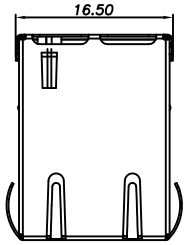
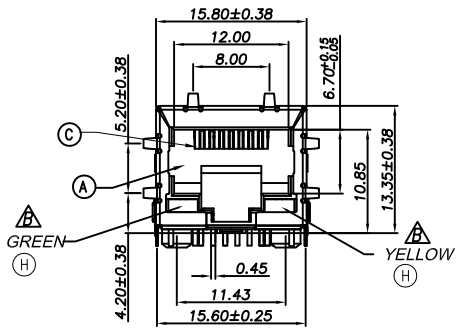
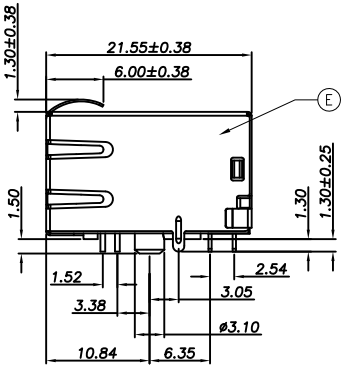
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	IVY-C	2014.07.29
B	ECN NO: L140160	IVY-C	2014.12.18

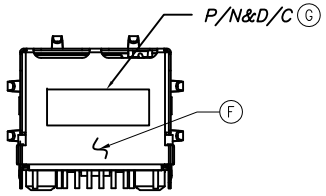


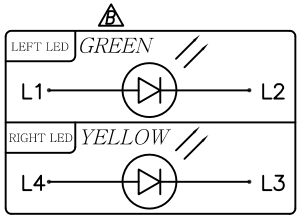
PART NO.
2TJ1575-011X12F

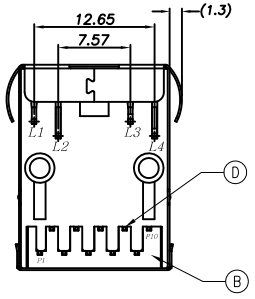
- **SUFFIX: HALOGEN FREE**
- **PACKAGE**
  2: TAPE/REEL
- **HOUSING COLOR**
  1: BLACK
- **CONTACT PLATING**
  2: GOLD FLASH ON CONTACT AREA; TIN PLATED ON SOLDER AREA
  3: Au 30u" ON CONTACT AREA; TIN PLATED ON SOLDER AREA
- **SHELL & CONTACT Tail**
  1: 1.3mm
- **LED CODE**
  0: L:GREEN / R:YELLOW

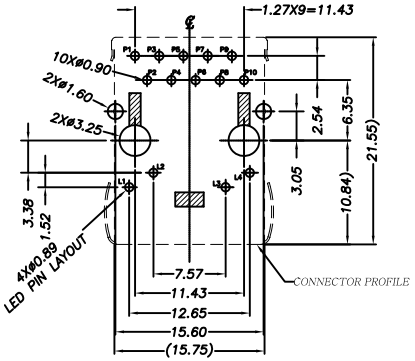






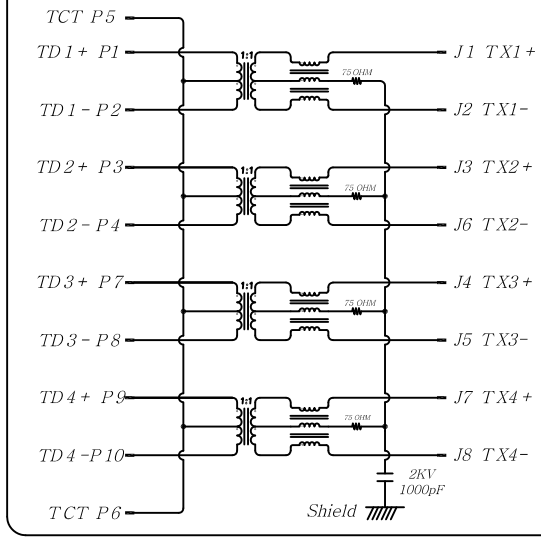






RECOMMENDED PCB LAYOUT
COMPONENT SIDE
ALL DIMENSION TOLERANCE ARE ±0.05mm
UNLESS OTHERWISE SPECIFIED

Schematics:



SPECIFICATIONS:
1. ELECTRICAL CHARACTERISTICS:
Test Notes:(25±5°C)
1-1.TR:(100KHz,0.1V);
Pins:(P1,P2):(J1,J2)=1:1±3%;(P3,P4):(J3,J6)=1:1±3%
Pins:(P7,P8):(J4,J5)=1:1±3%;(P9,P10):(J7,J8)=1:1±3%
1-2.LX:(100KHz,100mV,8mA, DC Bias)
Pins:(P1,P2),(P3,P4),(P7,P8),(P9,P10)=350uH Minimum
1-3.DCR:
Pins:(J1-J2),(J3-J6),(J4,J5),(J7,J8)=1.2 ohm Maximum
1-4.HIPOT:
Pins:(P1,P2)To(J1,J2),(P3,P4)To(J3,J6)=1500VAC 60s or 2250VDC 60s
Pins:(P7,P8)To(J4,J5),(P9,P10)To(J7,J8)=1500VAC 60s or 2250VDC 60s
1-5.INSERTION LOSS:
-1dB Maximum At 1MHz To 100MHz;
1-6.RETURN LOSS:
-18dB Minimum At 1MHz To 30MHz Load 100ohm;
-16dB Minimum At 30MHz To 60MHz Load 100ohm;
-12dB Minimum At 60MHz To 80MHz Load 100ohm;
-10dB Minimum At 80MHz To 100MHz Load 100ohm;
1-7.CROSS TALK:
-30dB Minimum At 1MHz To 100MHz
1-8.COMMON TO COMMON MODE REJECTION:
-30dB Minimum At 1MHz To 100MHz

2. LIFE TEST: 750 CYCLES.
3. OPERATING TEMPERATURE: -40°C TO +85°C.
4. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
5. GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING:
6. PACKAGE: SEE "2TJ1575-011X12F" PACKAGE.
7. FOR WAVE SOLDERING LEAD-FREE PROCESS.
8. MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
9. OTHER GENERAL SPEC. TO REFER "2TJ1575-011X12F SPEC".

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
H	LED	2	LED	YELLOW/GREEN ⚠1
G	INK	-	INK	BLACK
F	PCB	1		
E	SHELL	1	STAINLESS STEEL	NICKEL PLATED OVERALL. TIN PLATED ON SOLDER AREA
D	INPUT CONTACT	10	COPPER ALLOY	TIN PLATED
C	OUTPUT CONTACT	8	COPPER ALLOY	SEE PART NO.
B	BASE	1	HIGH TEMP THERMOPLASTIC , UL 94V-0	BLACK COLOR
A	HOUSING	1	HIGH TEMP THERMOPLASTIC , UL 94V-0	BLACK 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	RJ45 JACK, W/LED, W/MAGNETIC, W/SHIELD, R/A, DIP TYPE			
DWN	IVY-C 2014.12.18	**PART NO. 2TJ1575-011X12F**		
CHKD		SCALE:1.8/1	UNIT: mm	
APVD	ANGELA2014.12.18	SIZE: A3	SHEET:1 OF 1	**REV: B**

CUSTOMER COPY

文件編號 RD-06-043-A