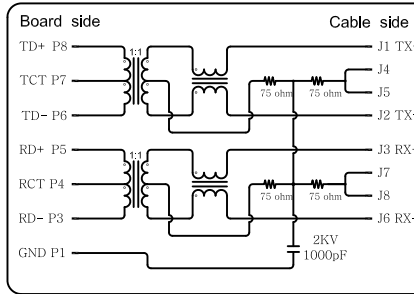


SCHEMATIC FOR RJ45:



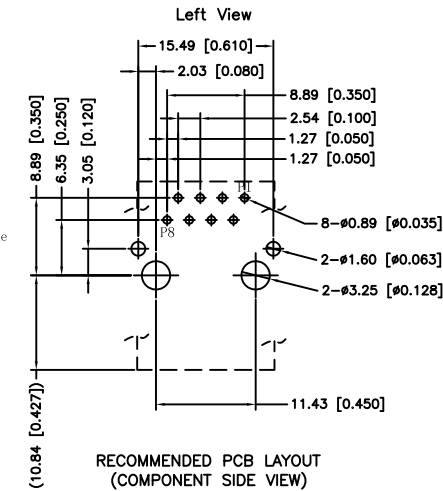
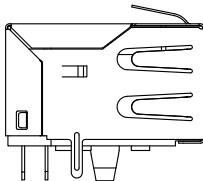
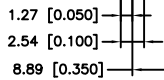
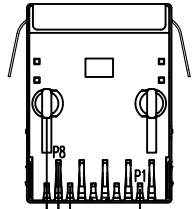
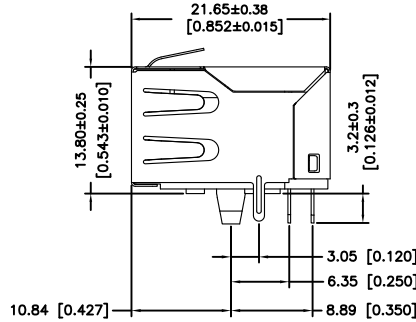
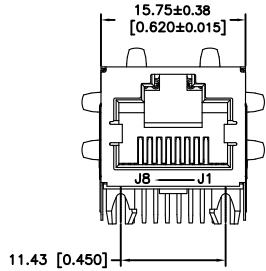
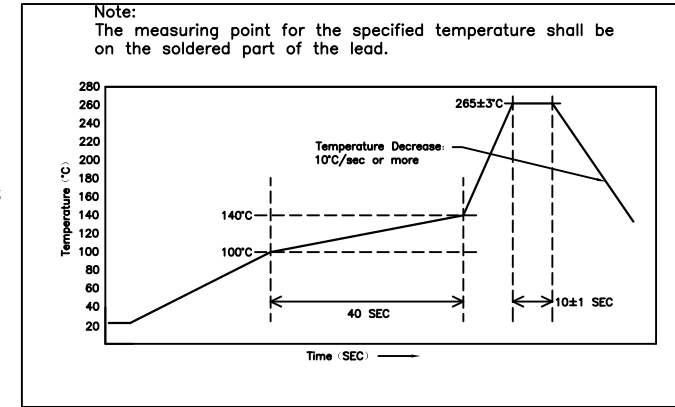
SPECIFICATIONS :

- MATERIAL**
 - HOUSING : THERMOPLASTIC, PBT+30%GF, UL 94V-0, BLACK,HSF
 - MOLDING : HIGH TEMPERATURE THERMOPLASTIC, LCP, UL 94V-0, BLACK,HSF
 - RJ CONTACTS : PHOSPHOR BRONZE, C5210
 - PLATING : SELECT GOLD ON CONTACT AREA (SEE PART NO), 100U" MIN TIN PLATING ON SOLDER TAILS, 30U"MIN NICKEL OVERALL
 - SOLDER TAIL TERMINAL : BRASS, C2680
 - PLATING : 100U" TIN MIN OVER 50U" NICKEL OVERALL
 - SHIELD : STAINLESS, SUS304,THICKNESS=0.2MM, PRE-SOLDERING
- 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
- COMMON MODE REJECTION**
 - 1~100 MHz -30dB MIN
- CROSS TALK**
 - 1~100 MHz -30dB MIN
- INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS**
 - (P8-P6),(P5-P3) : 350 uH MIN
- DCR**
 - (J1-J2),(J3-J6) : 1.2 Ohm MAX
- HI-POT TEST**
 - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
- TURNS RATION 100KHz**
 - (P8-P6) : (J1-J2) = 1:1 ±%3
 - (P5-P3) : (J3-J6) = 1:1 ±%3

5. TEMPERATURE CONDITION OF WAVE SOLDERING:



PART NO : 2TJ912-0374050011

Series Code: _____ Package Code: **1: Tray**

Environmental Code: **0: ROHS** Plating Code: **1: Gold Flash**

Mechanical Code: **37: With All Spring**

Schematic Code: **405: 405 Circuit**

LED Code: **00 : Without LED**

HSF COMPLIANT

21-Jul-17

GENERAL TOLERANCE

.X± 0.20	X.± 1'
.XX± 0.10	.X'± 0.5'
.XXX±	

Singatron Enterprise Co., Ltd.

TITLE	RJ45 IMC, 100BASE-T, W/O LED			
DWN	Tony Zheng	PART NO. 2TJ912-0374050011		
CHKD	Herry	SCALE 1:1	UNIT: mm	
APVD	Herry	SIZE: A3	SHEET: 1 OF 1	REV: A
CUSTOMER COPY				