



YONGCHENG

SPECIFICATION FOR APPROVAL

DATE: APR 07, 2009

SAMPLE Q'TY 5 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: AM-014

YONGCHENG P/N : YL-1SM048H-36

DESCRIPTION : 10/100BASE1X1 Tab-Up SMD RJ45

APPROVED SIGNATURES	
YONGCHENG APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: LiaoZongCheng	APPROVED BY:
DATE: 2009/04/07	DATE:
APPROVED No. :	APPROVED No. :

(ZUNYI)YONGCHENG ENTERPRISE INC.

LanGongShan,ZunYi City,GuiZhou,China

Tel: 0852-3162322 13087896733 Fax: 0852-3162322 E-mail<lzc0818@163.com>



Feature

- ◆ Peak Solder rating 260 °C
- ◆ Parts are 100% tin matte finish over necke
- ◆ Reduce EMI radiation, improve EMI performance.
- ◆ Pb free Soldering Heat Withstanding
- ◆ Operating temperature range : 0°C to +70°C.
- ◆ Storage temperature range: 0°C to +85°C.

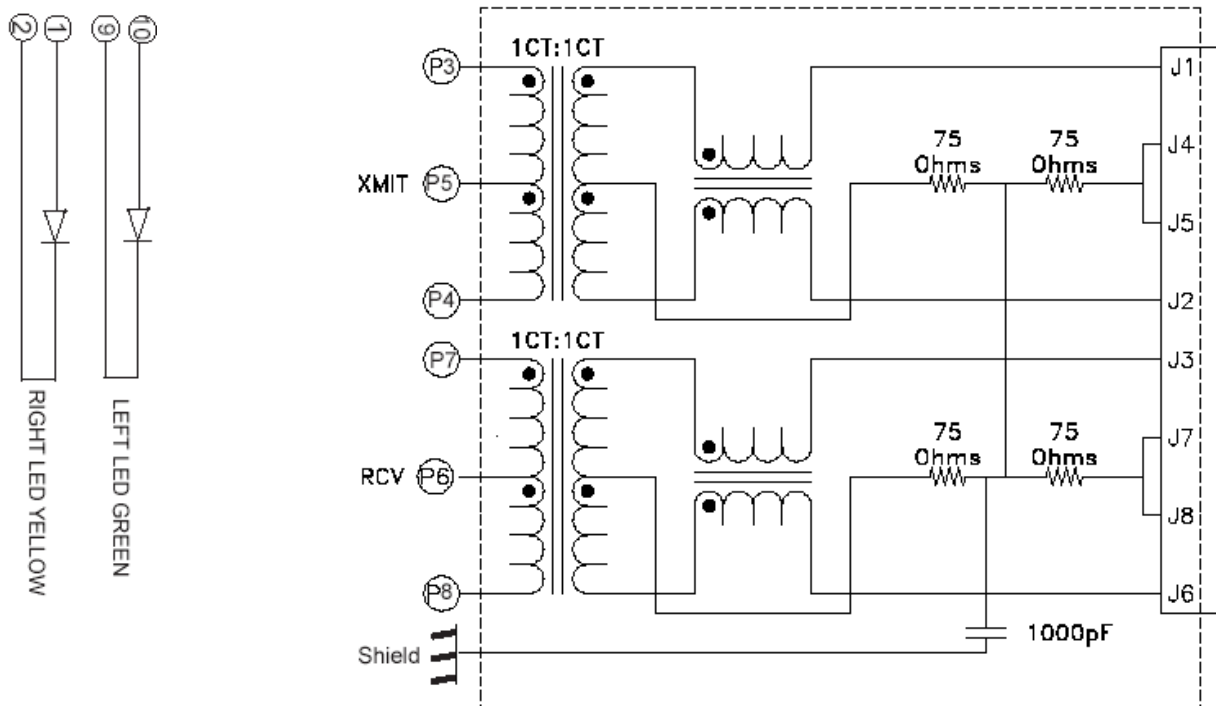
Electrical Specifications @ 25°C

Part Number	Turns Ratio TX/RX(+/-3%)	HI-POT (Vrms)	Cross talk (dB MIN)			OCL(uH Min) 100KHz/0.1V with 8Ma DC BIAS
			1-30MHz	30-60MHz	60-100MHz	
YL-1SM048H-36	1CT:1CT	1000	-40	-35	-30	350

Continue

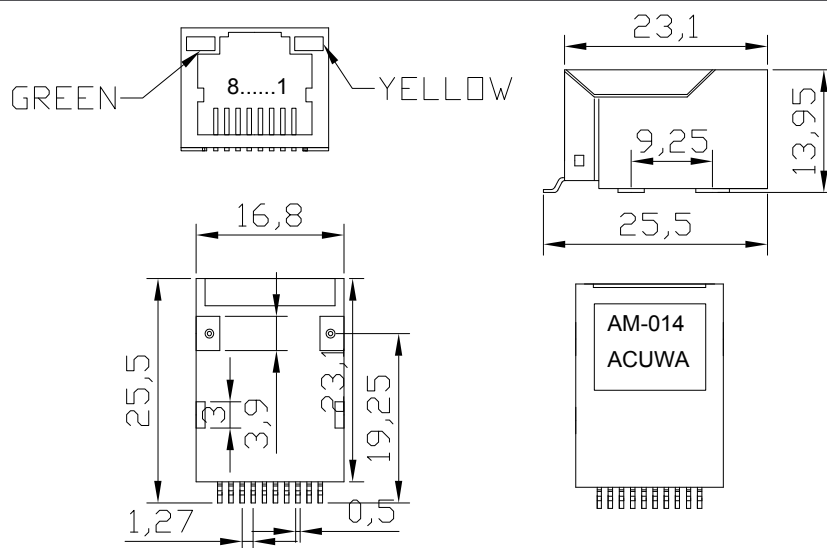
Part Number	Insertion Loss (dB Max)	Return Loss (dB MIN)				CMRR (dB Min)	
		1-10MHz	10-30MHz	30-60MHz	60-80MHz	1-50MHz	50-150MHz
YL-1SM048H-36	-1.0	-20	-16	-12	-10	-30	-20

Schematic





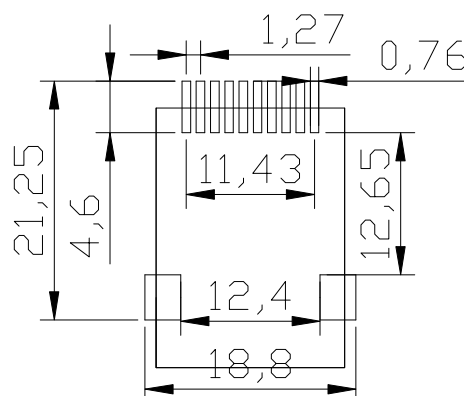
Mechanicals



UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ± 0.3

1. Plastic Material : Thermoplastic (UL 94V-0), Black Housing
2. Metal Shield : Brass , 20u inches thick Nickel
3. Spring Wire : 0.45mm Dia. Phosphor bronze with selective gold plating
4. Solder Pin : 0.4x0.4mm, Phosphor bronze with solder Plated
5. Durability : 300 Mating cycles Min.

PCB Layout Mounting Hole (Top View)



SUGGESTED PAD LAYOUT

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ± 0.3

Acuwa

PART NO.		AM-014		DATE			2009/04/07				
DESCRIPTION		10/100BASE1X1 Tab-Up SMD RJ45									
ITEM	TEST EQUIPMENTS	TEST CONDITION @ 25°C	SAMPLES NO. TEST PIN	1	2	3	4	5	SPECIFICATION		
									Min	Typ	Max
OCL (uH MIN)	3250	100KHz/0.1V with 8mA DC BIAS	P3-P4	418	396	469	512	483	350		
			P7-P8	438	472	501	488	457			
Cross Talk (dB MIN)	8711/8712	1-30 MHz	TX TO RX	PASS	PASS	PASS	PASS	PASS	-40		
		30-60 MHz	TX TO RX	PASS	PASS	PASS	PASS	PASS	-35		
		60-100 MHz	TX TO RX	PASS	PASS	PASS	PASS	PASS	-30		
HI-POT(Vrms)	GPI-5005T	1000Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	6S		
TURN RATIO (+/-3%)	CA8120A	1MHz/sine wave	P3-P4:J1-J2	PASS	PASS	PASS	PASS	PASS	1CT:1CT		
			P7-P8:J3-J6	PASS	PASS	PASS	PASS	PASS			

SAMPLES TEST REPORT



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PART NO.		AM-014		DATE					2009/04/07				
DESCRIPTION		10/100BASE1X1 Tab-Up SMD RJ45											
ITEM	TEST EQUIPMENTS	TEST CONDITION @ 25°C	SAMPLES NO. TEST PIN	1	2	3	4	5	SPECIFICATION				
									Min	Typ	Max		
Insertion Loss (dB MAX)	8711/8712	1-65 MHz	P3-P4 TO J1-J2	PASS	PASS	PASS	PASS	PASS	-1.0				
			P7-P8 TO J3-J6	PASS	PASS	PASS	PASS	PASS					
Return Loss(dB MIN)	8711/8712	1-10 MHz	P3-P4 TO J1-J2	PASS	PASS	PASS	PASS	PASS	-20				
			P7-P8 TO J3-J6	PASS	PASS	PASS	PASS	PASS					
		10-30 MHz	P3-P4 TO J1-J2	PASS	PASS	PASS	PASS	PASS	-16				
			P7-P8 TO J3-J6	PASS	PASS	PASS	PASS	PASS					
		30-60 MHz	P3-P4 TO J1-J2	PASS	PASS	PASS	PASS	PASS	-12				
			P7-P8 TO J3-J6	PASS	PASS	PASS	PASS	PASS					
		60-80MHz	P3-P4 TO J1-J2	PASS	PASS	PASS	PASS	PASS	-10				
			P7-P8 TO J3-J6	PASS	PASS	PASS	PASS	PASS					
		CMRR (dB MIN)	8711/8712	1-50 MHz	P3-P4 TO J1-J2	PASS	PASS	PASS	PASS	PASS	-30		
					P7-P8 TO J3-J6	PASS	PASS	PASS	PASS	PASS			
50-150 MHz	P3-P4 TO J1-J2			PASS	PASS	PASS	PASS	PASS	-20				
	P7-P8 TO J3-J6			PASS	PASS	PASS	PASS	PASS					

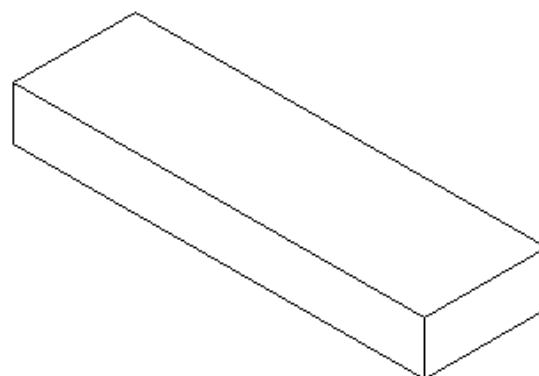
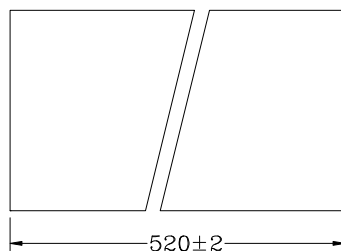
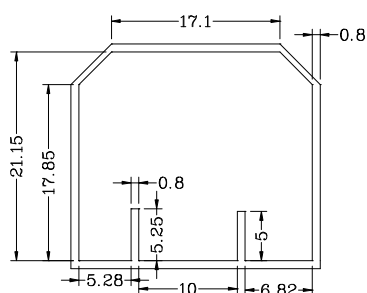


YONGCHENG ELECTRONIC CORP.

SAMPLES PACK SPECIFICATIONS

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CUSTOMER	ACUWA	CUST P/N.	AM-014
ITEM	TRANSFORMER	DESCRIPTION	YL-1SM048H-36
PART NO.	868-00480	DATE	2009/04/07

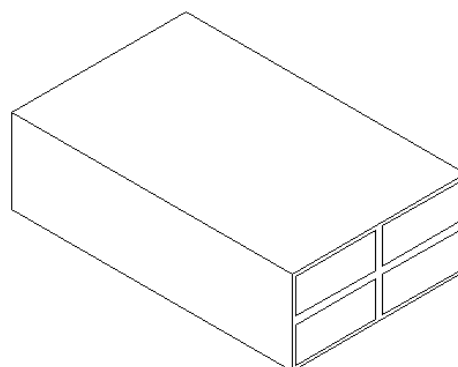
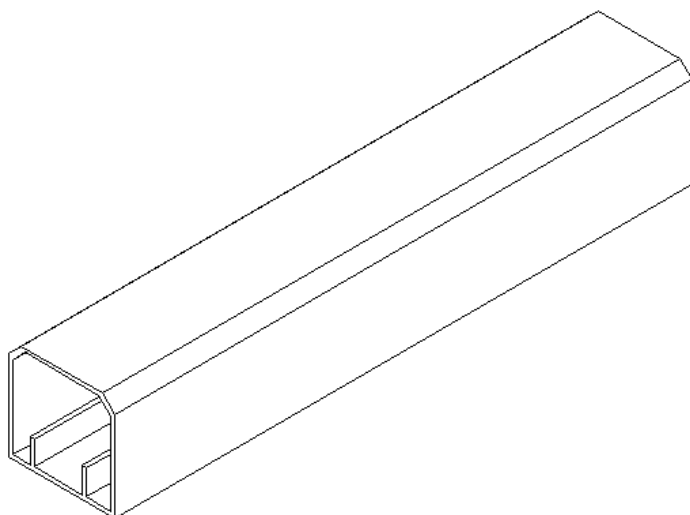


Units:mm Tolerances: xx.xx0±0.25

x.x0±0.25

TUBE MECHANICAL DIMENSION

INNER CARTON :540*160*70



TUBE =30 PCS

INNER CARTON=18 TUBE=18*30=540 PCS

EXPORT CAPTON : 560*340*160

EXPORT CARTON=4INNER CARON=4*540=2160 PCS

REMARK:	APPROVAL	CHECKED	DRAWN BY
	LiaoZongCheng		Qingxiaobin