1. MECHANICAL DIMENSIONS : ⚠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:
1. MATERIAL:
   HOUSING: HIGH THERMOPLASTIC, UL94V-0, BLACK
   CONTACTS: PHOS-BRONZE,
   50u" GOLD PLATING ON CONTACT AREA,
   NICKEL UNDERPLATING OVERALL
   SHIELD: COPPER ALLOY, NICKEL PLATING

2. OPERATING TEMPERATURE: 0°C~+70°C

3. MATING FORCE: 4 POUNDS MAX.
   UNMATING FORCE: 4 POUNDS MAX.

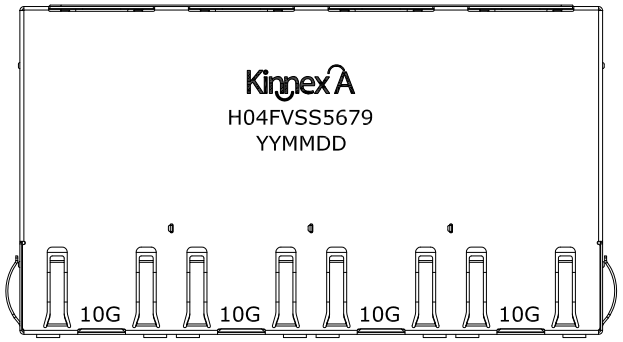
4. DURABILITY: 750 MATING CYCLED MIN.

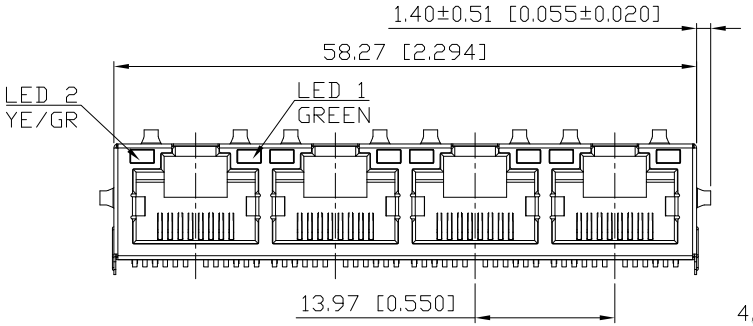
5. CAVITY CONFORMS TO FCC RULES
   AND REGULATIONS PART 68, SUBPART F.

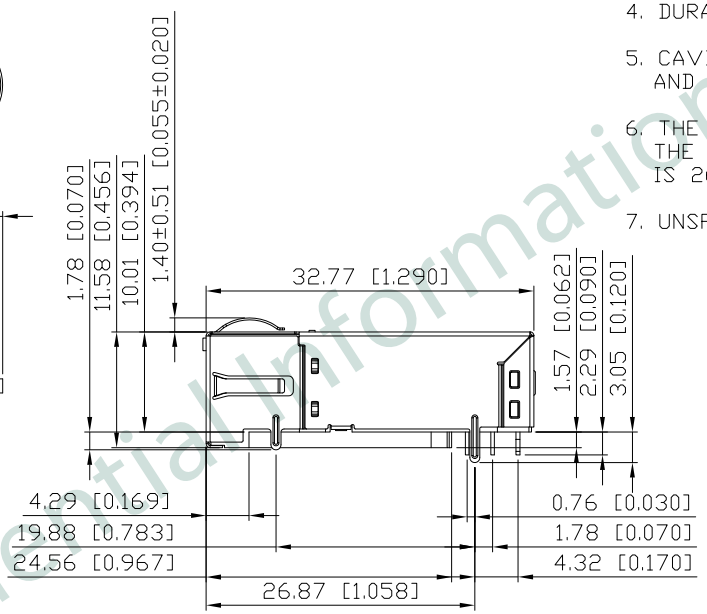
6. THE PART IS RECOMMENDED FOR WAVE SOLDERING,
   THE SUGGESTED PEAK WAVE SOLDERING CONDITION
   IS 260°C MAX. AND 10 SECONDS MAX.

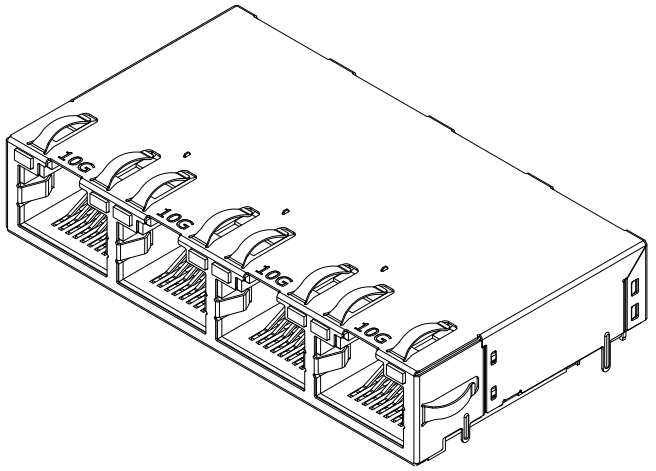
7. UNSPECIFIED TOLERANCE: .XX ±0.25[0.010]
   .X ±0.30[0.012]

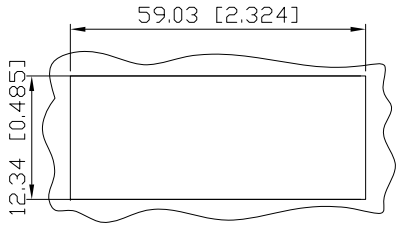
Halogen Free
RoHS Compliant







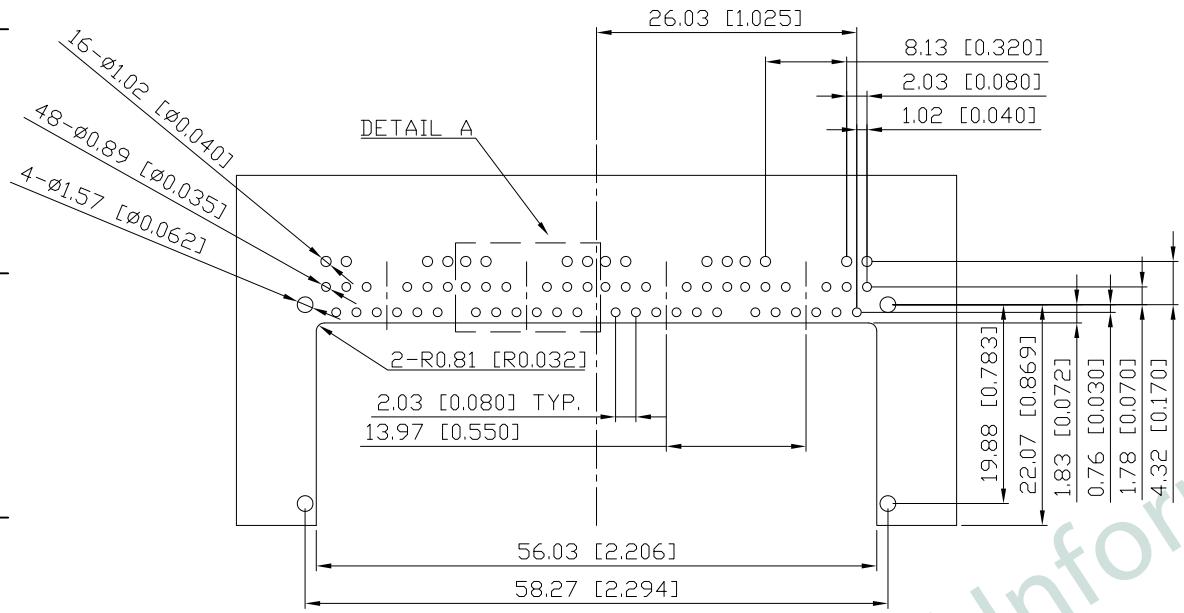




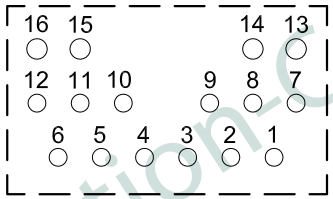
RECOMMENDED
PANEL CUTOUT DIMENSION
SCALE 1:2

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 :



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



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+

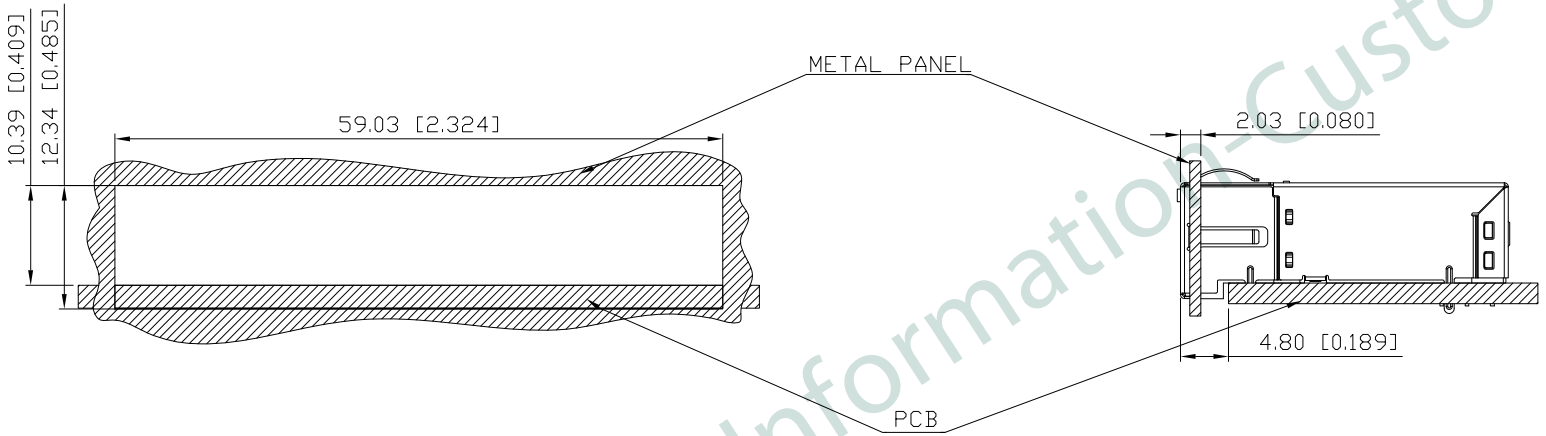
Halogen Free
RoHS Compliant

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

- PRODUCT SERIES — KRH: LATCH UP
- MECHANICAL TYPE — 04F: KRH 4 PORT, LENGTH=32.27mm, STAGGERED PINS
- LED COLOR OPTION
- CIRCUIT TYPE
- LED POLARITY — 6: BI-COLOR, -+
- SHIELDED TYPE — 7: EMI-FINGER ON ALL SIDE
- SPECIAL CODE
- CUSTOMER CODE

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:



SUGGESTED PANEL CUTOUT

Halogen Free
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 REV : 04	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED			
UNIT	DRAWN	CHKD	DATE	SHEET
mm[inch]	CINDY	VINCENT	Jun. 26, '19	3 of 6

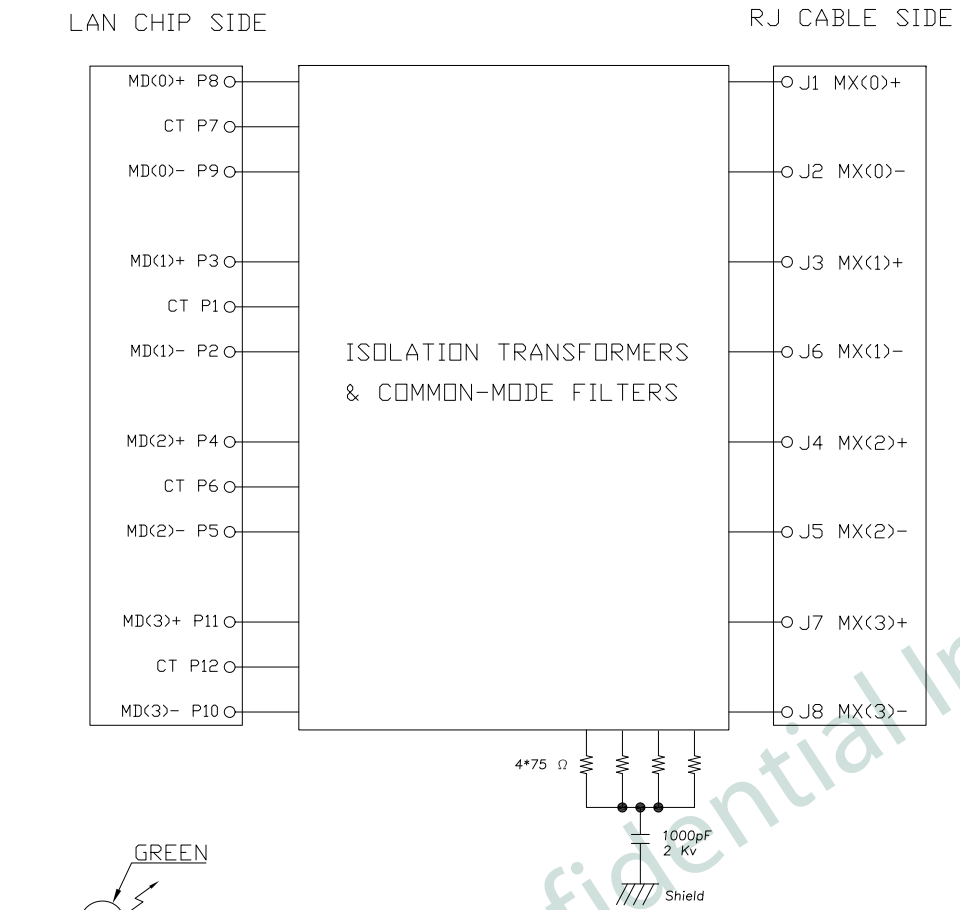
KinnexA, INC. 8F, No. 172, CHENG TEH ROAD SEC. 4, TAIPEI 11167, TAIWAN

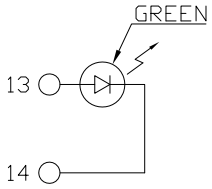
Connected by KinnexA

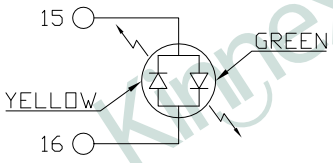
PRELIMINARY RELEASE SUBJECT TO CHANGE

※ THIS DRAWING IS A CONTROLLED DOCUMENT ※

4. SCHEMATIC:







04

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

5. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

1. TR:
   INPUT TO OUTPUT=1:1±3%

2. OCL: (100KHz, 100mV, 8mA, DC Bias)
   120uH MINIMUM

3. DCR:
   EVERY RJ PAIR=1.2 Ω MAXIMUM

4. 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

5. 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

6. CROSS TALK:
   -25dB MINIMUM AT 1MHz TO 500MHz

7. CM TO CM REJECTION:
   -22dB MINIMUM AT 1MHz TO 100MHz
   -21dB MINIMUM AT 100MHz TO 300MHz
   -20dB MINIMUM AT 300MHz TO 800MHz

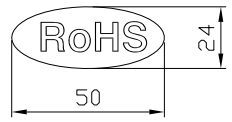
8. HIPOT:
   INPUT(RJ SIDE) TO OUTPUT(LAN SIDE)
   1500VAC FOR 60 SECONDS

Halogen Free
RoHS Compliant

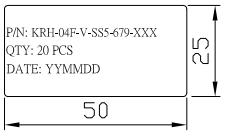
PART NO KRH-04F-V-SS5-679-XXX

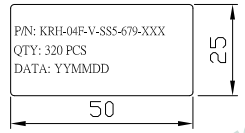
TITLE	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED			
REV : 04				
UNIT	DRAWN	CHKD	DATE	SHEET
mm[inch]	CINDY	VINCENT	Jun. 26, '19	4 of 6

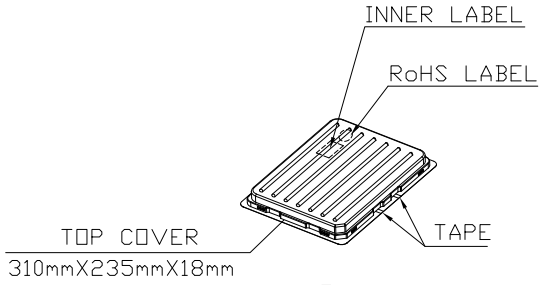
6. PACKING SPECIFICATION:

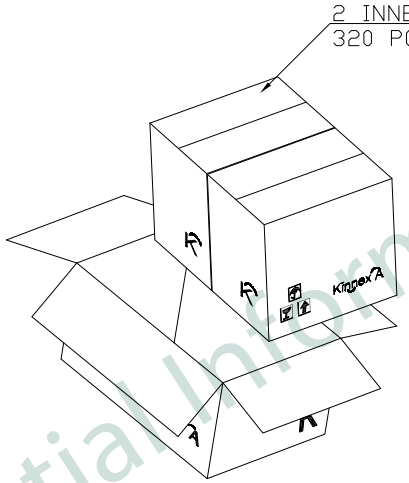


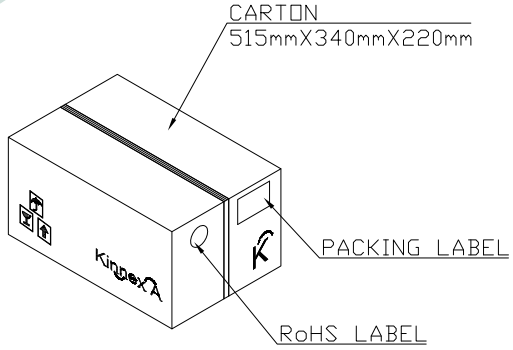
RoHS LABEL

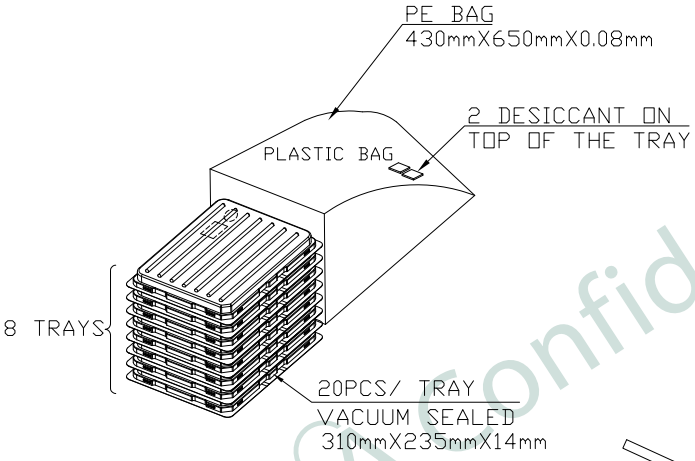


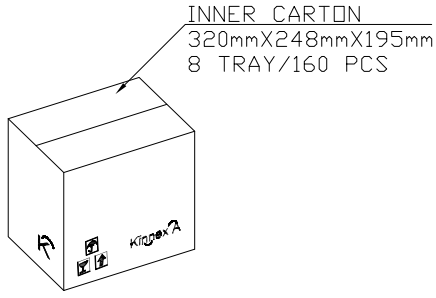








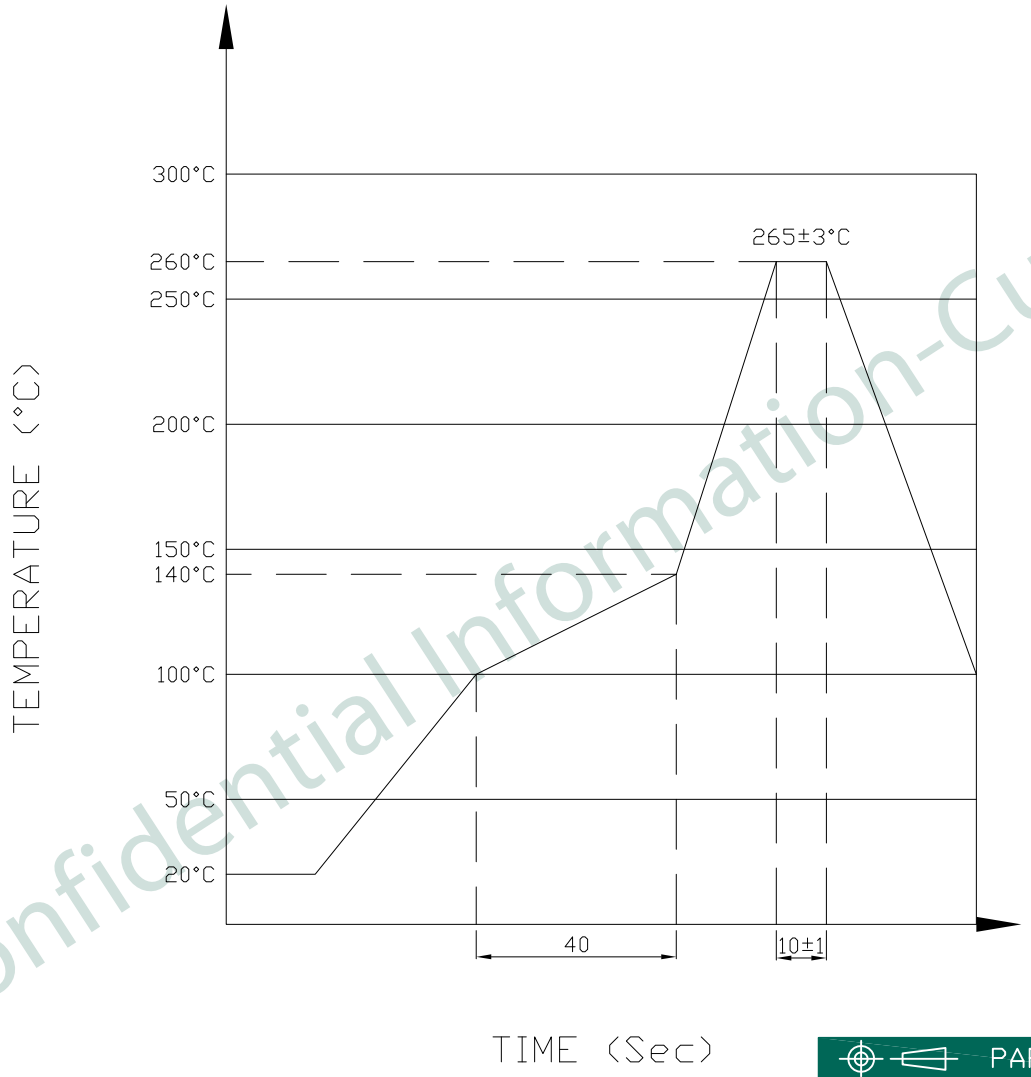




PART NO	KRH-04F-V-SS5-679-XXX			
TITLE	RJ45 1X4, W/10G TRANSFORMER, W/LED, SHIELDED			
REV : 04				
UNIT	DRAWN	CHKD	DATE	SHEET
mm[inch]	CINDY	VINCENT	Jun. 26, '19	5 of 6

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

Halogen Free
RoHS Compliant

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