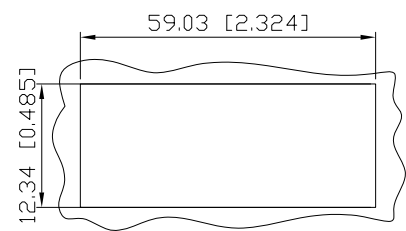
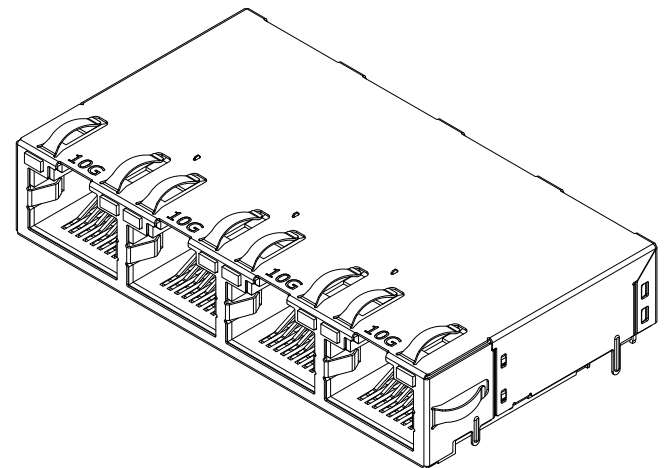
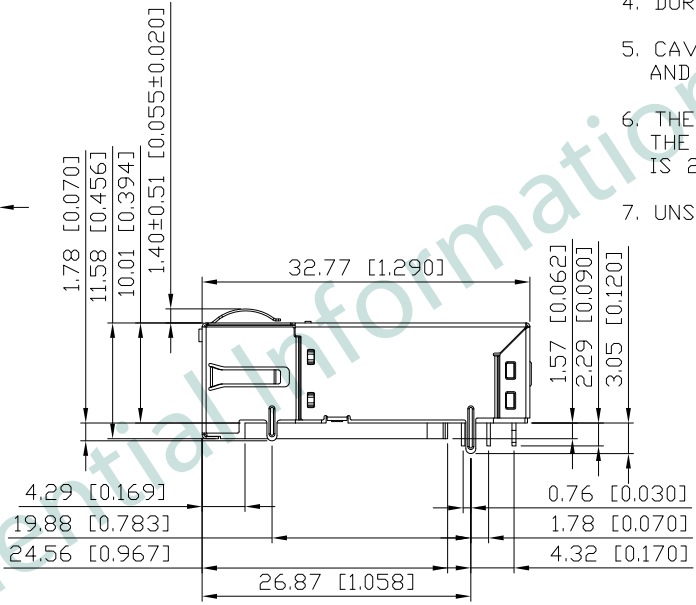
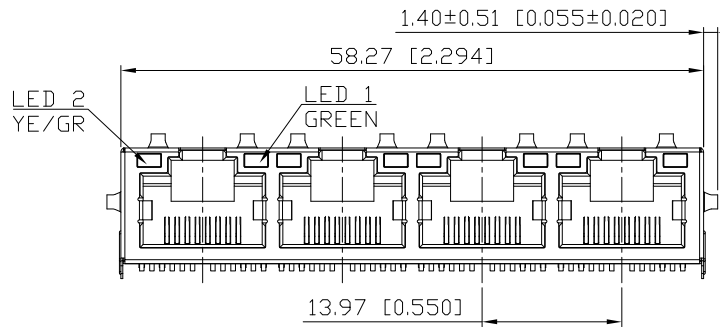
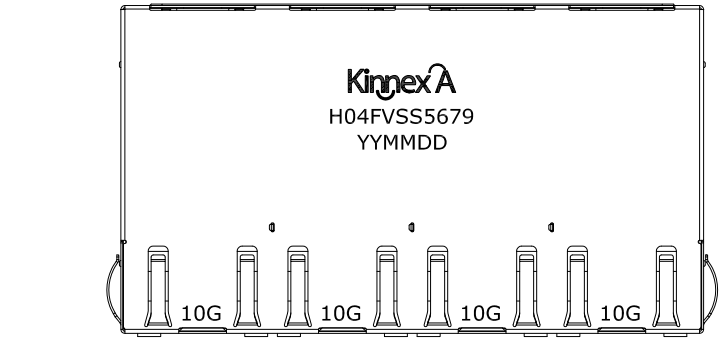


1. MECHANICAL DIMENSIONS : \triangle 04

REV.	DATE	DESCRIPTION
04	Jun. 26, '19	CHANGE DESIGN
03	Dec. 18, '18	1. UPDATE NOTE NO.3 & LED SPECIFICATION 2. DELETE PLUG VIEW
02	Dec. 05, '18	UPDATE LED SPECIFICATION

- NOTES:
- MATERIAL:
HOUSING: HIGH THERMOPLASTIC, UL94V-0, BLACK
CONTACTS: PHOS-BRONZE,
50 μ " GOLD PLATING ON CONTACT AREA,
NICKEL UNDERPLATING OVERALL
SHIELD: COPPER ALLOY, NICKEL PLATING
 - OPERATING TEMPERATURE: 0°C~+70°C
 - MATING FORCE: 4 POUNDS MAX.
UNMATING FORCE: 4 POUNDS MAX.
 - DURABILITY: 750 MATING CYCLED MIN.
 - CAVITY CONFORMS TO FCC RULES
AND REGULATIONS PART 68, SUBPART F.
 - THE PART IS RECOMMENDED FOR WAVE SOLDERING,
THE SUGGESTED PEAK WAVE SOLDERING CONDITION
IS 260°C MAX. AND 10 SECONDS MAX.
 - UNSPECIFIED TOLERANCE: .XX \pm 0.25[0.010]
.X \pm 0.30[0.012]

Halogen Free
RoHS Compliant



RECOMMENDED
PANEL CUTOUT DIMENSION
SCALE 1:2

PART NO		KRH-04F-V-SS5-679-XXX		
TITLE	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED			
REV : 04				
UNIT	DRAWN	CHKD	DATE	SHEET
mm[inch]	CINDY	VINCENT	Jun. 26, '19	1 of 6

2. PCB LAYOUT :

A

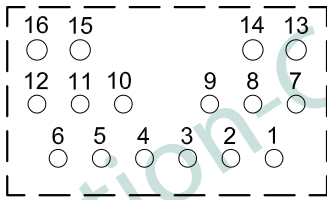
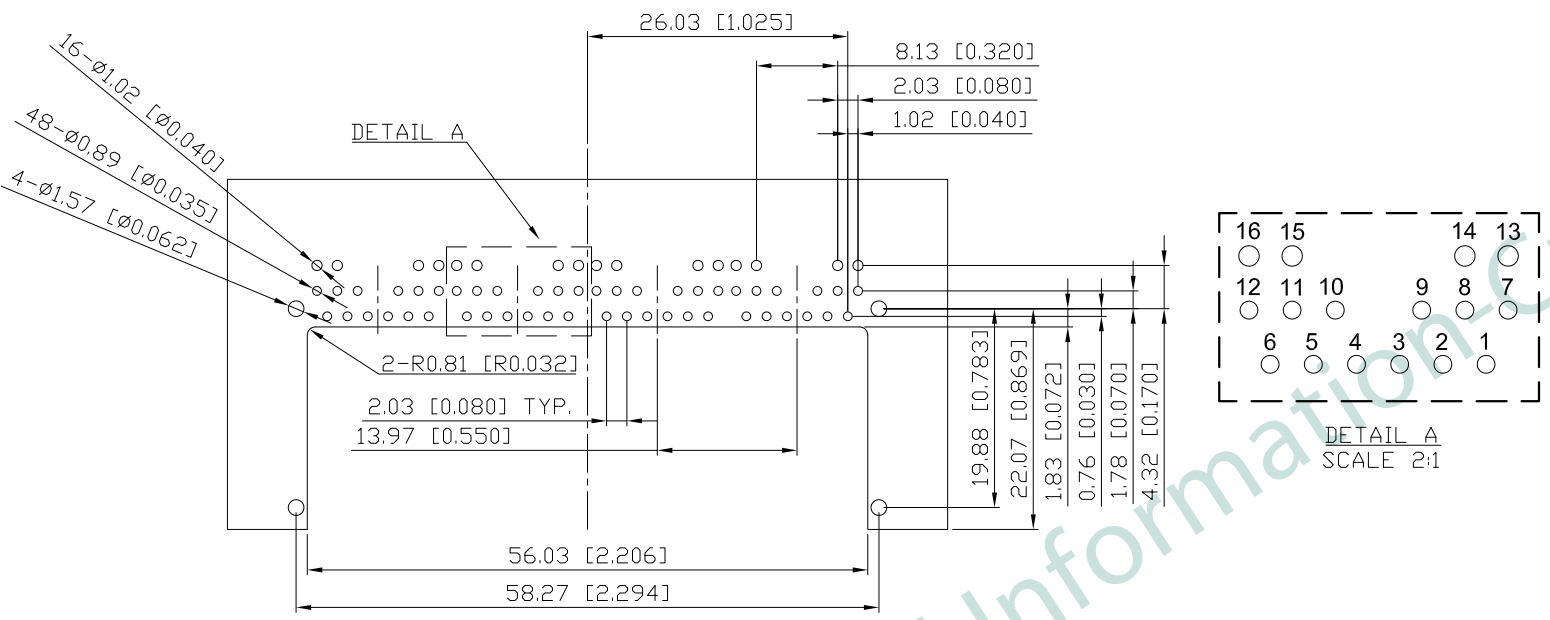
B

C

D

E

F

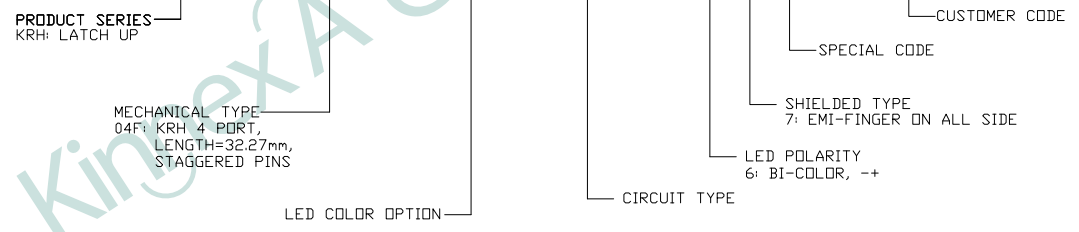


DETAIL A
SCALE 2:1

P#	DEFINITION
P1	CT
P2	MD<1>-
P3	MD<1>+
P4	MD<2>+
P5	MD<2>-
P6	CT
P7	CT
P8	MD<0>+
P9	MD<0>-
P10	MD<3>-
P11	MD<3>+
P12	CT
P13	RIGHT GR+
P14	RIGHT GR-
P15	LEFT GR+
P16	LEFT YE+

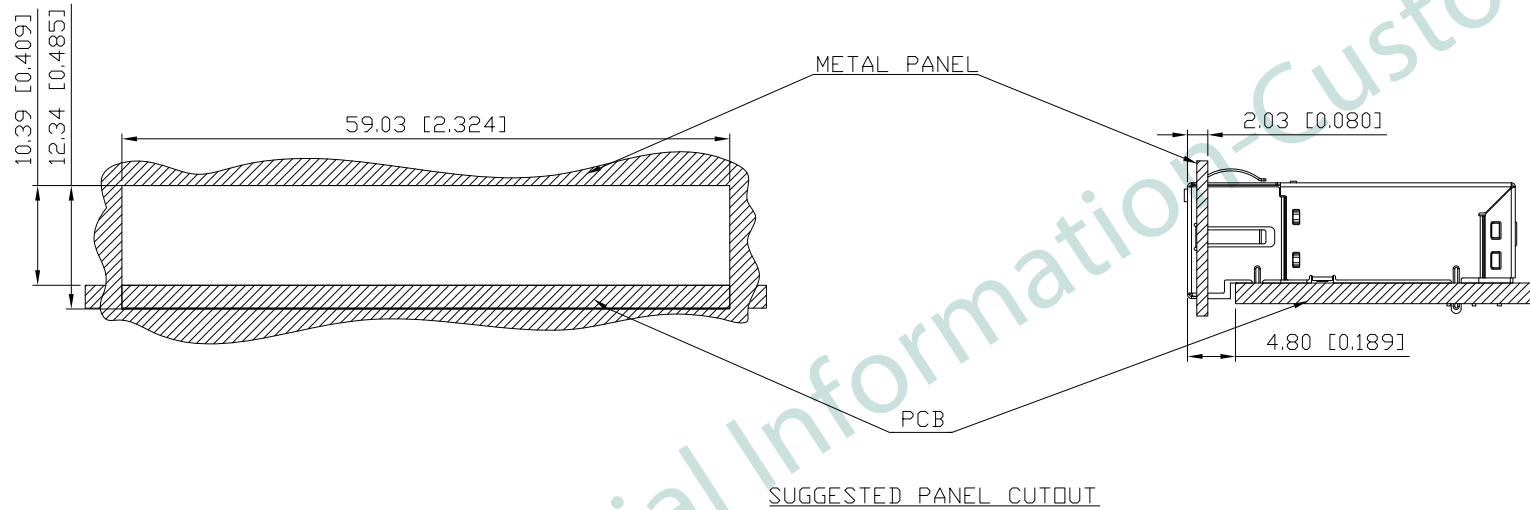
SUGGESTED PCB LAYOUT
TOP VIEW
DIMENSIONAL TOLERANCE: .XX ±0.08[0.003]

KRH-04F-V-SS5-679-XXX




PART NO		KRH-04F-V-SS5-679-XXX			
TITLE	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED				
REV : 04					
UNIT	DRAWN	CHKD	DATE	SHEET	
mm[inch]	CINDY	VINCENT	Jun. 26, '19	2 of 6	

3. PANEL CUTOUT:



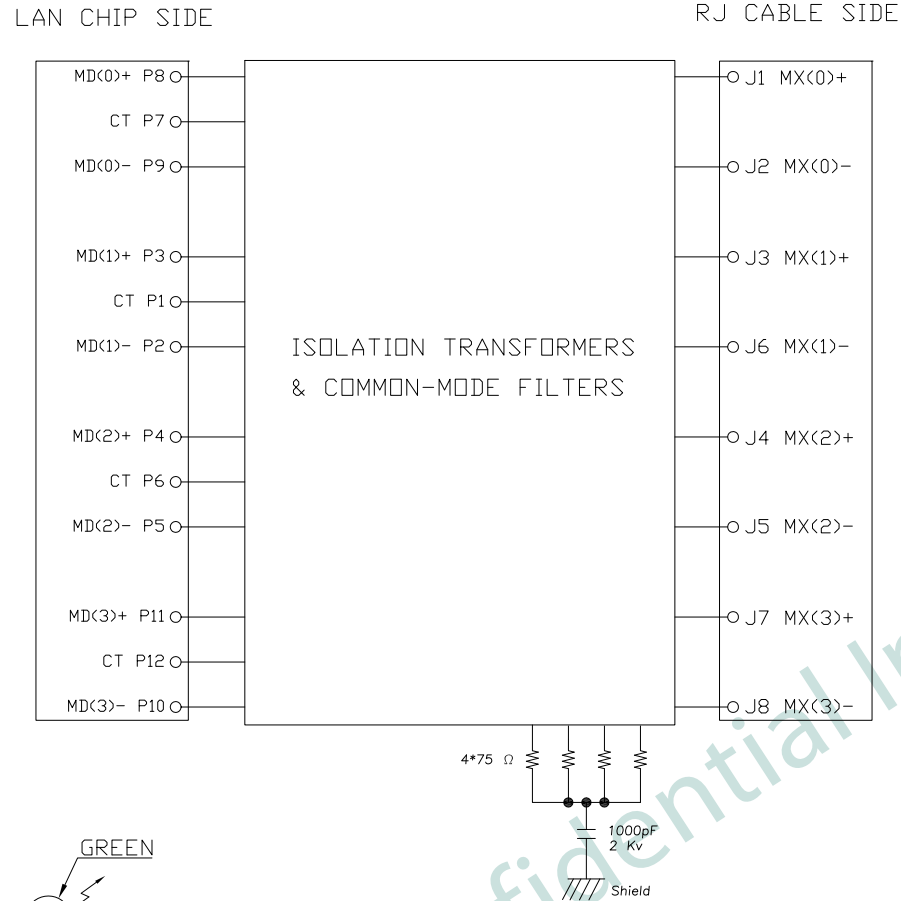
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RoHS Compliant

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XXX= ±.010 [±0.25]

 PART NO		KRH-04F-V-SS5-679-XXX		
TITLE	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED			
REV : 04				
UNIT	DRAWN	CHKD	DATE	SHEET
mm[inch]	CINDY	VINCENT	Jun. 26, '19	3 of 6

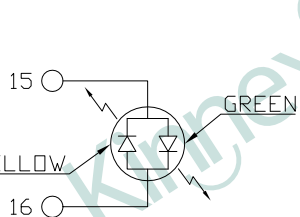
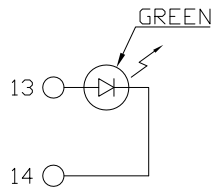
4. SCHEMATIC:

5. ELECTRICAL CHARACTERISTICS :



TEST NOTES:(25°±5°C)

- TR:
INPUT TO OUTPUT=1:1±3%
- CL: <100KHz, 100mV, 8mA, DC Bias>
120uH MINIMUM
- DCR:
EVERY RJ PAIR=1.2 Ω MAXIMUM
- INSERTION LOSS:
-0.6dB MAXIMUM AT 1MHz TO 100MHz
-1.0dB MAXIMUM AT 100MHz TO 200MHz
-1.5dB MAXIMUM AT 200MHz TO 300MHz
-2.0dB MAXIMUM AT 300MHz TO 400MHz
- RETURN LOSS:
-20dB MINIMUM AT 1MHz TO 100MHz
-17dB MINIMUM AT 100MHz TO 200MHz
-14dB MINIMUM AT 200MHz TO 300MHz
-13dB MINIMUM AT 300MHz TO 400MHz
-12dB MINIMUM AT 400MHz TO 500MHz
- CROSS TALK:
-25dB MINIMUM AT 1MHz TO 500MHz
- CM TO CM REJECTION:
-22dB MINIMUM AT 1MHz TO 100MHz
-21dB MINIMUM AT 100MHz TO 300MHz
-20dB MINIMUM AT 300MHz TO 800MHz
- HIPOT:
INPUT<RJ SIDE> TO OUTPUT<LAN SIDE>
1500VAC FOR 60 SECONDS



COLOR	VF<V> @20mA		IV<mcd> @20mA	IF<mA>	PEAK WAVE LENGTH λP<nm> @20mA
	TYP	MAX	TYP	TYP	TYP
GREEN	2.4	2.8	30	30	525
YELLOW	2.1	2.8	20	30	585
GREEN	2.4	2.8	30	30	525

PART NO		KRH-04F-V-SS5-679-XXX		
TITLE	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED			
REV : 04				
UNIT	DRAWN	CHKD	DATE	SHEET
mm[inch]	CINDY	VINCENT	Jun. 26, '19	4 of 6

DWG NO KRH-04F-V-SS5-679-XXX

KinnexA, INC. 8F, No. 172, CHENG TEH ROAD SEC. 4, TAIPEI 11167, TAIWAN

Connected by **KinnexA**

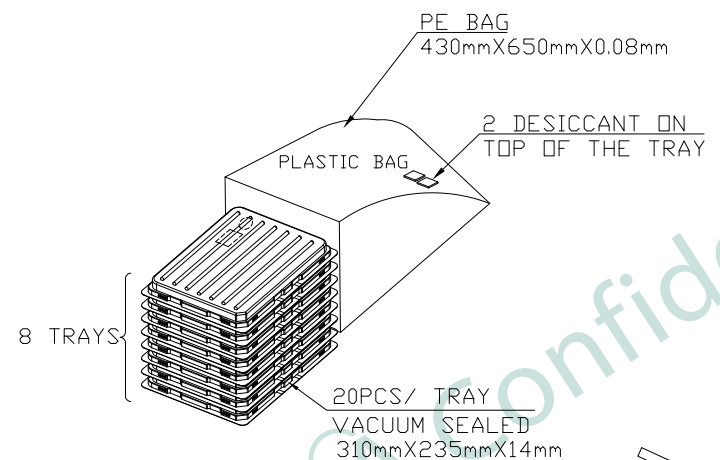
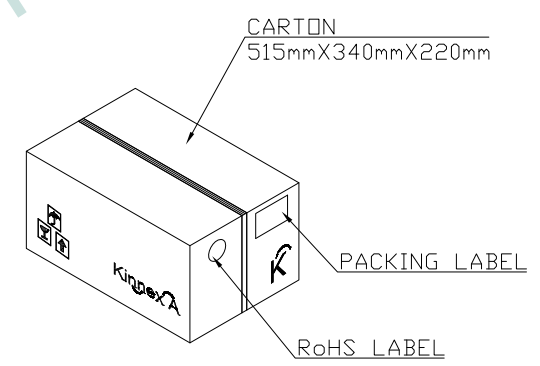
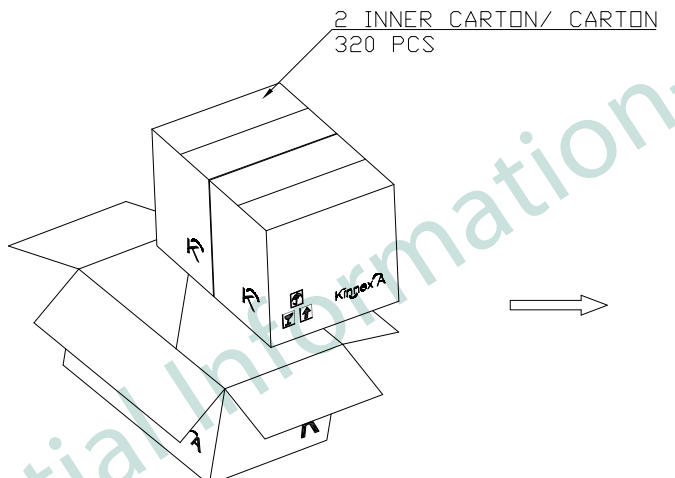
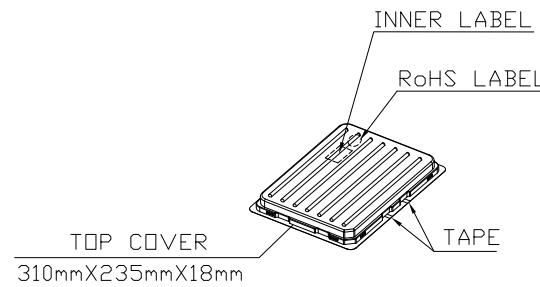
Halogen Free
RoHS Compliant

PRELIMINARY RELEASE SUBJECT TO CHANGE

※ THIS DRAWING IS A CONTROLLED DOCUMENT ※

6. PACKING SPECIFICATION:

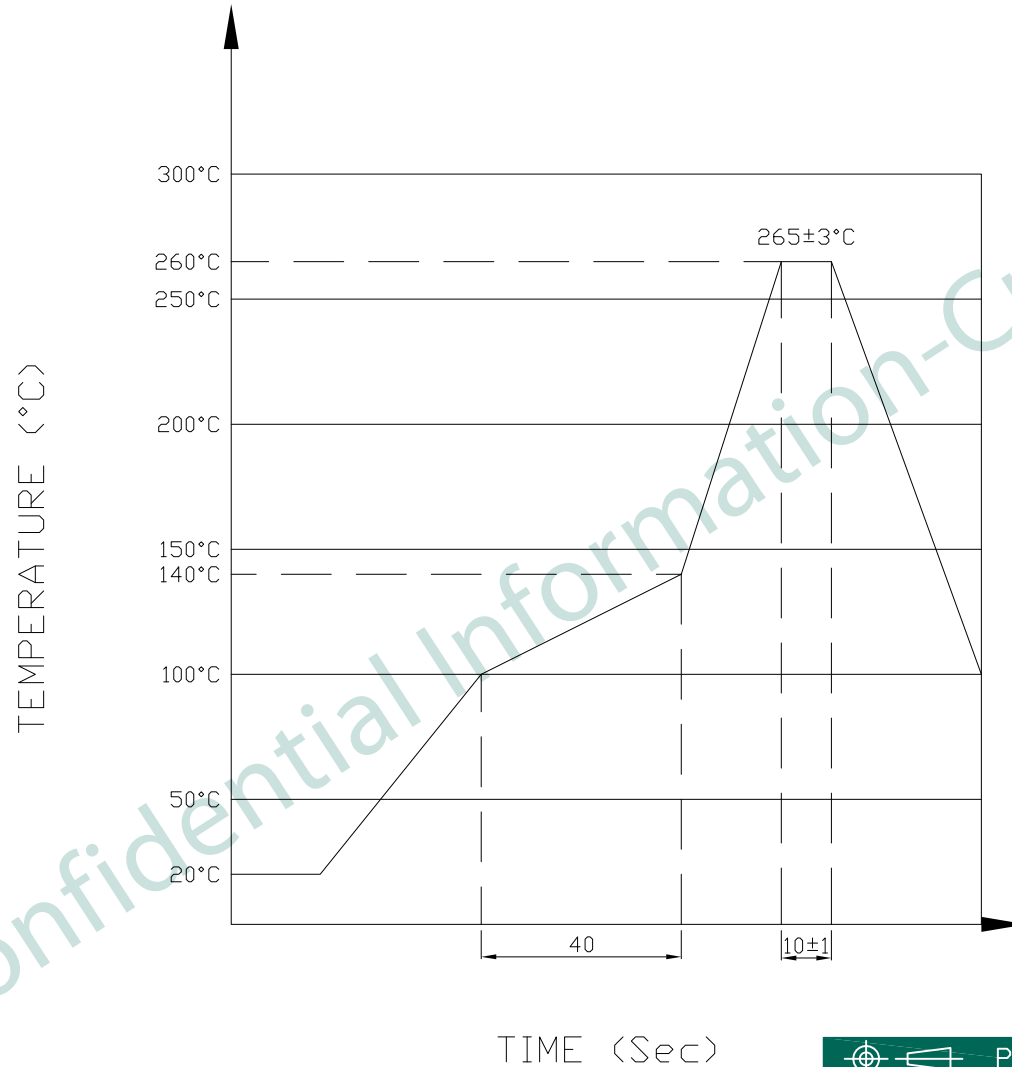
A
B
C
D
E
F



PART NO		KRH-04F-V-SS5-679-XXX		
TITLE	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED			
REV : 04				
UNIT	DRAWN	CHKD	DATE	SHEET
mm[inch]	CINDY	VINCENT	Jun. 26, '19	5 of 6

Halogen Free
 RoHS Compliant

7. PROFILE OF WAVE SOLDER:



The measuring point for the specified temperature shall be on the soldered part of the lead

PART NO KRH-04F-V-SS5-679-XXX				
TITLE	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED			
REV : 04				
UNIT	DRAWN	CHKD	DATE	SHEET
mm[inch]	CINDY	VINCENT	Jun. 26, '19	6 of 6