKNESS WITH NICKEL PLATED.
- \blacktriangleright HOUSING: PBT (30% GLASS FIBER, UL94V-0).
- SOLDERING MATERIAL: 99. 3%Sn0. 3%Cu.
- ▶CONTACT: PHOSPHOR BRONZE, 0.35mm THICKNESS, HARD GOLD PLATED OVER $< 3 \mu$ "INCH \square 3 μ "INCH

		[Ĭ		1
		7	50 II "INCH]	6μ"INCH W	
64 ~ 250	16~64	4~16	0 ~ 4	dimension	
0. 25	0.12	0.\08	A 05	\ A	TOLERANCE RATE
0.40	0.25	0.15	0.10	В	ATE
0.80	0.50	0.30	N. 20) c	

15 μ "INCH□

30 μ "INC

②
ELECTRONI CS
\circ

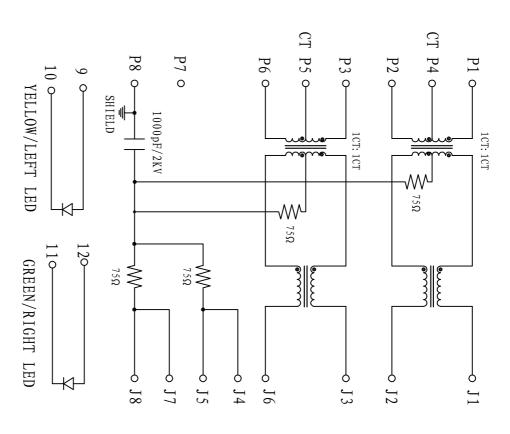
TITLE: 10/100 BASE-TX 1*1 TAB-DOWN RJ45 WITH LED

Ç		2			
20	REV: A				
DWG NO:		TOTAL	2012.08.22	SkyGuo	APPROVED
		1	2012.08.22	Li Zi Biao	CHECK
SK02-211	SKO		2012.08.22	LongZou	DRAWING
	PART NO:	PAGE	Date	SIGNATURE	NOIS

SK 0
02
-2
1
1
0
0.0
9
NL.
` >
A 1

CSAK-02107

ELECTRONICAL (产品电子原理图)



 $\frac{\text{SK02 - } 21 \text{ I } 009}{\text{A} \text{ B C D}} \frac{\text{NLA1 - } (\text{Y/N})}{\text{E}}$

A: IT STANDS FOR THE DIFFERENt RJ45 DESIGNING OF COMPANY, SUCH AS "SK" STANDS FOR COMPANY

BUT "XX" STANDS FOR THE SERIES NUMBER OF DIFFERENT PRODUCTS.
B: THE PARTS ARE SINGLE OR MULTI-PORTS: SUCH AS SK01-11XXXXX, IT MEANS 1X1 SINGLE PORT, SK01-21XXXXX,MEANS 2X1 OR 1X2,IT IS A DUAL PORTS RJ45 FILTERED CONNECTOR, "G" THE MEAN IS 1000BASE REQUIREMENT

C: TELLS IT IS A LEDS VERSION OR NOT, "1" MEANS WITH LEDS, "0"OR ELSE IS WITHOUT LEDS

D: IT STANDS FOR THE PARTS'S SERIES NO.

E: NL=ROHS COMPLAINT,

F: CONTACT PLATING CODE: NORMAL TYPE IS NO MARK , IT STANDS THANDS THE CONTACT AREA OF CONTAC PIN IS 60'' GOID PIATNG.MORE THAN 60'' NEED MARK 15 OR 30 OR 50.ETC.

	REV.	DESCRIPTION	ECN NO.	DATE
	Α	FIRST RELEASE		2012.08.22
_				



ELECTRICAL SPECIFICATIONS

◆ ALL TEST CONDITIONS@25°C UNLESS OTHERWISE NOTED

◆TURN RATIO:

TX, SECONDARY: PRIMARY= 1CT: 1CT ± 3%。

RX, SECONDARY: PRIMARY= 1CT: 1CT ± 3%.

◆OCL: 350uH MIN, 8mA DC BIAS CURRENT.

▶ INSERTION LOSS: 1-100MHZ-1.0dB MAX.

◆ RETURN LOSS: 1MHZ TO 10MHZ :-18dB MIN

10MHZ TO 30MHZ :-16dB MIN

30MHZ TO 60MHZ :-14dB MIN

80MHZ TO 100MHZ : -12dB MIN : -10dB MIN

60MHZ TO 80MHZ

► CROSSTALK: 1MHZ TO 100MHZ -35dB MIN

◆ COMMON MODE REJECTION: 1-100MHZ :-35dB MIN

◆HIPOT: 1500V AC 1mA 1S.

 \blacktriangleright CAPACITOR: 1000pF \pm 25% 2KV

ightharpoonup RESISTANCE: 750HMS $\pm 20\%$

♦ RESISTANCE OF COIL: 1.80HMS MAX, 0.250HMS MIN

◆LEFT LED COLOR: YELLOW; RIGHT LED COLOR: GREEN.

S X		ELECTRONICS CO.,LTD	LTD	TITLE TAB-	TITLE:10/100 BASE-TX 1*1 TAB-DOWN RJ45 WITH LED
SIGNATURE	TURE	Date	PAGE	PART NO:	
DRAWING	LongZou	2012.08.22	i i	SK 0	SK02-211009NLA1
CHECK	Li Zi Biao	2012.08.22	2		
APPROVED	SkyGuo	2012.08.22	TOTAL		DWG NO:
				REV: A	CSAK-02107
			د		CD111 02101