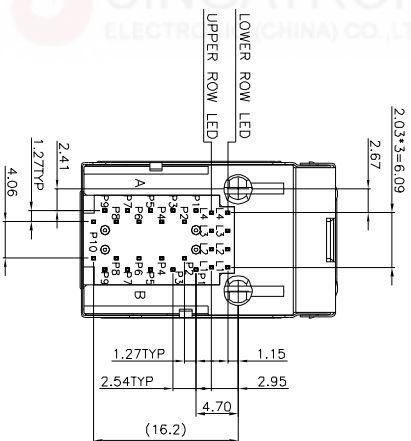


RECOMMENDED PCB LAYOUT  
ALL DIMENSION TOLERANCES ARE ±0.05  
(TOP SIDE)



- SPECIFICATIONS:
1. OTHER GENERAL SPEC. TO REFER "21J3206 SERIES SPEC."
  2. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
  3. PACKAGE : SEE "21J3206 SERIES" PACKAGE.
  4. GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING.
  5. FOR REFLOW SOLDERING LEAD-FREE PROCESS, 260°~265° FOR 10 SECS.

K	LED 2	2	ORANGE&GREEN			
J	LED 1	2	GREEN			
I	PCB	2	RF4	GREEN		
H	BACK SHIELD	1	STAINLESS T=0.20mm	Pre-SOLDERING		
G	FRONT SHIELD	1	STAINLESS T=0.20mm	UNPLATING		
F	R45 TERMINAL	2	COPPER ALLOY T=0.30mm	Au:30u GOLD PLATING		
E	INPUT TERMINAL	20	BRASS T=0.35mm	TIN PLATING		
D	INSERT	1	LCP	UL 94V-0 & BACK		
C	CASE	1	LCP	UL 94V-0 & BLACK		
B	SPACER	1	LCP	UL 94V-0 & BLACK		
A	HOUSING	1	PA10T	UL 94V-0 & BACK		
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES						
DECIMALS: ANGLES:						
X	:±0.5	X	:±2°			
X.X	:±0.3	X.X	:±1°			
X.XX	:±0.2					
TITLE	2*1 R45 1GBASE-T With LED					
DWN	Charles	PART NO.	21J3206-122112F			
CHKD	James	SCALE/N/A	UNIT:	mm		
APVD	Boye	SIZE: A3	SHEET: 1 OF 2	REV: A		
CUSTOMER COPY						

Singatron Enterprise Co., Ltd.  
信音企業股份有限公司

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO:T141210-11A	Charles	2015.10.23

### 1. MAGNETIC ELECTRICAL SPECIFICATION

PARAMETER	SPECIFICATIONS			
INSERTION LOSS	1-100 MHz -1.0 dB MAX.			
RETURN LOSS (Z OUT=100 OHM±15%)	1-30 MHz	30-60 MHz	60-80 MHz	80-100 MHz
	-18 dB MIN	-16 dB MIN	-12 dB MIN	-10 dB MIN
CROSSSTALK	1-100 MHz			
	-30 dB MIN.			
COMMON MODE REJECTION	1-100 MHz			
	-30 dB MIN.			

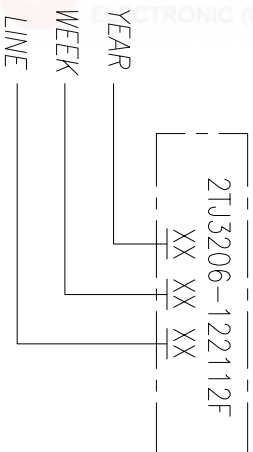
### 2. INDUCTANCE @100KHZ,0.1V,8mA DC BIAS.

Input(P1-P2), Input(P3-P4), Input(P5-P6), Input(P7-P8):350uH min.

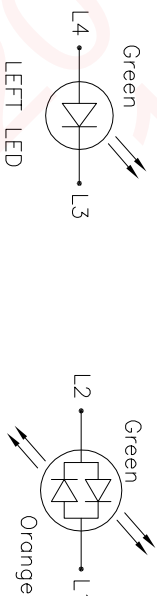
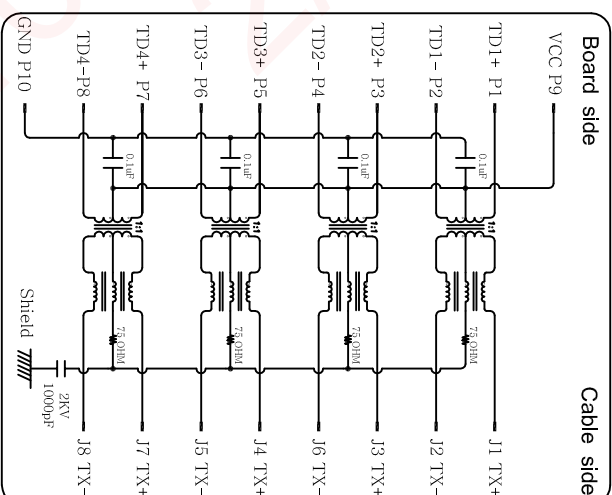
### 3. HiPot Test

Input(P1-P2) TO Output(J1-J2): 2250 DC 60s  
 Input(P3-P4) TO Output(J3-J6): 2250 DC 60s  
 Input(P5-P6) TO Output(J4-J5): 2250 DC 60s  
 Input(P7-P8) TO Output(J7-J8): 2250 DC 60s

### 4. DATE CODE:P/N&D/C



REV.	EGN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO:T141210-11A	Charles	2015.10.23



### LED ELECTRICAL SPECIFICATION

Emitting Color	PEAK WAVELENGTH	FORWARD VOLTAGE	Ir@Vr=5V
Green	565	1.7~2.6V	10uA max.
Orange	610	1.7~2.6V	10uA max.

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS:	ANGLES:
X :±0.5	X :±2°
X.X :±0.3	X.X :±1°
X.XX :±0.2	

Singatron Enterprise Co., Ltd.  
 信音企業股份有限公司

TITLE	2*1 RJ45 1GBASE-T With LED
DWN	Charles
CHKD	James
APVD	Boye
PART NO. 2TJ3206-122112F	
SCALE:N/A	UNIT: mm
SIZE: A3	SHEET:2 OF 2
REV:A	

CUSTOMER COPY