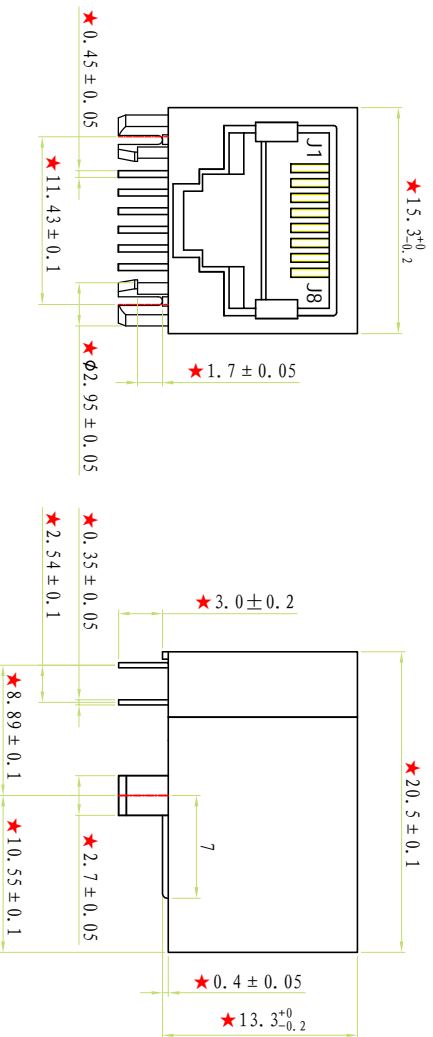
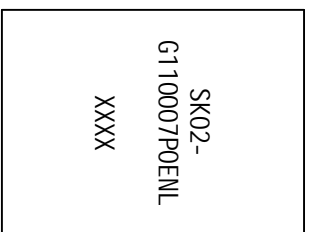
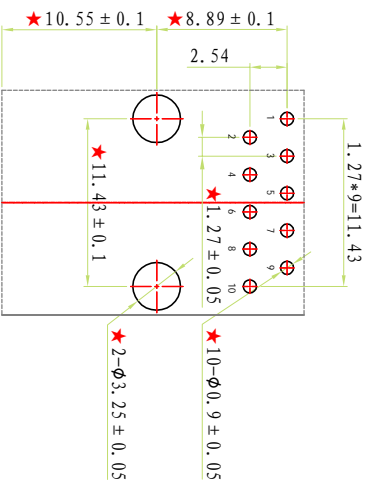


1、MECHANICAL (产品外观结构)



PCB Board Layout



REV.	DESCRIPTION	ECN NO.	DATE
A	FIRST RELEASE		2012.08.08

GENERAL SPECIFICATION

DESCRIPTION

- ◆ 10/100/1000 BASE-TX RJ45 1*1 TAB-DOWN WITHOUT LEDS

INTEGRATED MAGNETICS CONNECTOR ICM.

FEATURES AND BENEFITS

- ◆ ROHS PEAK WAVE SOLDER TEMPERATURE RATING 260° C.
- ◆ RJ45 1*1 8P/10C WITH INTERNAL MAGNETIC;
- ◆ SUITABLE FOR CAT5 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 PERFORMANCE

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

MATERIAL SPECIFICATION

- ◆ HOUSING: PBT (30% GLASS FIBER, UL94V-0) .
- ◆ SOLDERING MATERIAL: 99.3%Sn0.3%Cu.
- ◆ CONTACT: PHOSPHOR BRONZE, 0.35mm THICKNESS, HARD GOLD PLATED OVER TIN GOLD PLATING:
 - < 3 μ " INCH □ 3 μ " INCH □ 6 μ " INCH
 - 15 μ " INCH □ 30 μ " INCH □ 50 μ " INCH □
- ◆ ALL PLASTIC COLOR: BLACK.

dimension	TOLERANCE RATE		
	A	B	C
0~4	±0.05	±0.10	±0.20
4~16	±0.08	±0.15	±0.30
16~64	±0.12	±0.25	±0.50
64~250	±0.25	±0.40	±0.80

CSAK® ELECTRONICS CO., LTD

TITLE: 10/100/1000 BASE-TX 1*1
TAB-DOWN RJ45 WITHOUT LED

SIGNATURE		DATE	Page	PART NO:
DRAWING	LongZou	2012.08.08	1	SK02-G110007POENL
CHECK	Li Zi Biao	2012.08.08	1	
APPROVED	SkyGuo	2012.08.08	Total	
			1	REV A
				DWG NO: CSAK-02200



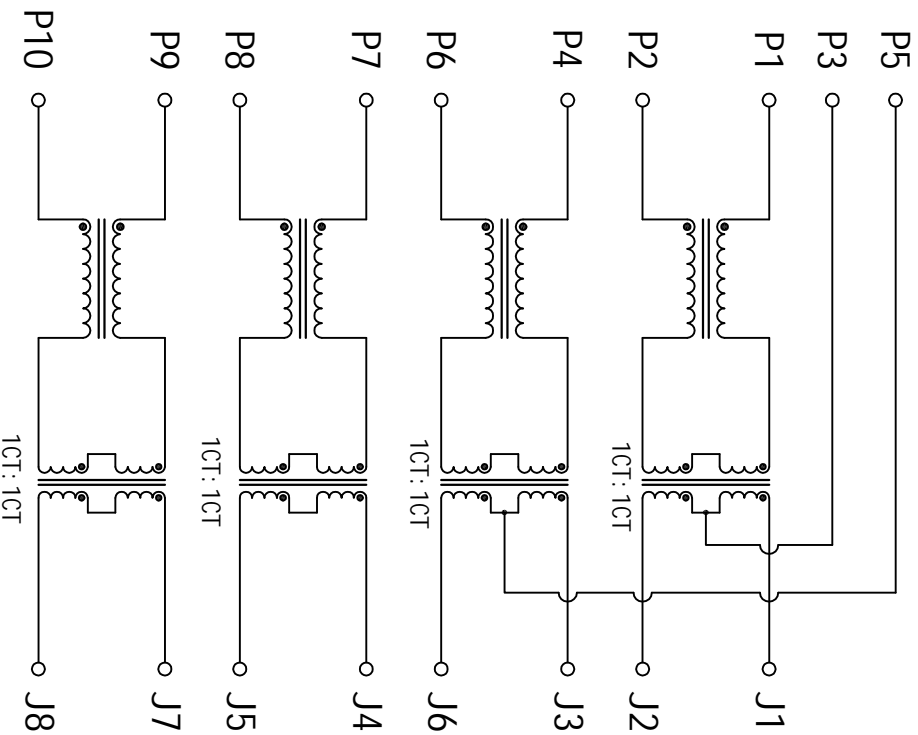
ORDER INFORMATION:

SK02 - G11 0007POE NL (Y/N)

A B C D E F

- A: IT STANDS FOR THE DIFFERENT R45 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 R45 FILTERED CONNECTOR. "G" THE MEANIS 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 CONTACT PIN IS 6U" GOLD PLATING, MORE THAN 6U" NEED MARK 15 OR 30 OR 50.ETC.

2、ELECTRONICAL (产品电子原理图)



ORDER INFORMATION:
SK02-G11 0 007POE NL-(X/N)

A B C D E F

- A: IT STANDS FOR THE DIFFERENT R145 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 MULTIPORTS, SUCH AS SK01-11XXXX, IT MEANS 1X1 SINGLE PORT, SK01-21XXXX MEANS 2X1 OR 1X2, IT IS A DUAL PORTS R145 FILTERED CONNECTOR, "C" 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: NI=ROHS COMPLAINT.
- F: CONTACT PLATING CODE: NORMAL TYPE IS NO MARK, IT STANDS THANDS THE CONTACT AREA OF CONTACT PIN IS 6U" GOLD PLATING, MORE THAN 6U" NEED MARK 15 OR 30 OR 50. ETC.

REV.	DESCRIPTION	ECN NO.	DATE
A	FIRST RELEASE		2012.06.11

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.
60MHZ TO 80MHZ : -12dB MIN.
80MHZ TO 100MHZ : -10dB MIN.
- ◆ CROSSTALK: 1MHZ TO 100MHZ : -35dB MIN.
- ◆ COMMON MODE REJECTION: 1-100MHZ : -35dB MIN.
- ◆ HIPOT: 1500V AC 1mA 1S.
- ◆ RESISTANCE OF COIL: 1.80HMS MAX, 0.250HMS MIN.
- ◆ 1000BAET POE PARAMETERS:
- ◆ USING THE CURRENT : 720mA MIN.
- ◆ MAGNETIC SATURATION: INDUCTANCE=350uH MIN @ 720mA, -10/+75°C.
- ◆ WIRE: 0.14mm MIX.
- ◆ MAGNETIC CORE: 4.14mmX1.92mmX1.9mm MinZn.

		TITLE: 10/100/1000 BASE-TX 1*1 TAB-DOWN R145 WITHOUT LED	
		PART NO: SK02-G110007POENL	
SIGNATURE	DATE	Page	REV
DRAWING LongZou	2012.08.08	2	DWG NO: CSAK-02200
CHECK Li Zi Biao	2012.08.08	Total	
APPROVED SkyGuo	2012.08.08	2	A

