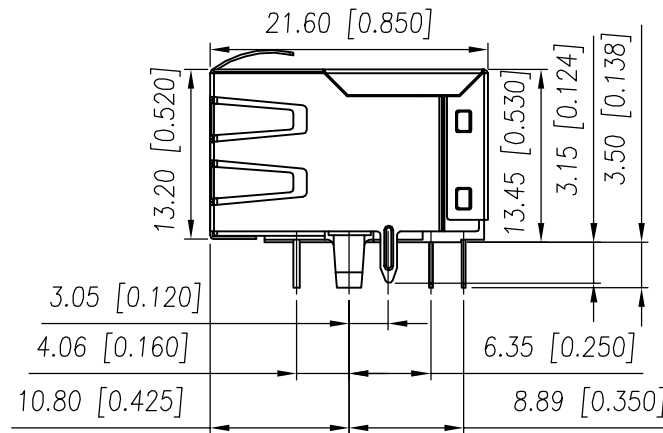
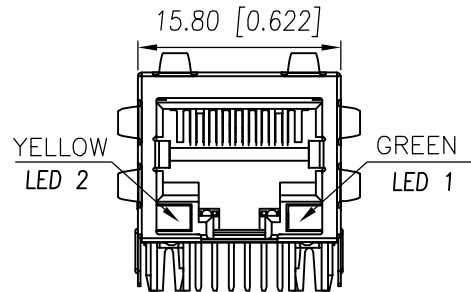
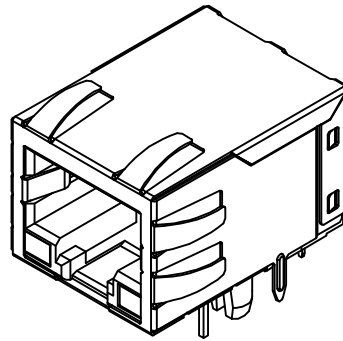
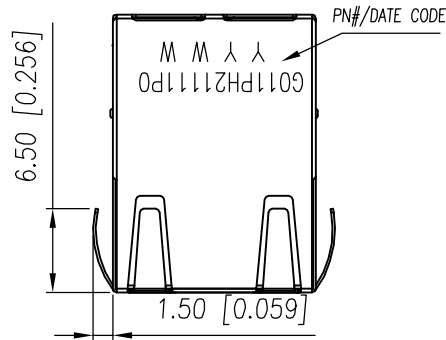


1. MECHANICAL DIMENSIONS :

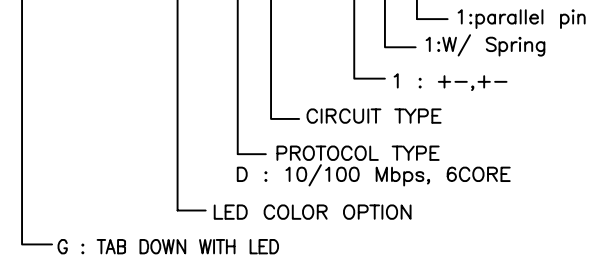


NOTES:

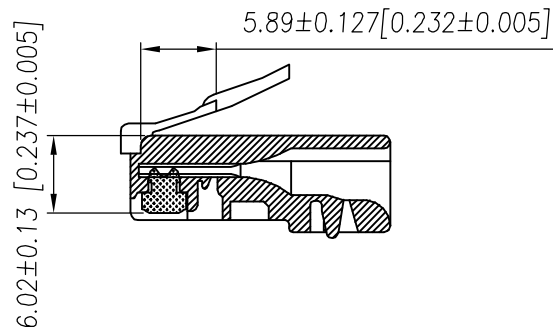
- MATERIALS:**
 HOUSING: HIGH TEMPERATURE PBT UL94V-0 BLACK
 CONTACTS: T=0.30PHOSPHOR BORNZE, NICKEL UNDERPLATE ON ALL AREA, TIN ON TERMINATION END, HARD GOLD ON CONTACT AREA.
 SHIELD: SUS T=0.20mm,NICKEL 50u" MIN PLATING.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F

PART NO:

XMG-01-1-PH2-111-1P0



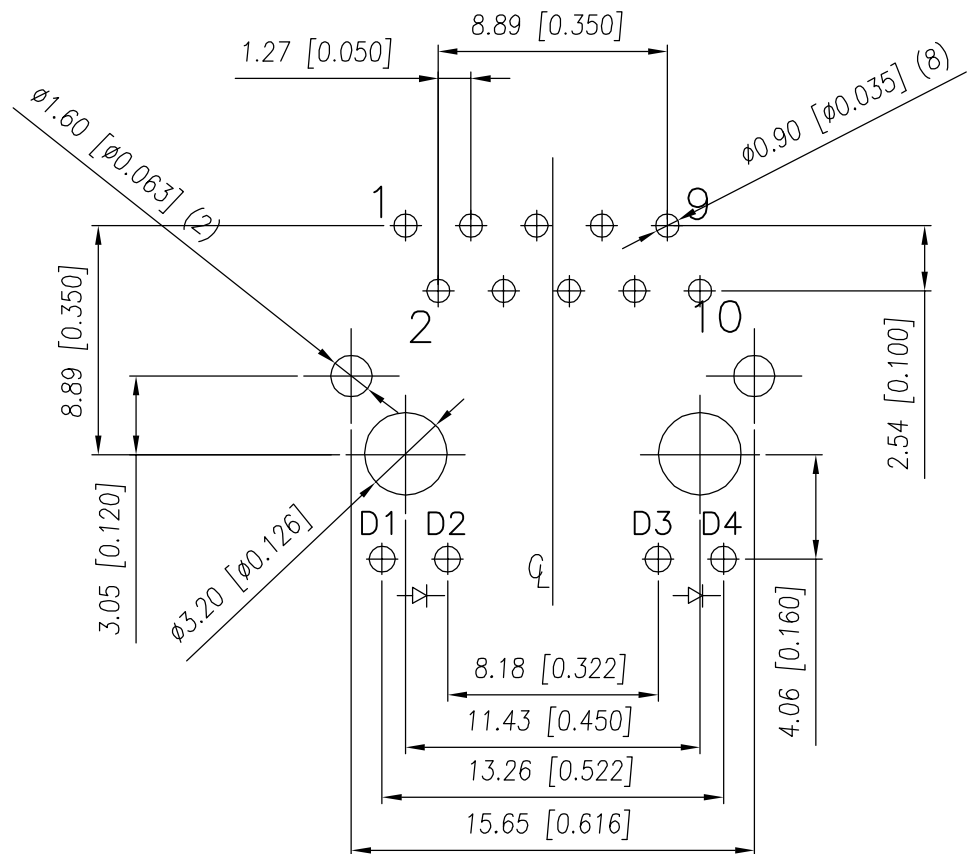
RECOMMENED PLUG DIMENSION:



RoHS Compliant

X MULTIPLE			CONNECTING THE INFORMATION AGE		
Xmultiple Technologies, Inc. 1060 Los Angeles Avenue Simi Valley, CA 93065			G/NO:		
THIS DRAWING IS A CONTROLLED DOCUMENT.			DWG NO: XMG-01-1-PH2-111-1P0		
TITLE: RJ45 Connectors, W/LED, 8P, 8C, Shielded/Thru Hole/10/100 Mbps FILTER for PoE			DRAWN: AUSTIN		
PART NO: XMG-01-1-PH2-111-1P0			CHKD: JEFF		
UNIT mm[inch]		SHEET 1 of 3	REV 01	DATE:	

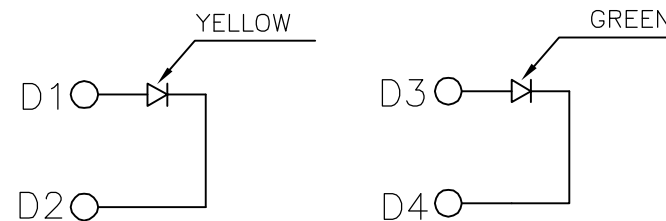
2. PCB LAYOUT



SUGGESTED PCB LAYOUT
(TOP VIEW)

DIMENSIONAL TOLERANCE: .XX $\pm 0.05 [0.001]$

3. LED CONFIGURATION



Color	Lens Color	Vf(v) @20mA		Iv(mcd) @10mA		Viewing angle 2θ 1/2
		Min	Max	Min	Typ	
Yellow	Yellow Diffused	1.7	2.8	3.0	6.0	116
Green	Green Diffused	1.7	2.8	3.5	6.0	116

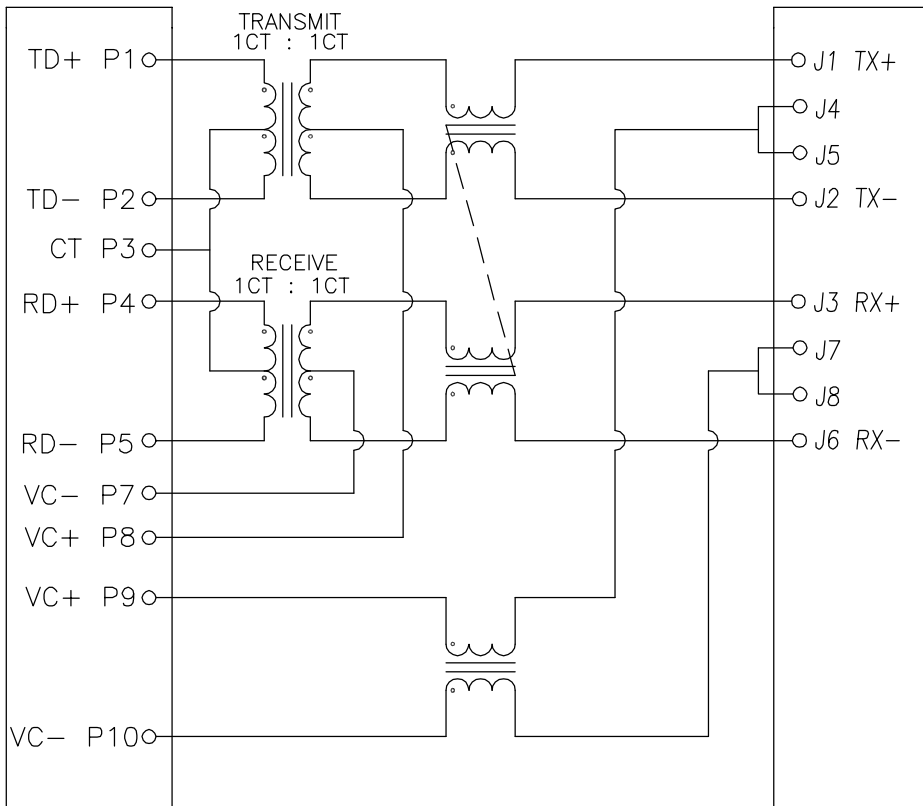
RoHS Compliant

X MULTIPLE			CONNECTING THE INFORMATION AGE		
<small>Xmultiple Technologies, Inc. 1060 Los Angeles Avenue Simi Valley, CA 93065</small>					G/NO:
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UNIT		SHEET	REV	DATE:	
mm[inch]		2 of 3	01		

4. SCHMATIC :

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



5. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25±5°C)

1.TR:(100KHz,0.1V);

PINS:(P1-P2):(J1-J2)=1:1±3%

PINS:(P4-P5):(J3-J6)=1:1±3%

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

PINS: (P1,P2),(P4,P5)=350uH MINIMUM

3.DCR:

PINS:(J1-J2),(J3-J6)= 1.2 OHMS MAXIMUM

4.HIPOT:

PINS(P1,P3,P2)TO(J1,J2)=1500VAC FOR 60 SECONDS

PINS(P4,P3,P5)TO(J3,J6)=1500VAC FOR 60 SECONDS

5.INSERTION LOSS:

-1.0dB MAXIMUM AT 1MHz 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

RoHS Compliant

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UNIT		SHEET	REV	
mm[inch]		3 of 3	01	
DATE:				