

REV.	ECN NO	OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	EVEN	2017.09.11	

PART NO.  
2TJ1624-001111H

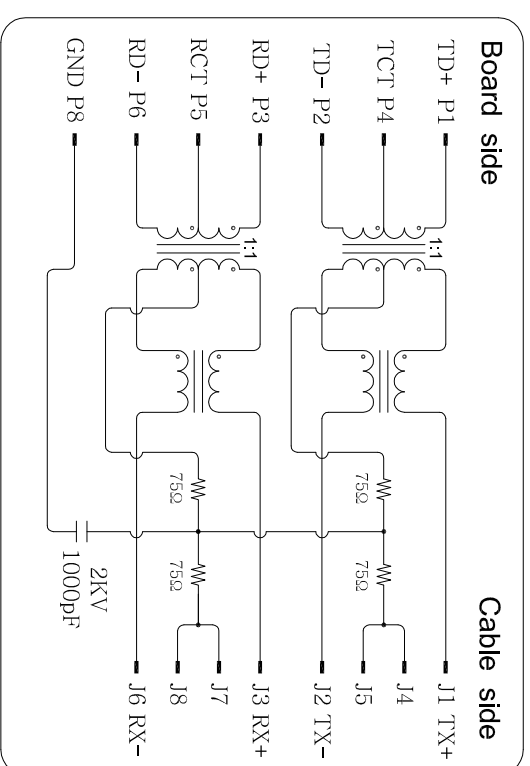
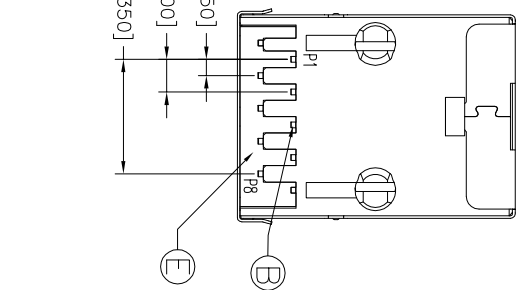
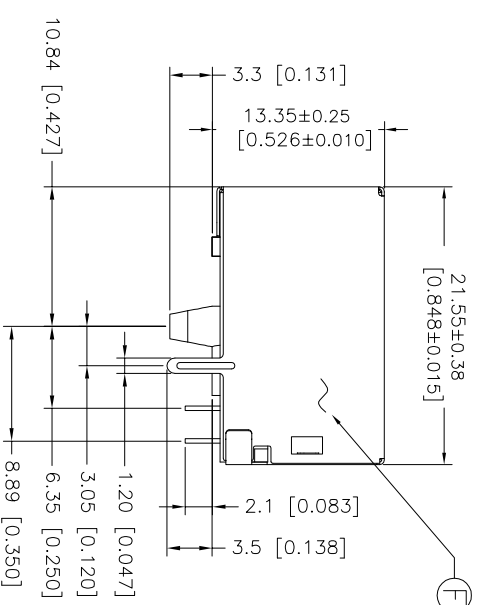
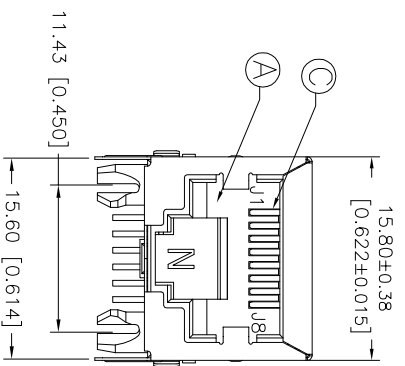
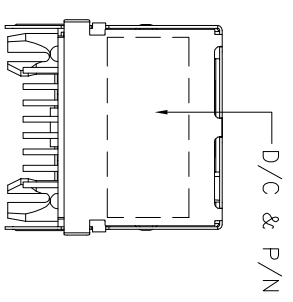
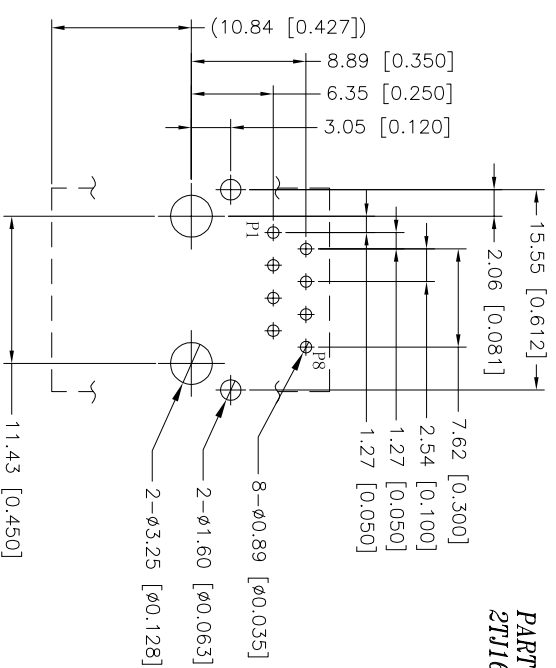
- SUFFIX: HALOGEN
- PACKAGE
- 1: TRAY
- HOUSING COLOR
- 1: BLACK
- CONTACT PLATING
- 1: GOLD 30u" ON CONTACT AREA
- 100u" Min. TIN PLATED ON SOLDER AREA.
- 30u" Min. NICKEL UNDERPLATED OVERALL

- SPECIFICATION:
- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
  - GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: **G.P. PASS**
  - PACKAGE: SEE "2TJ1624-001111H" PACKAGE.
  - FOR WAVE SOLDERING LEAD-FREE PROCESS.
  - MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
  - ELECTRICAL
    - 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 : 44N MAX
    - DURABILITY : 750 CYCLES
  - OPERATING AND STORAGE TEMPERATURE
    - OPERATING TEMPERATURE : -40°C TO +85°C
    - STORAGE TEMPERATURE : -40°C TO +85°C

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
- COMMON MODE REJECTION
  - 1~100 MHz -30dB MIN
- GROSS TALK
  - 1~100 MHz -30dB MIN
- INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
  - (P1-P2),(P3-P6) : 350 uH MIN
- DCR
  - (J1-J2),(J3-J6) : 1.2 OHM MAX
- HI-POT TEST
  - BOARD SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
- TURNS RATION 100KHz
  - (P1-P2) : (J1-J2) = 1:1 ±%3
  - (P3-P6) : (J3-J6) = 1:1 ±%3
- OTHER GENERAL SPEC. TO REFER "2TJ1624-001111H SPEC".

RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE VIEW)



F	PCB	1	LCP UL 94V-0	BLACK
E	CASE	1	STAINLESS STEEL	TIN PLATED ON SOLDER AREA
D	SHELL	8	COPPER ALLOY	SEE PART NO.
C	OUTPUT CONTACT	8	COPPER ALLOY	TIN PLATED
B	INPUT CONTACT	1	LCP UL 94V-0	BLACK
A	HOUSING	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

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

TITLE R145, 10/100 BASE-1, W/SIELD, DIP TYPE

DWN EN 2017.09.11 PART NO. 2TJ1624-001111H

CHKD MNGR 2017.09.11 SCALE 2.5:1 UNIT: mm

APVD MNGR 2017.09.11 SIZE: A3 SHEET: 1 OF 1 REV: A

CUSTOMER COPY

1 2 3 4 5 6 7 8