

| REV. | ECN NO OR DESCRIPTION | REVISED | DATE       |
|------|-----------------------|---------|------------|
| A    | PDR RELEASE           | IVY-C   | 2015.11.18 |

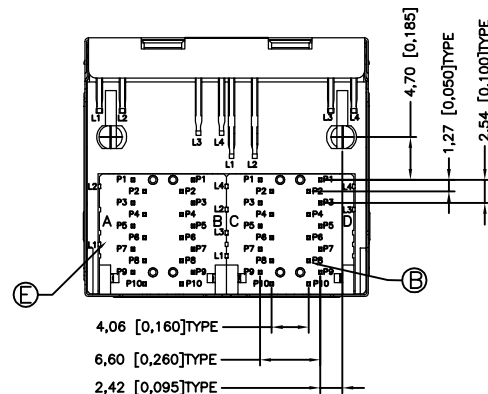
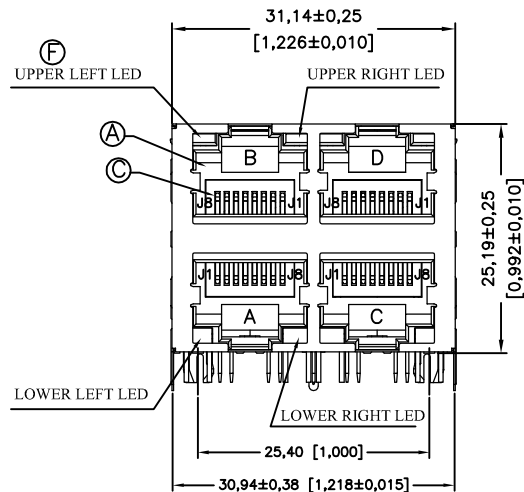
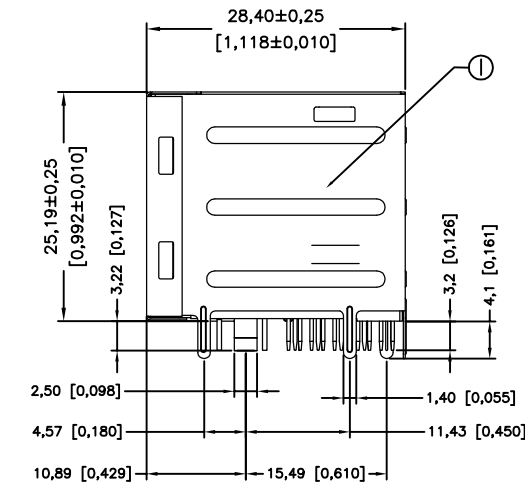
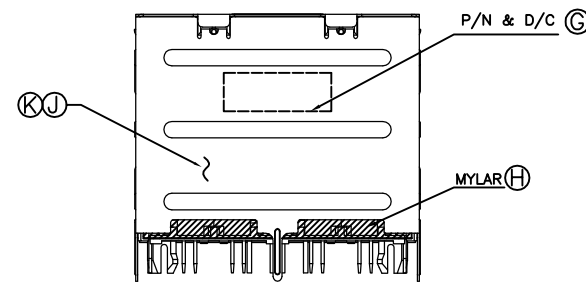
# SPECIFICATION:

- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: **G.P. PASS**
- PACKAGE: SEE "2TJ1620 SERIES" PACKAGE.
- FOR REFLOW 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 : 0°C TO +70°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 -21dB MIN
  - 30~60 MHz -19dB MIN
  - 60~80 MHz -15dB MIN
  - 80~100 MHz -13dB MIN
- COMMON MODE REJECTION
  - 1~100 MHz -30dB MIN
- CROSS TALK
  - 1~100 MHz -30dB MIN
- OCL @ 100KHz, 0.1V, 8mA DC BIAS
  - (P1-P2),(P3-P4),(P5-P6),(P7-P8) : 350 uH MIN
- DCR
  - (J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2Ω MAX
- HI-POT TEST
  - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
- URNS 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
- SURGE PROTECTION
  - LINE TO GND : 4KV(10~700us)
- OTHER GENERAL SPEC. TO REFER "2TJ1620 SERIES SPEC".

|                                       |                |                                                                                                                                    |                          |                                                                                                    |
|---------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------|
| K                                     | PCB            | 4                                                                                                                                  |                          |                                                                                                    |
| J                                     | INSERT MOLD    | 4                                                                                                                                  | LCP UL 94V-0             | BLACK                                                                                              |
| I                                     | BACK SHELL     | 1                                                                                                                                  | STAINLESS STEEL          | TIN PLATED ON SOLDER AREA                                                                          |
| H                                     | MYLAR          |                                                                                                                                    |                          | YELLOW                                                                                             |
| G                                     | INK            | -                                                                                                                                  |                          | BLACK                                                                                              |
| F                                     | LED            | 8                                                                                                                                  |                          | GREEN/ORANGE  |
| E                                     | BASE           | 1                                                                                                                                  | LCP UL 94V-0             | BLACK                                                                                              |
| D                                     | FRONT SHELL    | 1                                                                                                                                  | STAINLESS STEEL          |                                                                                                    |
| C                                     | OUTPUT CONTACT | 32                                                                                                                                 | COPPER ALLOY             | SEE PART NO.                                                                                       |
| B                                     | INTPUT CONTACT | 40                                                                                                                                 | COPPER ALLOY             | TIN PLATED                                                                                         |
| A                                     | HOUSING        | 1                                                                                                                                  | PA-10T UL 94V-0          | BLACK                                                                                              |
| NO                                    | DESCRIPTION    | QTY                                                                                                                                | MATERIAL                 | PLATING & COLOR                                                                                    |
| UNLESS OTHERWISE SPECIFIED TOLERANCES |                |  Singatron Enterprise Co., Ltd.<br>信音企業股份有限公司 |                          |                                                                                                    |
| DECIMALS:      ANGLES:                |                | TITLE                                                                                                                              |                          |                                                                                                    |
| X      :±0.5                          | X      :±2°    | 2x2 RJ45, W/MAGNETIC, R/A, W/SHIELD, DIP TYPE                                                                                      | DWN                      |                                                                                                    |
| X.X    :±0.3                          | X.X    :±1°    | MY-C 2015.11.18                                                                                                                    | PART NO. 2TJ1620-000111H |                                                                                                    |
| X.XX   :±0.2                          |                | ANGELA2015.11.18                                                                                                                   | SCALE 2.5:1              | UNIT: mm                                                                                           |
|                                       |                | APVD                                                                                                                               | ANGELA2015.11.18         | SIZE: A3                                                                                           |
|                                       |                |                                                                                                                                    |                          | SHEET: 1 OF 2                                                                                      |
|                                       |                |                                                                                                                                    |                          | REV: A                                                                                             |
| CUSTOMER COPY                         |                |                                                                                                                                    |                          |                                                                                                    |



PART NO.  
2TJ1620-000111H

SUFFIX: HALOGEN  
PACKAGE  
1: TRAY  
HOUSING COLOR  
1: BLACK  
CONTACT PLATING  
1: GOLD 30u" ON CONTACT AREA  
100u" TIN PLATED ON SOLDER AREA.  
50~100u" NICKEL UNDERPLATED OVERALL