

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	IVY-C	2015.06.08
B	ECN NO: L170003	IVY-C	2017.02.06

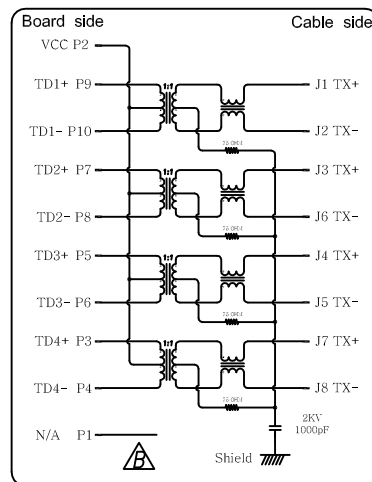
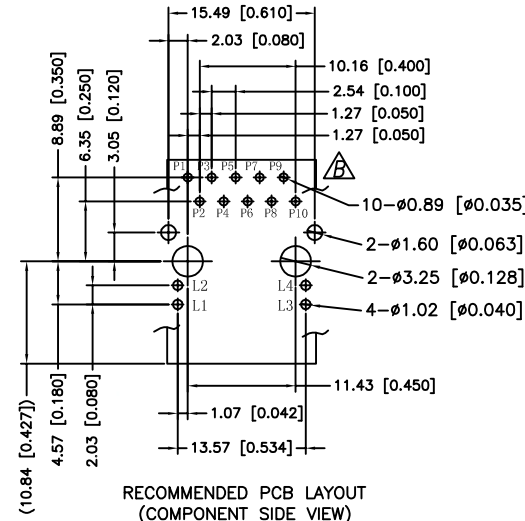
SPECIFICATION:

- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING:
- PACKAGE: SEE "2TJ1614 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 : -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 100 Ω) :
 - 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
- INDUCTANCE $\odot$ 100kHz, 0.1V, 8mA DC BIAS
 - (P3-P4),(P5-P6),(P7-P8),(P9-P10) : 350 μ H MIN
- DCR
 - (J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2 Ohm MAX
- HI-POT TEST
 - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
- URNS RATION 100kHz
 - (P9-P10) : (J1-J2) = 1:1 $\pm$ 5%
 - (P7-P8) : (J3-J6) = 1:1 $\pm$ 5%
 - (P5-P6) : (J4-J5) = 1:1 $\pm$ 5%
 - (P3-P4) : (J7-J8) = 1:1 $\pm$ 5%
- OTHER GENERAL SPEC. TO REFER "2TJ1614 SERIES SPEC".

Green		Orange	
L2		L3	
LEFT LED		RIGHT LED	
Emitting Color	λ_p (nm)	V_f @ $I_f=20mA$	I_r @ $V_r=5V$
Green	565	1.7V~2.6V	10 μ A max.
Yellow	585	1.7V~2.6V	10 μ A max.
Orange	610	1.7V~2.6V	10 μ A max.



PART NO.
2TJ1614-000111F

- SUFFIX: HALOGEN FREE
- PACKAGE 1: TRAY
- HOUSING COLOR 1: BLACK
- CONTACT PLATING 1: GOLD FLASH PLATED ON CONTACT AREA 100 μ " TIN PLATED ON SOLDER AREA 50~100 μ " NICKEL UNDERPLATED OVERALL

I	PCB	1		
H	INSERT MOLD	1	LCP UL 94V-0	BLACK
G	INK	-		BLACK
F	BASE	2	LCP UL 94V-0	BLACK
E	SHELL	1	STAINLESS STEEL	TIN PLATED ON SOLDER AREA
D	LED	2	LED	GREEN/ GREEN/ORANGE
C	OUTPUT CONTACT	8	COPPER ALLOY	SEE PART NO.
B	INTPUT CONTACT	10	COPPER ALLOY	TIN PLATED
A	HOUSING	1	PA10T 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/LED R/A, W/SHIELD, DIP TYPE	
X	: $\pm$ 0.5	X	: $\pm$ 2°	DWN MY-C 2017.02.06 PART NO. 2TJ1614-000111F
X.X	: $\pm$ 0.3	X.X	: $\pm$ 1°	CHKD ANGELA2017.02.06 SCALE2.5:1 UNIT: mm
X.XX	: $\pm$ 0.2			APVD ANGELA2017.02.06 SIZE: A3 SHEET:1 OF 1 REV: B
CUSTOMER COPY				