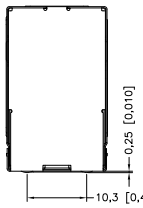
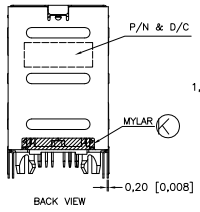
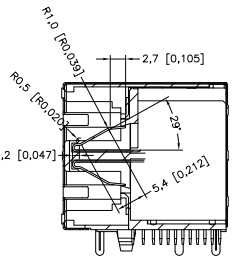
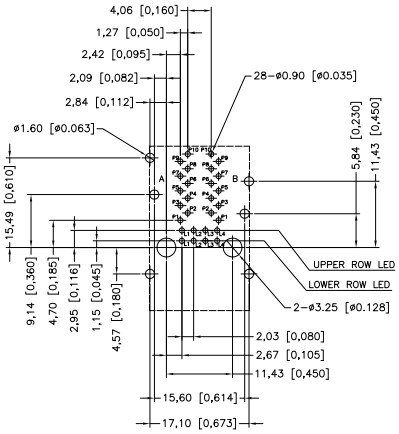
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	EVEN	2017.09.26
B	ECN NO: L202102-001	EVEN	2021.04.06

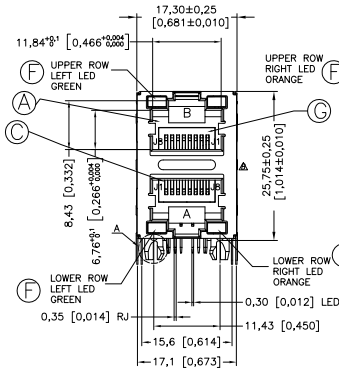


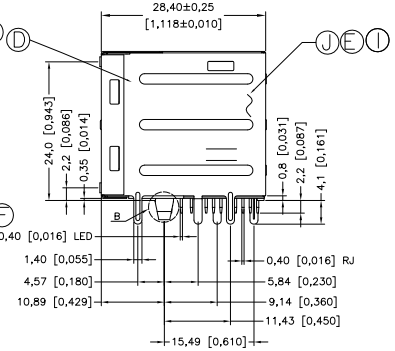


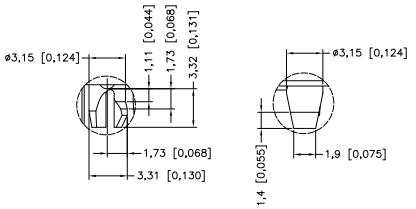


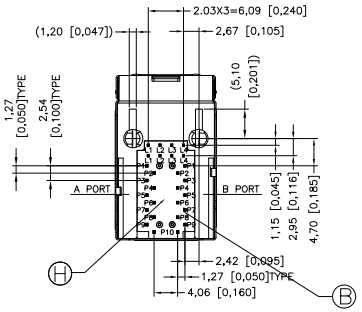


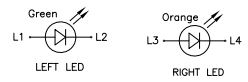
RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)



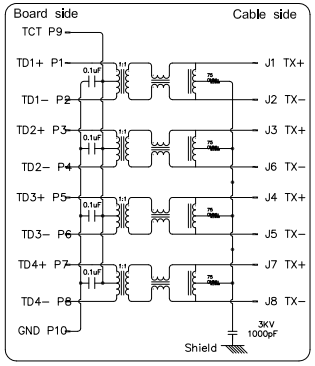








Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	565	1.7V~2.6V	10μA max.
Orange	610	1.7V~2.6V	10μA max.



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. OCL @ 100KHz, 0.1V, 8mA DC BIAS
   - (P1−P2),(P3−P4)(P5−P6),(P7−P8) : 350 uH MIN
6. DCR
   - (J1−J2),(J3−J6)(J4−J5),(J7−J8) : 1.2Ω MAX
7. HI-POT TEST
   - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
8. TURNS RATION 100KHz
   - (P1−P2) : (J1−J2) = 1:1 ±%5
   - (P3−P4) : (J3−J6) = 1:1 ±%5
   - (P5−P6) : (J4−J5) = 1:1 ±%5
   - (P7−P8) : (J7−J8) = 1:1 ±%5

SPECIFICATION:
1. *TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.*
2. *GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING:*
3. *PACKAGE: SEE "2TJ3206-124112F" 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 :22N MAX
   - REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
   - DURABILITY :750 CYCLES
8. OPERATING AND STORAGE TEMPERATURE
   - OPERATING TEMPERATURE : 0°C TO +70°C
   - STORAGE TEMPERATURE : −40°C TO +85°C
9. *OTHER GENERAL SPEC. TO REFER "2TJ3206-124112F SPEC".*

PART NO.
2TJ3206-124112F

- *SUFFIX: HALOGEN FREE*
- *PACKAGE*
  2: TRAY
- *HOUSING COLOR*
  1: BLACK
- *CONTACT PLATING*
  1: Au 30u" ON CONTACT AREA
  100u" MIN TIN PLATED ON SOLDER AREA.
  50u" MIN NICKEL UNDERPLATED OVERALL

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
K	MYLAR	1		YELLOW
J	PCB			
I	SPACER	1	LCP UL 94V-0	BLACK
H	COVER	1	LCP UL 94V-0	BLACK
G	INSERT	1	PA10T UL 94V-0	BLACK
F	LED	4		GREEN/ORANGE
E	CASE	1	LCP UL 94V-0	BLACK
D	SHELL	1	SUS304	TIN PLATED ON SOLDER AREA
C	OUTPUT CONTACT	16	C5210	SEE PART NO.
B	INTPUT CONTACT	20	C2680	TIN PLATED
A	HOUSING	1	PA10T UL 94V-0	BLACK

UNLESS OTHERWISE SPECIFIED TOLERANCES

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

信音科技(香港)有限公司

TITLE	RJ45 IMC,1GBASE-T,LED OPTION		
DWN	EVEN 2021.04.06	PART NO. 2TJ3206-124112F	
CHKD		SCALE2.5:1	UNIT: mm
APVD	ANGELA 2021.04.06	SIZE: A3	SHEET:1 OF 1 REV:B

CUSTOMER COPY

文件編號 7F-02-R013-A