

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	IVY-C	2014.09.09


**PART NO.**  
**2TJ1600-000111F**

SUFFIX: HALOGEN FREE  
PACKAGE  
1: TRAY  
HOUSING COLOR  
1: BLACK

CONTACT PLATING



1: GOLD FLASH PLATED ON CONTACT AREA  
TIN PLATED ON SOLDER AREA.  
NICKEL UNDERPLATED OVERALL

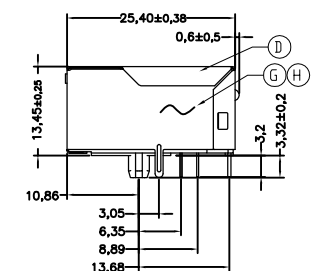
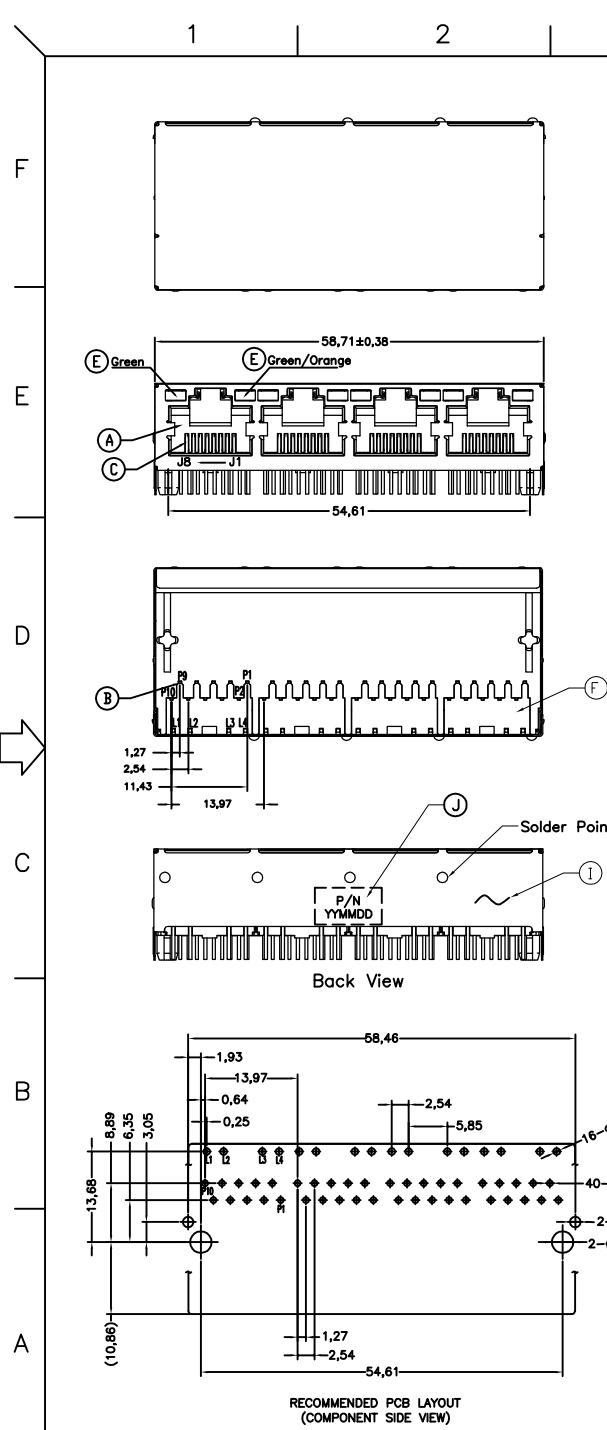
**SPECIFICATION:**

- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: 
- PACKAGE: SEE "2TJ1600 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 -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
- OCL @ 100KHz, 0.1V, 8mA DC BIAS
  - (P1-P2),(P3-P4),(P7-P8),(P9-P10) : 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
- TURNS RATION 100KHz
  - (P1-P2) : (J2-J1) = 1:1 ±5%
  - (P3-P4) : (J6-J3) = 1:1 ±5%
  - (P7-P8) : (J5-J4) = 1:1 ±5%
  - (P9-P10) : (J8-J7) = 1:1 ±5%
- OTHER GENERAL SPEC. TO REFER "2TJ1600 SERIES SPEC".

J	INK		BLACK COLOR
I	MYLAR	1	YELLOW COLOR
H	INSERT MOLD	4	LCP UL 94V-0 BLACK COLOR
G	PCB	4	
F	BASE	4	PA-10T UL 94V-0 BLACK COLOR
E	LED	8	GREEN/GREEN;ORANGE
D	SHELL	1	STAINLESS TIN PLATED ON SOLDER AREA
C	OUTPUT CONTACT	32	COPPER ALLOY SEE PART NO.
B	INTPUT CONTACT	40	COPPER ALLOY TIN PLATING
A	HOUSING	1	PA-10T UL 94V-0 BLACK
NO	DESCRIPTION	QTY	MATERIAL PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES		 Singatron Enterprise Co., Ltd.  信音企業股份有限公司	
DECIMALS:	ANGLES:	TITLE RJ45 w/ Transformer, w/ LED	
X : ±0.5	X : ±2°	DWN	NY-C 2014.09.09 PART NO. 2TJ1600-000111F
X.X : ±0.3	X.X : ±1°	CHKD	SCALE:N/A UNIT: mm
X.XX : ±0.2		APVD	ANGELA/2014.09.09 SIZE: A3 SHEET:1 OF 1 REV: A
<b>CUSTOMER COPY</b>			



Green	L1	L2	Green	L3	L4
LEFT LED			RIGHT LED		
Orange			Orange		

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

