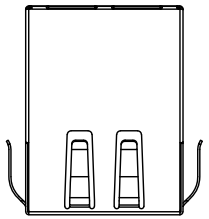
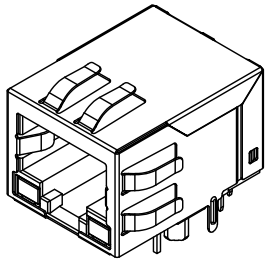
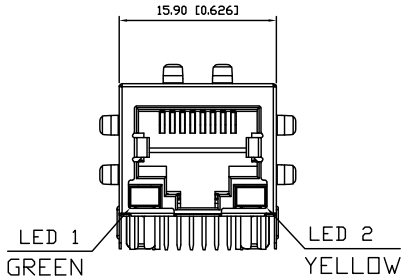
REV:	ECN. NO.	NAME	DATE
A1	-----	--------	11-15-2016

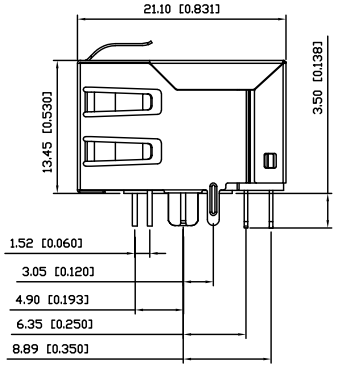
RoHS COMPLIANT

1. MECHANICAL DIMENSIONS :

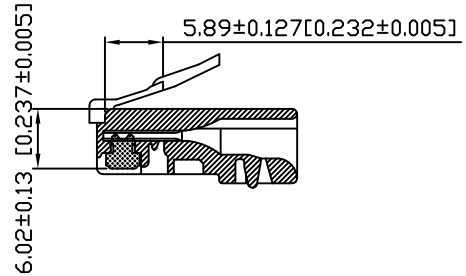




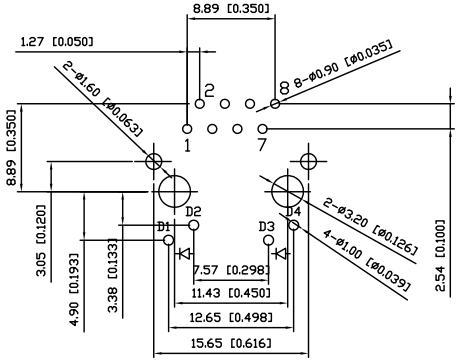




RECOMMENED PLUG DIMENSION:



2. PCB LAYOUT :



SUGGESTED PCB LAYOUT
(TOP VIEW)

NOTES:
1. MATERIAL:
   HOUSING: HIGH TEMPERATURE PBT UL94V-0 BLACK
   CONTACTS: T=0.35mm,PHOSPHOR BRONZE,
   NICKEL 50u"MIN UNDERPLATE ON ALL AREA,
   TIN 80u"MIN ON TERMINATION END,
   GOLD FLASH ON CONTACT AREA.
   SHIELD: T=0.20mm,NICKEL 30u"MIN PLATINC
2. OPERATING TEMPERATURE : 0°C~70°C
   STARAGE TEMPERATURE : -40°C~85°C
3. CAVITY CONFORMS TO FCC RULES AND REGULATIONS
   PART 68,SUBPART F.

TOLERANCE UNSPECIFIED
. ±0.50
.0 ±0.38
.00 ±0.25
.000 ±0.10
ANGLE ±3°

VITALCONN a vital connector company

FOR YOUR VITAL CONNECTION

TITLE:	RJ45 Connectors, W/LED, 8P, 8C, 100 Mbps /FILTER					
DRAWN BY:	Zou Long	PART NO:	J11GH1A41DPF1	SHEET:	1 OF 2	REV: A1
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00052	SIZE: A4	UNIT:mm	FCN: F1
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com		

For technical support, please send an email to support@vitalconn.com

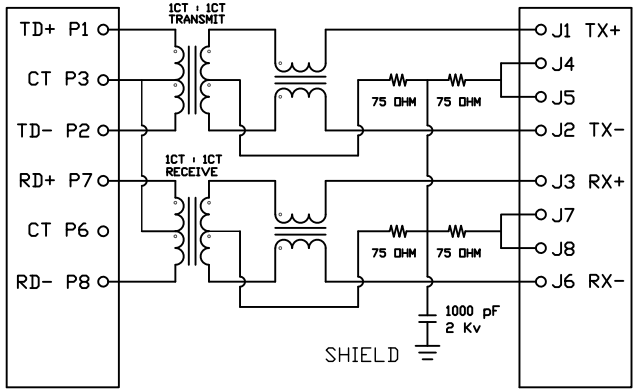
REV:	ECN. NO.	NAME	DATE
A0	-----	--------	11-15-2016

RoHS COMPLIANT

3. SCHEMATIC:

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



4. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25±5°C)

1.TR:(100KHz,0.1V);
INPUT TO OUTPUT=1:1±3%

2.LX:(100KHz,100mV,8mA, DC Bias)
350uH MINIMUM

3.DCR:
1.2 OHMS MAXIMUM

4.HIPOT:
INPUT TO OUTPUT=1500VAC FOR 60 SECONDS

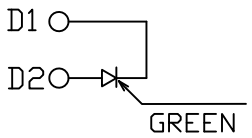
5.INSERTION LOSS:
-1.0dB MAXIMUM AT 0.3MHz TO 100MHz;

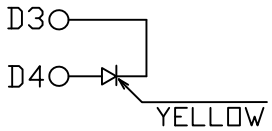
6.RETURN LOSS:
-20dB MINIMUM AT 1MHz TO 30MHz;
-15dB MINIMUM AT 30MHz TO 60MHz
-10dB MINIMUM AT 60MHz TO 80MHz

7.CROSS TALK:
-30dB MINIMUM AT 1MHz TO 100MHz

8.COMMON TO COMMON MODE REJECTION:
-30dB MINIMUM AT 1MHz TO 100MHz

5. LED CONFIGURATION :





TOLERANCE UNSPECIFIED
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