

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	Even	2022.10.17

- SPECIFICATION:**
- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
 - GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING.
 - PACKAGE: SEE "2TJ1671-100111F" PACKAGE.
 - FOR REFLOW SOLDERING LEAD-FREE PROCESS.
 - MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
 - RJ45 SPECIFICATIONS
 - INSULATION RESISTANCE : 500 MOHMS MIN
 - DIELECTRIC WITHSTANDING VOLTAGE : 1500 VAC FOR 1 MINUTE
 - DURABILITY TEST RATING
 - INSERTION FORCE WITH THE LATCH DEPRESSED : 22N MAX
 - REMOVAL FORCE WITH THE LATCH DEPRESSED : 75N MAX
 - DURABILITY : 5000 CYCLES
 - OPERATING AND STORAGE TEMPERATURE
 - OPERATING TEMPERATURE : -40°C TO +100°C
 - STORAGE TEMPERATURE : -40°C TO +100°C
 - OTHER GENERAL SPEC. TO REFER "2TJ1671-100111F SPEC".

ELECTRICAL CHARACTERISTICS :

- INSERTION LOSS :
 - 1~100 MHz -1.0dB MAX.
- RETURN LOSS(LOAD 100Ω) :
 - 1~30 MHz -18dB MIN
 - 30~60 MHz -16dB MIN
 - 60~80 MHz -12dB MIN
 - 80~100 MHz -10dB MIN
- COMMON MODE REJECTION
 - 1~100 MHz -30dB MIN
- CROSS TALK
 - 1~100 MHz -30dB MIN
- INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
 - (P1-P2),(P3-P4),(P7-P8),(P9-P10) : 350 uH MIN
- HI-POT TEST
 - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
- 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

F	PCB	1		
E	CASE	1	LCP UL 94V-0	BLACK
D	SHELL	1	SUS 304	NICKEL 30u" MIN.
C	OUTPUT CONTACT	8	C5210	SEE PART NO.
B	INPUT CONTACT	10	C2680	TIN PLATED
A	HOUSING	1	LCP UL 94V-0	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

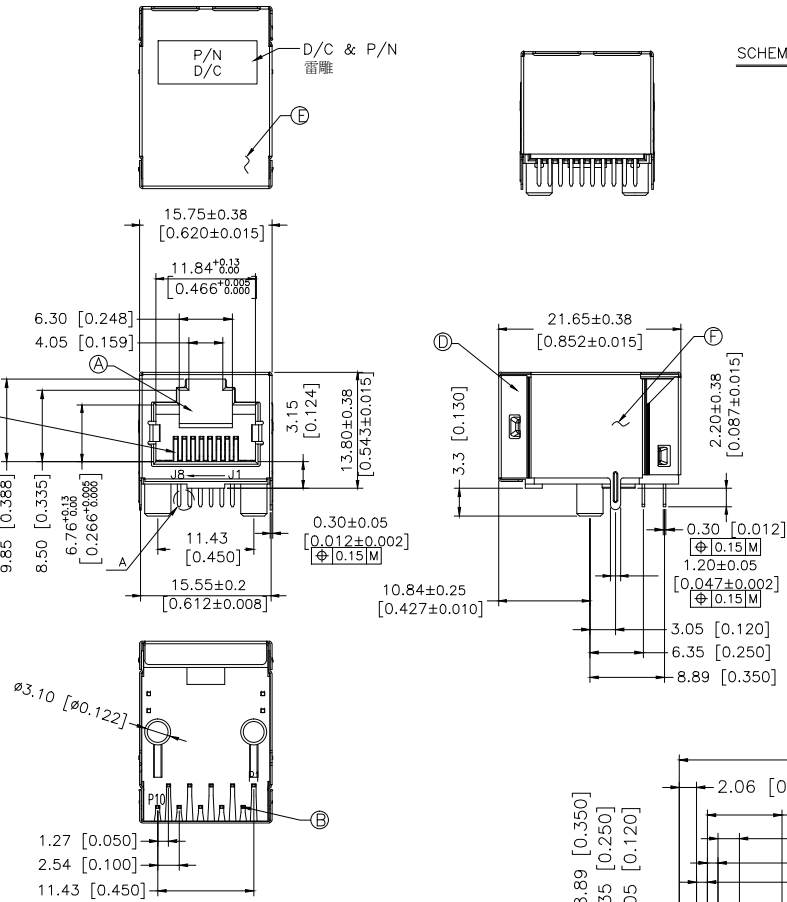
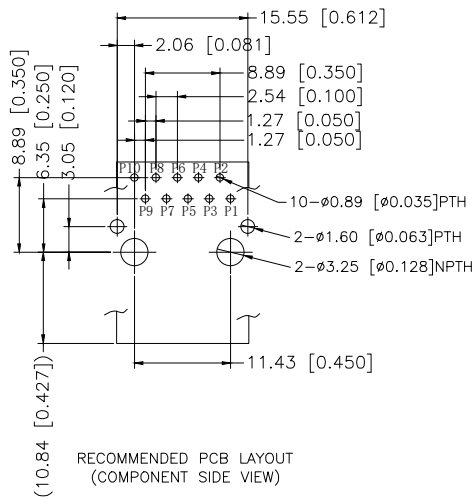
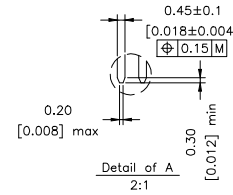
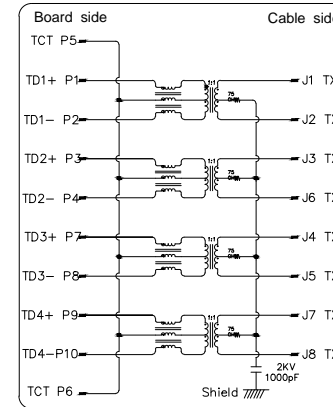
UNLESS OTHERWISE SPECIFIED TOLERANCES



信音科技(香港)有限公司

DECIMALS:	ANGLES:	TITLE	RJ45 IMC,1000BASE-T,W/O LED		
X : ±0.5	X : ±2°	DWN	EVEN 2022.10.17	PART NO. 2TJ1671-100111F	
X.X : ±0.3	X.X : ±1°	CHKD		SCALE 2.5:1	UNIT: mm
X.XX : ±0.2		APVD	2022.10.17	SIZE: A3	SHEET: 1 OF 1
				REV: A	
				CUSTOMER COPY	

SCHEMATIC FOR RJ45:



PART NO.
2TJ1671-100111F

- SUFFIX: HALOGEN FREE
- PACKAGE
- 1: TAPE
- HOUSING COLOR
- 1: BLACK
- CONTACT PLATING
- 1: 30u" GOLD ON CONTACT AREA
- 100u" MIN TIN PLATED ON SOLDER AREA.
- 30u" MIN NICKEL UNDERPLATED OVERALL