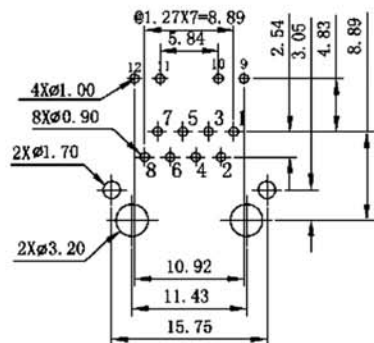
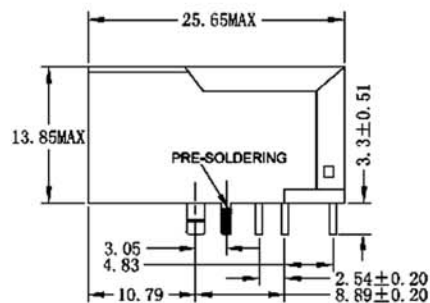
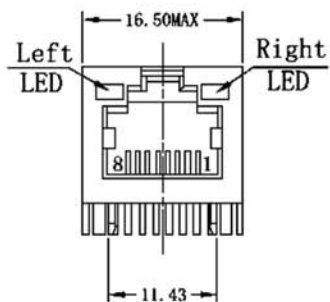


Mechanical Dimensions

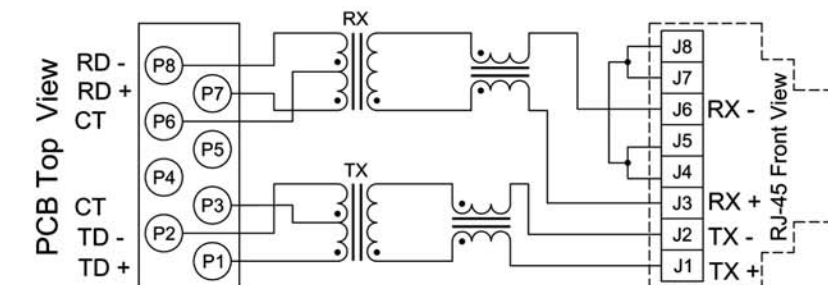


PC Board Layout
Component Side Shown



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

Schematics



Standard LED	Wavelength	Forward*V(MAX)	TYP
Green	565nm	2.5v	2.2v
Yellow	585nm	2.5v	2.1v

With a forward current of 20mA

ELECTRICAL SPECIFICATIONS :

1. Turn Ratio($\pm 5\%$): 1CT:1
2. OCL(100KHz/0.1V@8mA):350uH MIN.
3. Insertion Loss(dB TYP):-1.0dB(1-65MHz)
4. Return Loss(dB TYP): -20dB(1-10MHz),-16dB(10-30MHz),-12dB(30-60MHz),
-10dB(60-80MHz)
5. Cross talk(dB TYP):-40dB(1-30MHz),-35dB(30-60MHz),-30dB(60-100MHz)
6. CMR(dB TYP):-30dB(1-50MHz),-20dB(50-150MHz)
7. HI-POT(Pri to Sec) : 1500Vrms/0.5mA/60Sec or 1650Vrms/0.5mA/2Sec
8. Operating Temperature:-40°C TO +85°C

Ordering Information

LMJ347881X4NWGY

Contact Plating

- 1: 15u" gold
- 2: 30u" gold
- 3: 50u" gold
- 4: 6u" gold



TOLERANCE (mm)	APPROVALS	DATE	TITLE	AMPHENOL Amphenol European Design Center	
X, ± 0.3	DRAWN Stephane	29/Sep/2010	10/100 Base Transformer RJ45 Dip Side Entry w/LED	Scale N.A.	Sheet 1 of 2
X.X ± 0.2	CHECKED Rob	29/Sep/2010			
X.XX ± 0.15	APPROVED Rob	29/Sep/2010			
UNLESS OTHERWISE SPECIFIED		UNIT : mm	SIZE : A4	DRAWING N° LMJ347881X4NWGY	REV. A

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 C5191---0.35mm Thickness

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

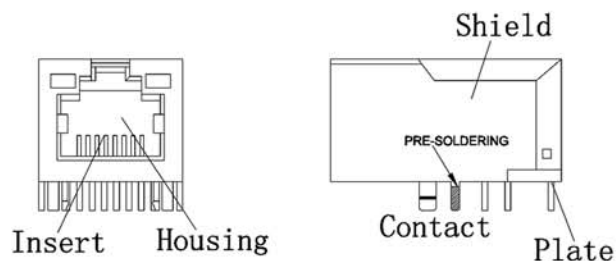
Shielding Material:

BRASS C2680 PLATING NICKEL

Operating Life:750 Cycles MIN.

Environmental

- 1.Storage Temp:-40°C TO +85°C.
- 2.Operating Temp: -40°C TO +85°C
- 3.MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68,SUBPART F.



TOLERANCE (mm)	APPROVALS	DATE	TITLE 10/100 Base Transformer RJ45 Dip Side Entry w/LED	AMPHENOL Amphenol European Design Center	
X. ±0.3	DRAWN Stephane	29/Sep/2010		Scale N.A.	Sheet 2 of 2
X.X ±0.2	CHECKED Rob	29/Sep/2010			
X.XX ±0.15	APPROVED Rob	29/Sep/2010			
UNLESS OTHERWISE SPECIFIED		UNIT : mm	SIZE : A4	DRAWING N° LMJ347881X4NWGY	REV. A

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