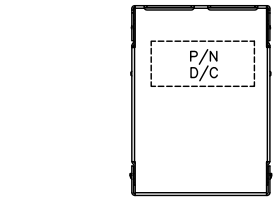
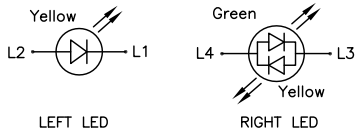
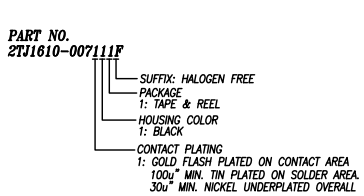
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	EVEN	2019.12.18





Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	565	1.7V~2.6V	10μA max.
Yellow	585	1.7V~2.6V	10μA max.



SPECIFICATION:
1. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
2. GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING:
3. PACKAGE: SEE "2TJ1610-007111F" PACKAGE.
4. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
5. MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
6. ELECTRICAL
- INSULATION RESISTANCE : 500 MOHMS MIN
- DIELECTRIC WITHSTANDING VOLTAGE : 1500 VAC FOR 1 MINUTE
7. DURABILITY TEST RATING
- INSERTION FORCE WITH THE LATCH DEPRESSED :21N MAX
- REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
- DURABILITY :5000 CYCLES
8. OPERATING AND STORAGE TEMPERATURE
- OPERATING TEMPERATURE : -40°C TO +85°C
- STORAGE TEMPERATURE : -40°C TO +85°C

ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :
- 1~100 MHz -1.0dB MAX.

2. RETURN LOSS(LOAD 100Ω:
- 1~30 MHz -18dB MIN
- 30~60 MHz -16dB MIN
- 60~80 MHz -12dB MIN
- 80~100 MHz -10dB MIN

3. COMMON MODE REJECTION
- 1~100 MHz -30dB MIN

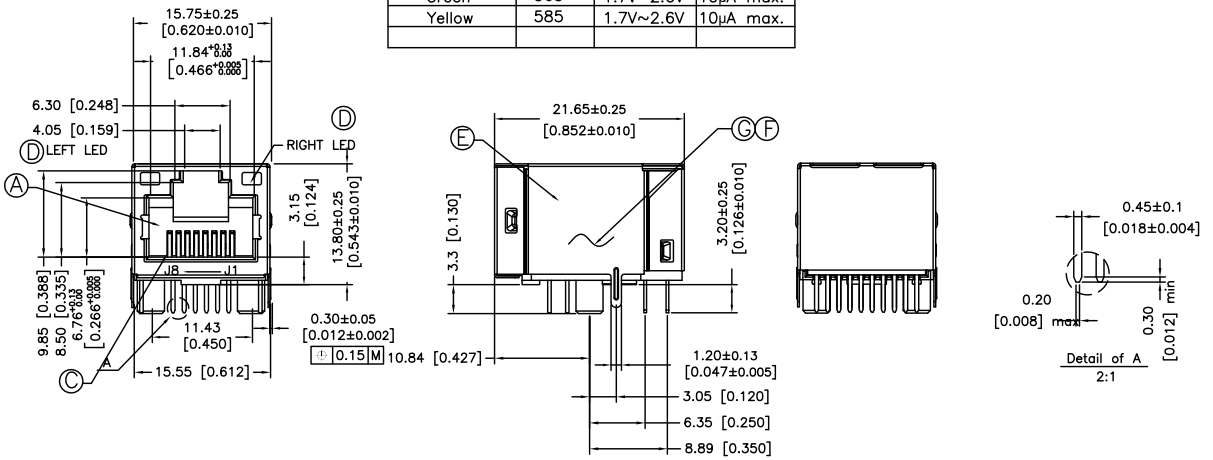
4. CROSS TALK
- 1~100 MHz -30dB MIN

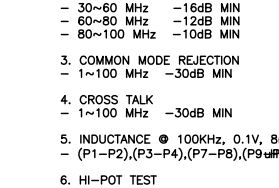
5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
- (P1-P2),(P3-P4),(P7-P8),(P9-P10)MIN: 350

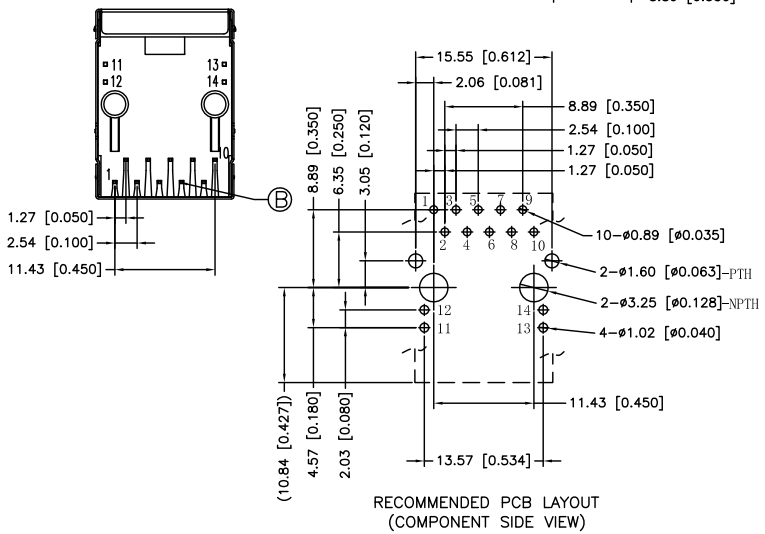
6. HI-POT TEST
- PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S

7. TURNS RATION 100KHz
- (P1-P2) : (J1-J2) = 1:1 ±%3
- (P3-P4) : (J3-J6) = 1:1 ±%3
- (P7-P8) : (J4-J5) = 1:1 ±%3
- (P9-P10) : (J7-J8) = 1:1 ±%3

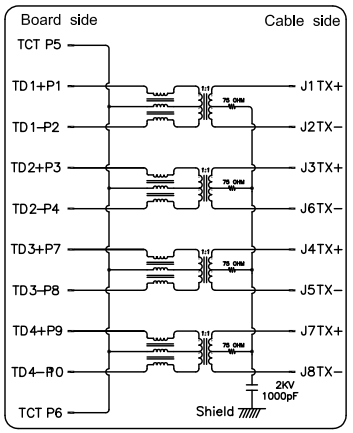
9. OTHER GENERAL SPEC. TO REFER "2TJ1610-007111F SPEC".







RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)



NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
G	PCB	1		
F	CASE	1	LCP UL 94V-0	BLACK
E	SHELL	1	SUS304-1/2H	TIN PLATED ON SOLDER AREA
D	LED	2	LED	GREEN/ YELLOW
C	OUTPUT CONTACT	8	C5210	SEE PART NO.
B	INTPUT CONTACT	10	C2680	TIN PLATED
A	HOUSING	1	LCP UL 94V-0	BLACK

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	RJ45 IMC,1000BASE-T,W/ LED			
DWN	EVEN 2019.12.18	PART NO. 2TJ1610-007111F		
CHKD		SCALE2.5:1	UNIT: mm	
APVD	ANGELA2019.12.18	SIZE: A3	SHEET:1 OF 1	REV:A

CUSTOMER COPY

文件編號: RD-06-043-A