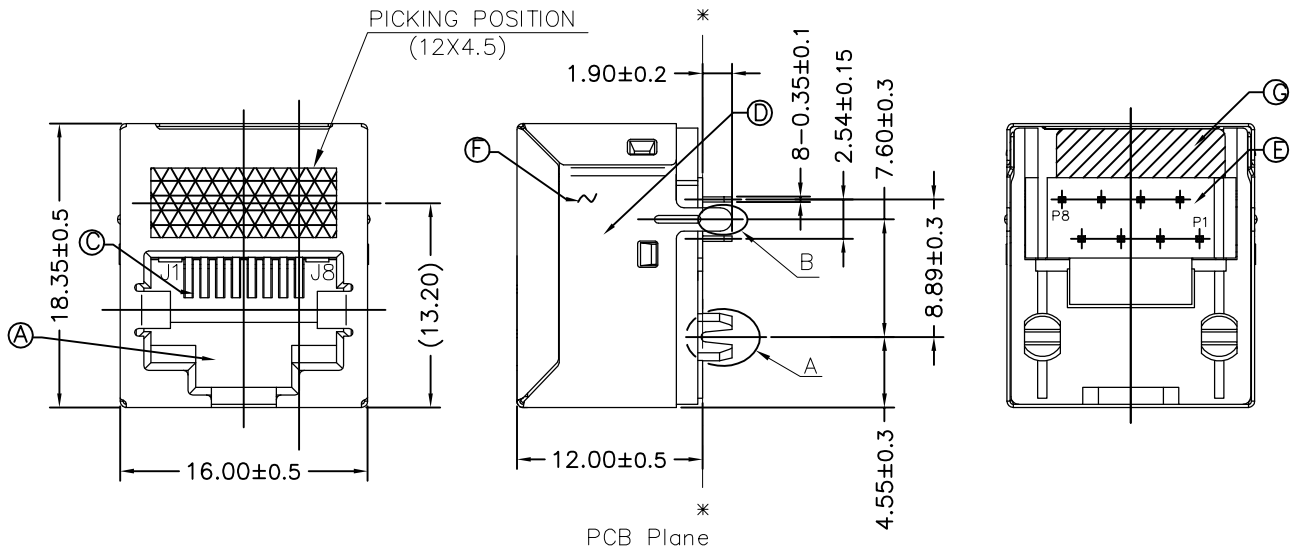
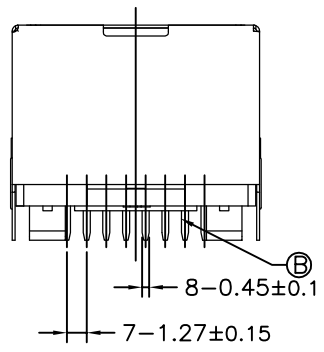
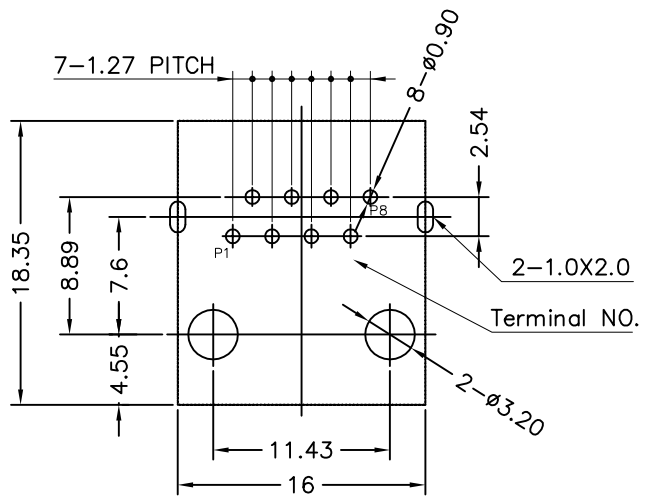
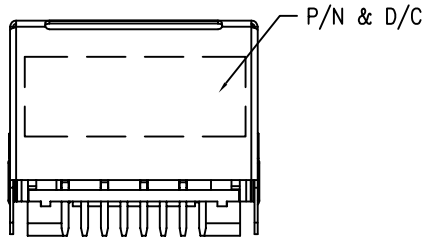
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	Even	2016.11.18

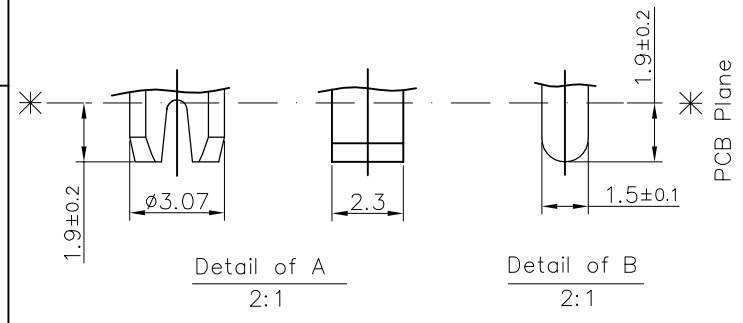


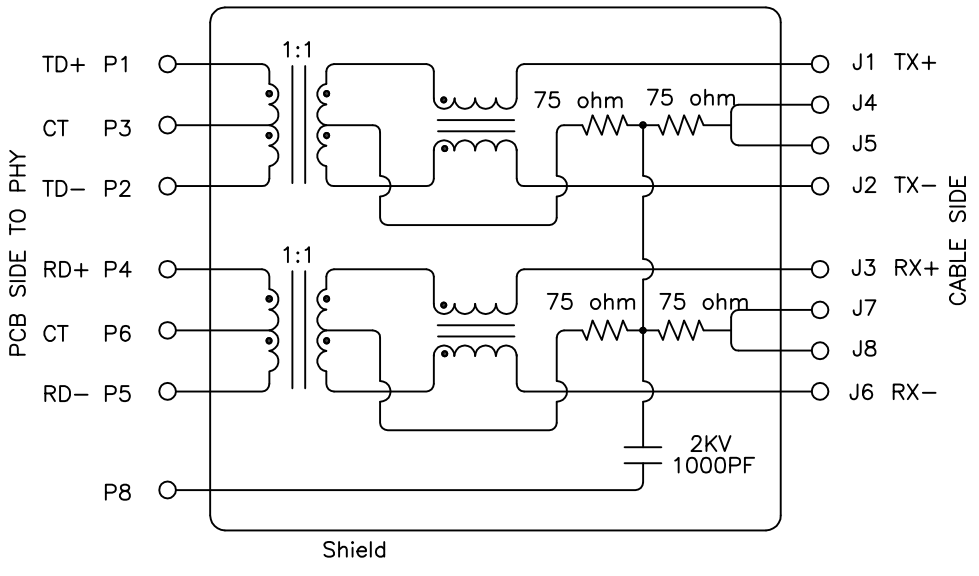




PCB HOLES(TOP VIEW) t=1.2mm
NOTE: GENERAL TOLERANCE: ±0.05mm







ELECTRICAL CHARACTERISTICS :

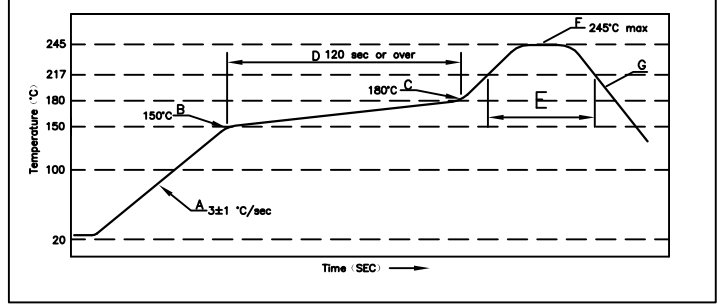
1. INSERTION LOSS :
   - 1~100 MHz −1.0dB MAX.
2. RETURN LOSS(LOAD 100Ω) :
   - 1~30 MHz −18dB MIN
   - 30~60 MHz −16dB MIN
   - 60~80 MHz −12dB MIN
3. COMMON MODE REJECTION
   - 1~100 MHz −30dB MIN
4. CROSS TALK
   - 1~100 MHz −30dB MIN
5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
   - (P1−P2),(P4−P5) : 350 uH MIN
6. DCR
   - (J1−J2),(J3−J6) : 1.2 Ohm MAX
7. HI−POT TEST
   - P1−P2 TO J1−J2 : 1500VAC 60S OR 2250VDC 60S
   - P4−P5 TO J3−J6 : 1500VAC 60S OR 2250VDC 60S
8. TURNS RATION 100KHz
   - (P1−P2) : (J1−J2) = 1:1 ±%3
   - (P4−P5) : (J3−J6) = 1:1 ±%3

SPECIFICATION:

1. *TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.*
2. *GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING:* **G.P. PASS**
3. *PACKAGE: SEE "2TJ1637−000111H" PACKAGE.*
4. *MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.*
5. ELECTRICAL
   - INSULATION RESISTANCE : 500 MOHMS MIN
   - DIELECTRIC WITHSTANDING VOLTAGE : 1500 VAC FOR 1 MINUTE
6. RJ45
   - INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX
   - REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
   - DURABILITY :750 CYCLES
7. OPERATING AND STORAGE TEMPERATURE
   - OPERATING TEMPERATURE : 0°C TO +70°C
   - STORAGE TEMPERATURE : −40°C TO +85°C
8. TEMPERATURE CONDITION OF REFLOW SOLDERING:

Contents	Soldering Condition
A: Increasing speed	3±1 °C/sec
B: Pre-heat starting speed	150°C
C: Pre-heat ending speed	180°C
D: Pre-heat interval	120 sec or over
E: Over 217°C time	60~150sec
F: Peak Temperature	245°C max
G: Ramp down rate	6°C/sec max

Note:
Type of lead-free solder should be 96.5Sn−3.0Ag−0.5Cu or 99.3Sn−0.7Cu.



9. *OTHER GENERAL SPEC. TO REFER "2TJ1637−000111H SPEC".*

PART NO.
2TJ1637−000111H

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

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
G	CASE	1	PF 151 UL 94V−0	BLACK
F	PCB	1		
E	SPACER	1	PA9T UL 94V−0	BLACK
D	SHELL	1	BRASS	NICKEL
C	OUTPUT CONTACT	8	COPPER ALLOY	SEE PART NO.
B	INTPUT CONTACT	10	COPPER ALLOY	TIN PLATED
A	HOUSING	1	PA9T 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°

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

TITLE	RJ45 IMC,100BASE−T		
DWN	EVEN2016.11.18	PART NO. 2TJ1637−000111H	
CHKD	ANGELA2016.11.18	SCALE2.5:1	UNIT: mm
APVD	ANGELA2016.11.18	SIZE: A3	SHEET:1 OF 1 REV: A

CUSTOMER COPY

文件編號 RD-06-043-A