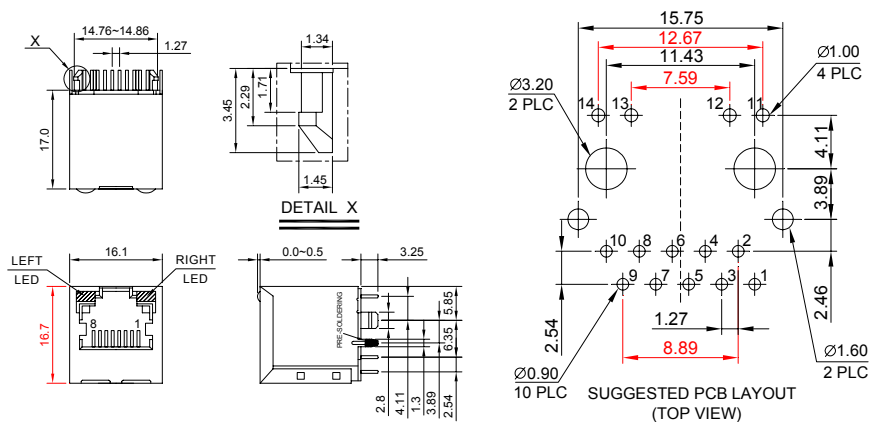
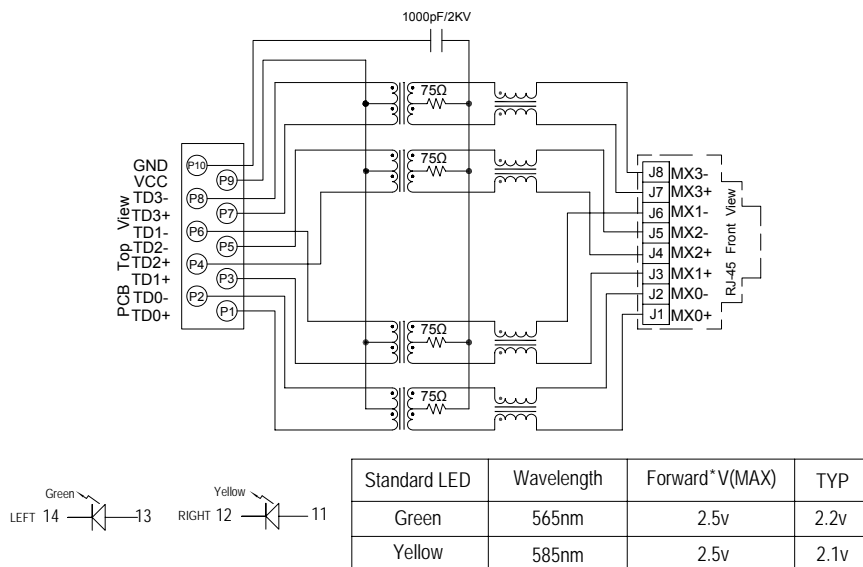


## 一、Mechanical Dimensions



Unit: mm Unless otherwise specified, all tolerances are  $\pm 0.25$


## 二、Schematics



## 三、ELECTRICAL SPECIFICATIONS@25°C:

1. Turn Ratio( $\pm 3\%$ ): 1CT:1CT
2. OCL(100KHz/0.1V@8mA):350uH MIN.
3. Insertion Loss(dB MAX):-1.0dB(0.1-100MHz)
- 4.ReturnLoss(dB MIN):-18dB(0.1-30MHz),-16dB(30-60MHz), -10dB(60-100MHz)
- 5.Crosstalk(dB MIN): -40dB(0.1-30MHz),-35dB(30-60MHz), -30dB(60-100MHz)
6. CDMR(dB MIN):-30dB(0.1-100MHz)
7. DCMR(dB MIN):-30dB(0.1-100MHz)
8. HI-POT(Pri to Sec) : 1500Vrms
9. Operating Temperature:0°C TO +70°C
10. RoHS compliance:YES



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<b>TITLE</b>	<b>180° Rj45 1000 Base-T Jack With Magnetic Module</b>		
<b>P/N</b>	<b>24G-1835GYD2NL</b>	<b>REV.</b>	<b>1.0</b>
<b>PAGE NO</b>	<b>1-4</b>	<b>DATE</b>	<b>2011-8-11</b>
<b>AP'PD</b>	<b>LiuQingHong</b>	<b>DWN</b>	<b>GuoHaiJin</b>

## 四、Mechanicals

### Housing Material:

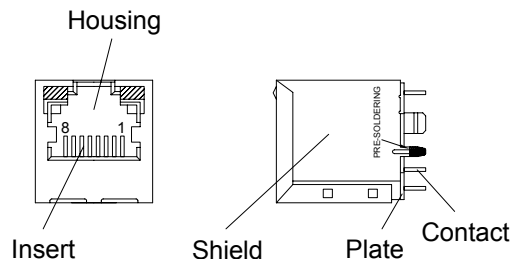
MATERIAL:NYLON UL94V-0 STANDARD COLOR:BLACK

### Insert Material:

MATERIAL:Phos-Bronze C5210 EH---0.35mm Thickness

Insert -PBT GF UL94V-0

- 1.PLATING(1) NICKEL
- 2.PLATING(2) 100%Sn
- 3.PLATING(3) GOLD (3u " ~50u " )



### Contact pin Material:

MATERIAL: Phos-Bronze C5191---0.35mm Thickness

- 1.PLATING(1) NICKEL
- 2.PLATING(2) 100%Sn

### Shielding Material:

BRASS C2680 PLATING NICKEL

Operating Life:750 Cycles MIN.

## 五、Environmental

- 1.Storage Temp:-40℃ TO +85℃.
- 2.Operating Temp: 0℃ TO +70℃
- 3.MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68,SUBPARTEF.

## 六、Part Number:

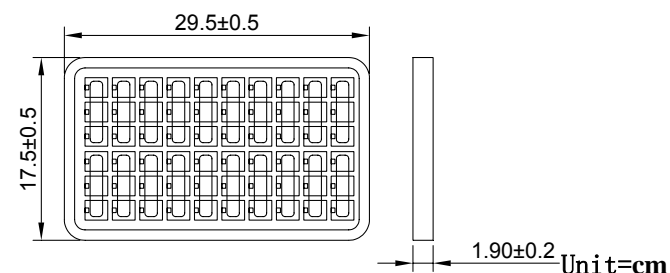
**24G-1835GYDXNL**

RoHS version  
Gold Plating:1=3u",2=6u",3=15u",4=30u",5=50u",

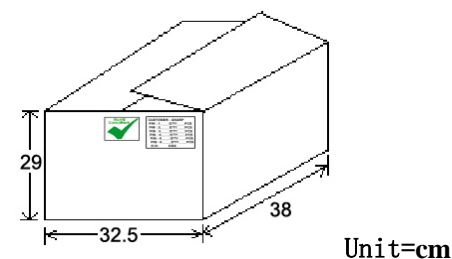
REV.	DESCRIPTION	DATE	DWN	AP'PD

## 七、Packaging

1. packaging unit : 60 PCS/tray
2. packaging material : PET



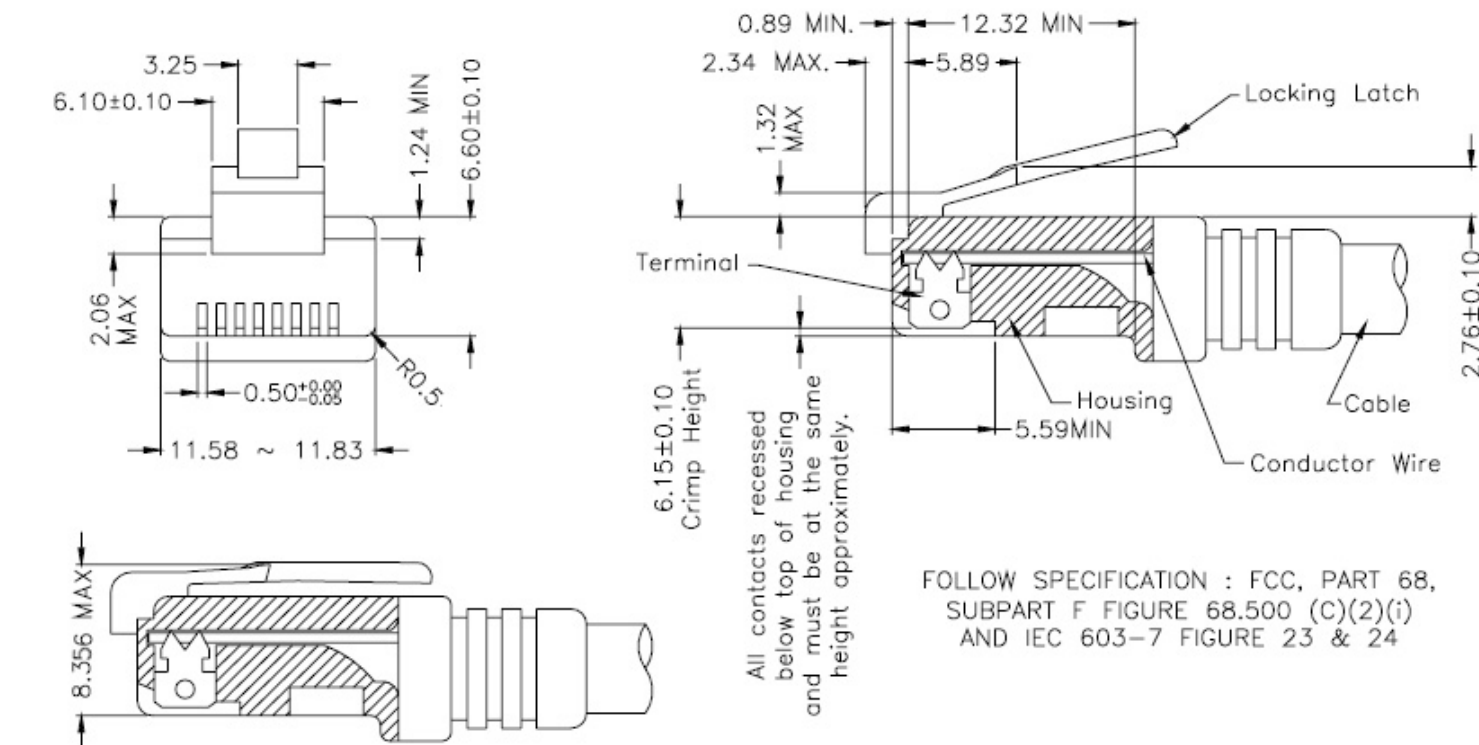
3. outer carton unit: 1320 pcs/ 22 Trays/box



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	TITLE	180° Rj45 1000 Base-T Jack With Magnetic Module		
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## 八、RJ PLUG SPECIFICATION

REV.	DESCRIPTION	DATE	DWN	AP'PD



FOLLOW SPECIFICATION : FCC, PART 68,  
SUBPART F FIGURE 68.500 (C)(2)(i)  
AND IEC 603-7 FIGURE 23 & 24

FOLLOW SPECIFICATION : FCC, PART 68, SUBPART F  
FIGURE 68.500 (C)(2)(ii)

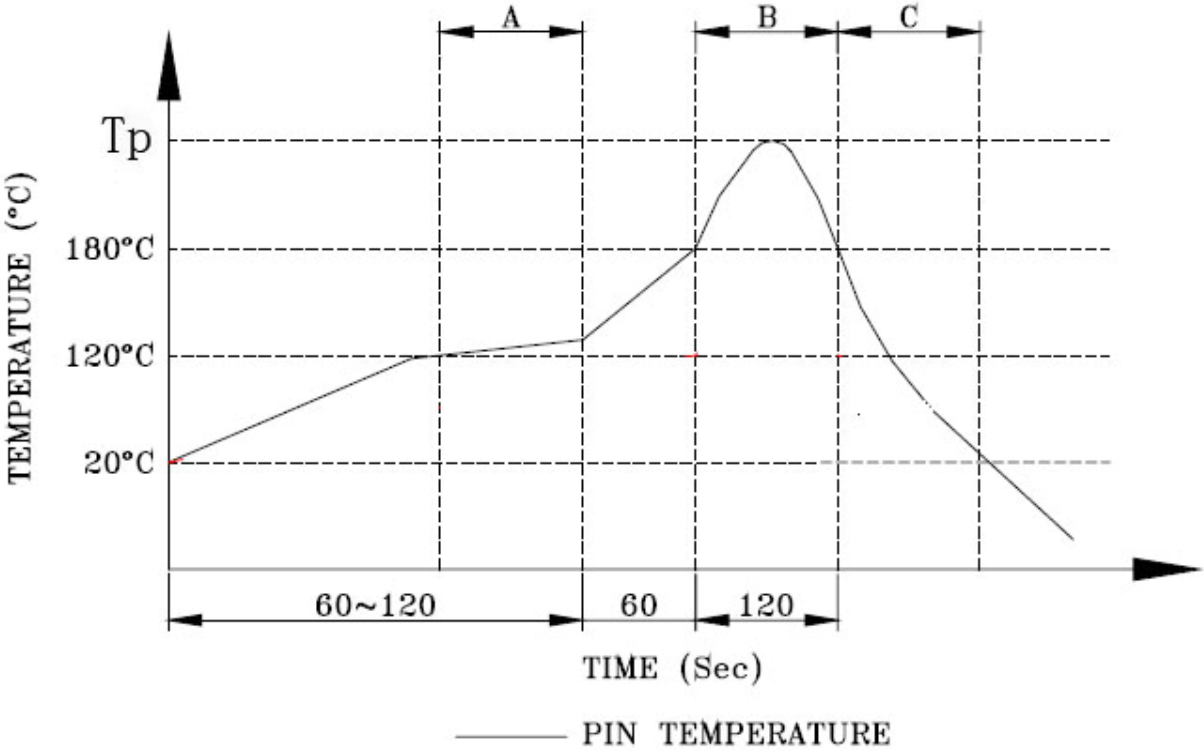
STANDARD MODULAR PLUG ASSEMBLY



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TITLE	180° Rj45 1000 Base-T Jack With Magnetic Module		
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九、PROFILE OF WAVE SOLDER

REV.	DESCRIPTION	DATE	DWN	AP'PD



A. Preheating    B. Soldering    C. Gradual Cooling

SUGGESTED WAVE SOLDER CURVE

- 1. Peak temperature(Tp) :  $250 \pm 10^{\circ}\text{C}$
- 2. Peak temperature(Tp) time : 5sec max

<div>RoHS Compliant</div> <div></div>	<div><div>MACONICS</div><div>MAKING SOLUTION FOR 3C</div></div> <div><div>Maconics Technology Co., Ltd.</div><div><a href="http://www.maconics.com">Http://www.maconics.com</a> E-mail:sales@maconics.com</div><div>Tel: +886-3-407-2889 Fax: +886-3-407-2868</div></div>			
	TITLE	180° Rj45 1000 Base-T Jack With Magnetic Module		
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