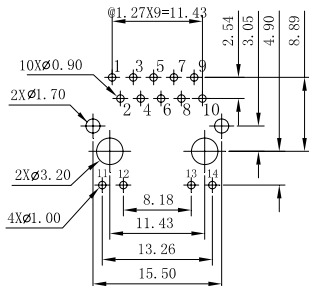
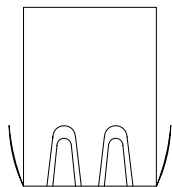
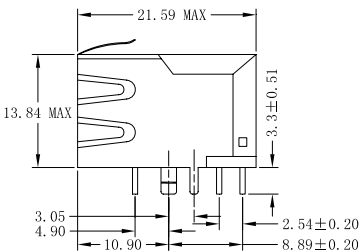
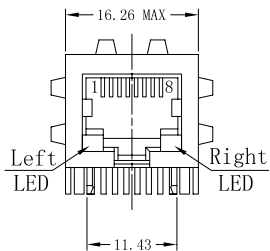


Mechanicals Dimensions

REV.	DESCRIPTION	DATE	DWN	AP'PD



PC Board Layout
Component Side Shown

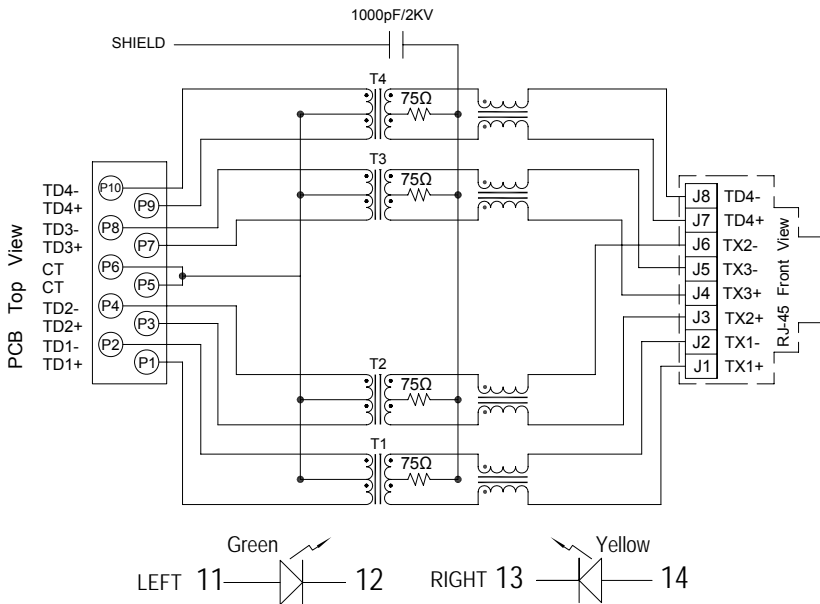


UNIT:mm Unless otherwise specified, all tolerances are ±0.25

ELECTRICAL SPECIFICATIONS@25℃:

- Turn Ratio(±5%): 1CT:1CT
- OCL(100KHz/0.1V@8mA): 350uH MIN
- INSERTION LOSS (dB MAX): -1.0dB(1-100MHz)
- Return Loss(dB MIN):
-18dB(1-30MHz), -14dB(30-60MHz),-12dB(60-80MHz)
- Cross talk(dB MIN):
-35dB(1-10MHz), -26dB(15-60MHz), -24dB(60-100MHz)
- CMR(dB MIN):-30dB(1-100MHz)
- HI-POT TEST: 1500Vrms/0.5mA/2Sec
- OPERATING TEMPERATURE: 0℃ ~+70℃
- RoHS compliance:YES

Schematics



Ref:HY911131C



 元册科技股份有限公司 YUAN DEAN SCIENTIFIC CO., LTD.			
TITLE	1000 Base-T Single Port Rj-45 Jack Magnetics		
P/N	48F-01GY2DPLXNL	REV.	0
PAGE NO	1-2	DATE	2008-8-19
AP'PD	Li YueSheng	DWN	Chen JlaPei

Mechanicals

Housing Material:

MATERIAL:NYLON GF (Fr50) 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 ")

Plate Material:

PBT GF UL 94V-0

Contact pin Material:

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

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

Shielding Material:

BRASS C2680 H.---0.25mm THICKNESS PLATING NICKEL

Operating Life:750 Cycles MIN.

Environmental

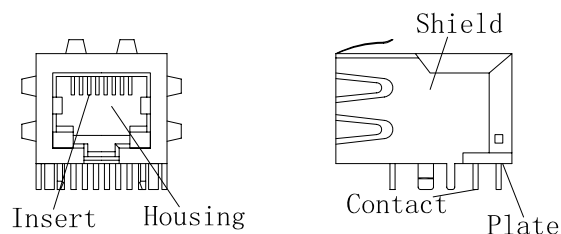
- 1.Storage Temp:-40℃ TO +85℃.
- 2.Operating Temp: 0℃ TO +70℃.
- 3.Wave Soldering Temperature:230~250℃ (3~5 SECONDS)
4. MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68,SUBPART F.

Part Number

48F-01GY2DPLXNL

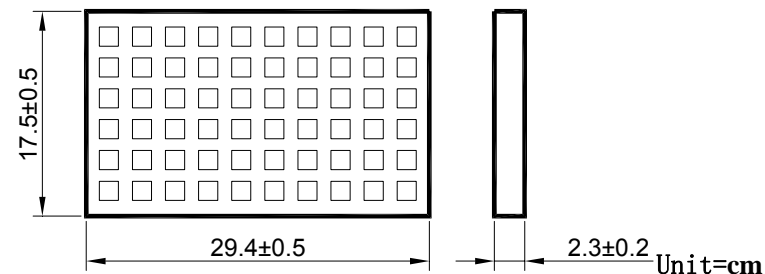
RoHS version
Gold Plating:1=3u",2=6u",3=15u",4=30u",5=50u",

RoHS
Compliant

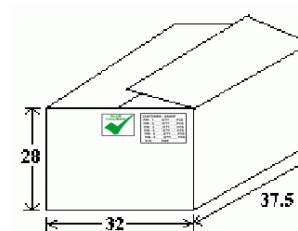


Packaging


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



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



Unit=cm

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