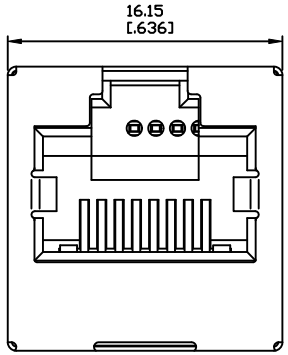
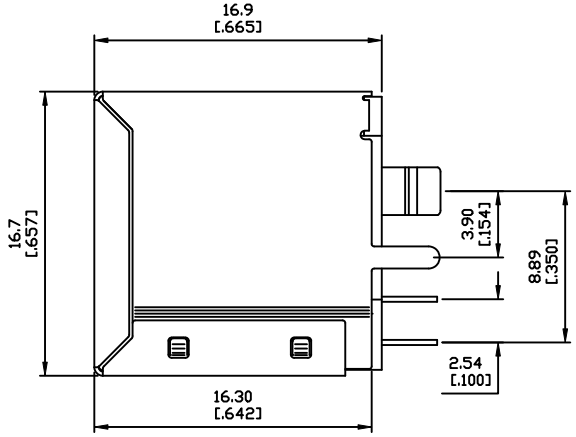
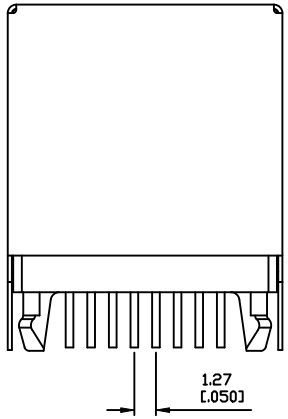
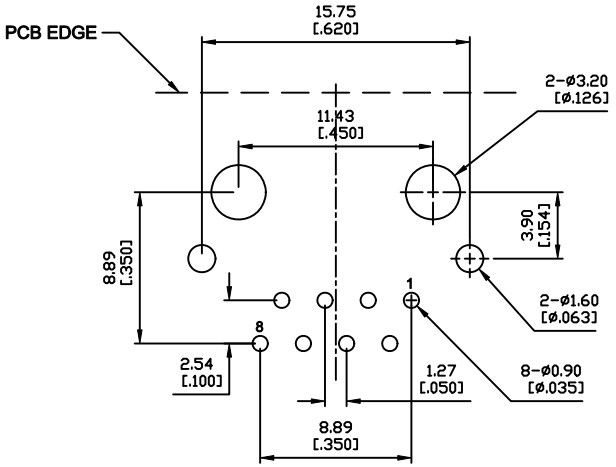
1. MECHANICAL DIMENSIONS:







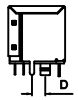


SUGGESTED PCB LAYOUT
TOP VIEW

Material:
1.Housing: Thermoplastic UL 94V-0
2.Contact : Selective Gold Plating
3.Terminal: 0.35mm Thickness Phosphor Bronze Plated With Gold And Tin In Solder Area.
4.Shielded: Brass,Nickel Plating

PART NO : 8188PA＊-B＊10-9000-D12-B

- Positions
- Contacts
- Extendec Series
- Penel Ground
  - Non : Non Panel Ground
  - U : Top With Panel Ground
  - D : 2 Sides With Panel Ground
  - S : 3 Sides With Panel Ground
- Housing Color
  - B : Black
- Gold Plated
  - 0 : Gold Flash
  - 1 : 6u"
  - 2 : 15u"
  - 3 : 30u"
  - 4 : 50u"
- Ports
- Led Options
- Dimensions On Side Shield Tab
  - 9 : D = 3.90
- Rear Shield Tab
- Extendec Color
- Protocol Type
  - D: 10/100 Mbps,4 core
- Circuit Type
- Material
  - B : PBT



Wellco T&C Co., Ltd.

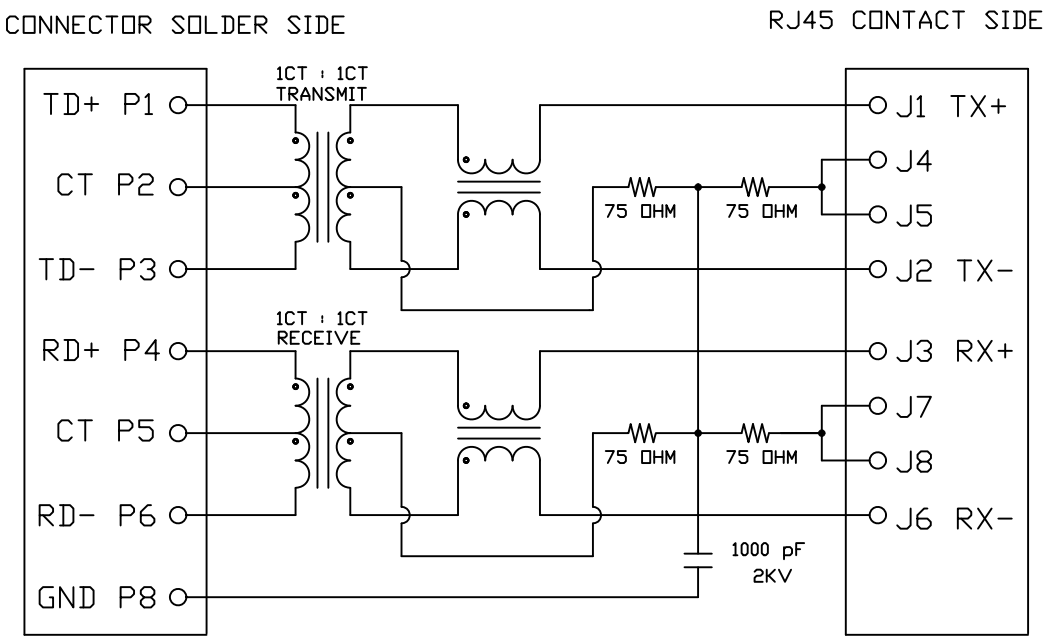
ZONE	REV.	DESCRIPTION	DATE	APPD.
Ⓐ				
Ⓑ				
Ⓒ				
Ⓓ				
Ⓔ				

FILE NO : 81(SERIES)

TOLERANCE(公差) :
0.000 mm ± 0.075 mm
0.00 mm ± 0.15 mm
0.0 mm ± 0.25 mm

TITLE 圖 名	RJ45 Connector,8P,8C,Shielded Thru Hole,10/100 Mbps LAN Magnetics			UNIT 單位	mm inch
PART NO. 料 號	8188PA-B＊10-9000-D12-B			SCALE 比 例	1 : 1
REV. 版 本	A.0	DATE 日 期	2009-07-06		
CHECKED BY 審 核	Nick		DRAWN BY 製 圖	Eric	

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

Test Notes:(25±5°C)

1.TR:(100KHz,0.1V):
Pins:(P1-P3):(J1-J2)=1:1±3%
Pins:(P4-P6):(J3-J6)=1:1±3%

2.LX:(100KHz,100mV,8mA, Dc Bias)
Pins:(P1-P3),(P4-P6)=350uH Minimum

3.DCR:
Pins:(J1-J2),(J3-J6)=1.2 Ohms Maximum

4.HIPOT:
Pins:(P1,P2,P3)To(J1,J2)=1500VAC For 60 Seconds
Pins:(P4,P5,P6)To(J3,J6)=1500VAC For 60 Seconds

5.INSERTION LOSS:
-1.0dB Maximum At 0.3MHZ To 100MHZ

6.RETURN LOSS:
-20dB Minimum At 1MHz To 30MHz;
-15dB Minimum At 30MHz To 60MHz;
-10dB Minimum At 60MHz To 80MHz

7.CROSS TALK:
-30dB Minimum At 1MHz To 100MHz

8.COMMON TO COMMON MODE REJECTION:
-30dB Minimum At 1MHz To 100MHz

Wellco T&C Co., Ltd.

ZONE	REV.	DESCRIPTION	DATE	APPD.
Ⓐ				
Ⓑ				
Ⓒ				
Ⓓ				
Ⓔ				

FILE NO : 81(SERIES)

TOLERANCE(公差) :
0.000 mm ± 0.075 mm
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0.0 mm ± 0.25 mm

TITLE 圖 名	RJ45 Connector,W/Led,8P,8C,Shielded Thru Hole,10/100 Mbps LAN Magnetics			UNIT 單位	mm inch
PART NO. 料 號	8188PA-B＊10-9000-D12-B			SCALE 比 例	1 : 1
REV. 版 本	A.0	DATE 日 期	2009-07-06		
CHECKED BY 審 核	Nick		DRAWN BY 製 圖	Eric	