

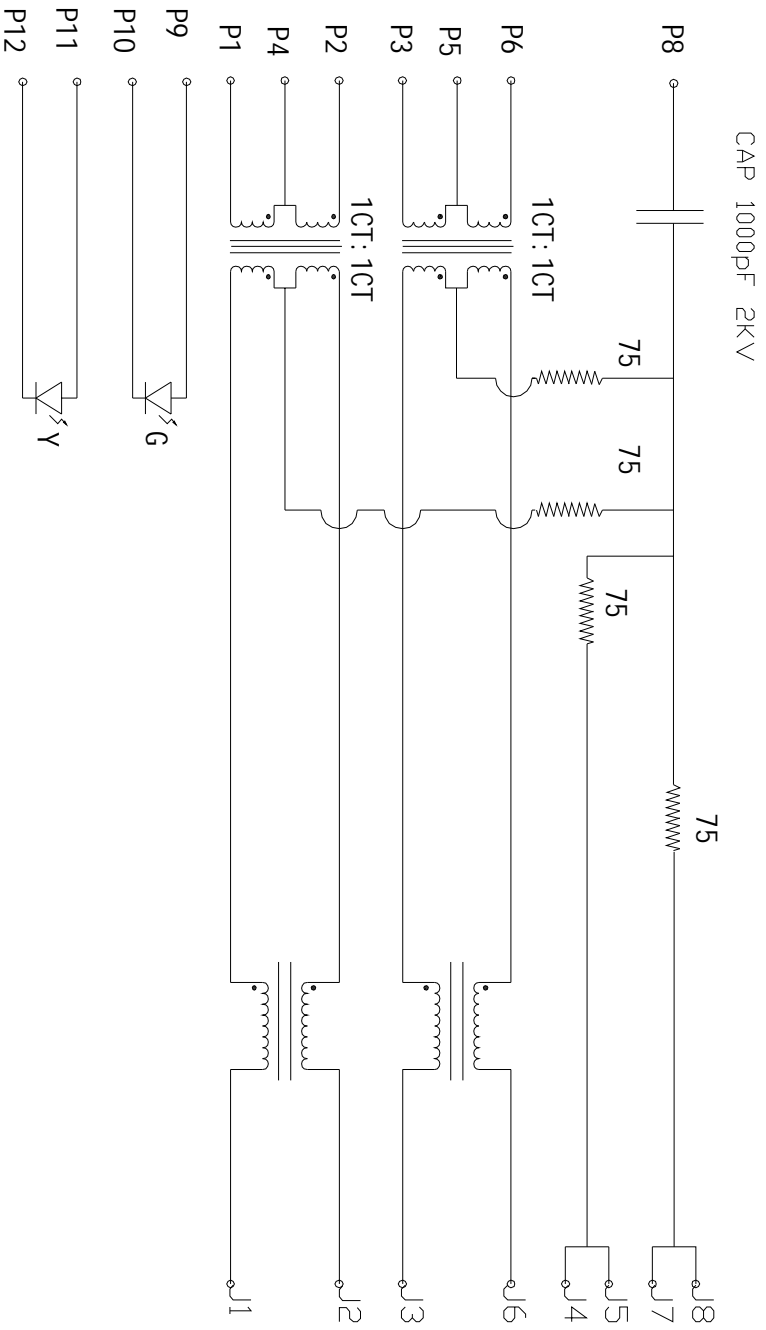
# SPECIFICATION FOR APPROVAL

PRODUCT NAME: 59 1\*2port with transformer and  
LED, EMI, 10/100BT Afer 3.05

PRODUCT NO : KW-10017-16

CUSTOMER NO :

REV : \_\_\_\_\_ DATE : \_\_\_\_\_

# ELECTRICAL SPECIFICATIONS:

- 1.0 TURN RATIO: (P1~P2):(J1~J2) :1:1±3%  
 (P3~P6):(J3~J6) :1:1±3%
- 2.0 INDUCTANCE: (P1~P2) 350uH MIN @ 0.1V,100KHZ, 8mA DC BIAS  
 (P3~P6) 350uH MIN @ 0.1V,100KHZ, 8mA DC BIAS
- 3.0 LEAKAGE INDUCTANCE: P1~P2(WITH J1 AND J2 SHORT) :0.3uH MAX @1 MHZ  
 P3~P6(WITH J3 AND J6 SHORT) :0.3uH MAX @1 MHZ

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SCALE	N/A			SHEET	2 OF 7

4.0 INTERWINDIND: CAPACITANCE:(P1~P2):(J1~J2)  
 (P3~P6):(J3~J6) :35pF MAX @ 1MHZ  
 :35pF MAX @ 1MHZ

5.0 DC RESISTANCE:(J1~J2):(J3~J6) :1.2 OHMS MAX

6.0 RETURN LOSS: 1MHZ TD 30MHZ : -18dB MIN  
 30MHZ TD 80MHZ : -12dB MIN

7.0 DIELECTRIC WITHSTAND:(P1~P2):(J1~J2) :1500VAC  
 (P3~P6):(J3~J6) :1500VAC

8.0 INSERTION LOSS:RS=RL=100OHM : -1.1dB MIN  
 100KHZ TD 80MHZ

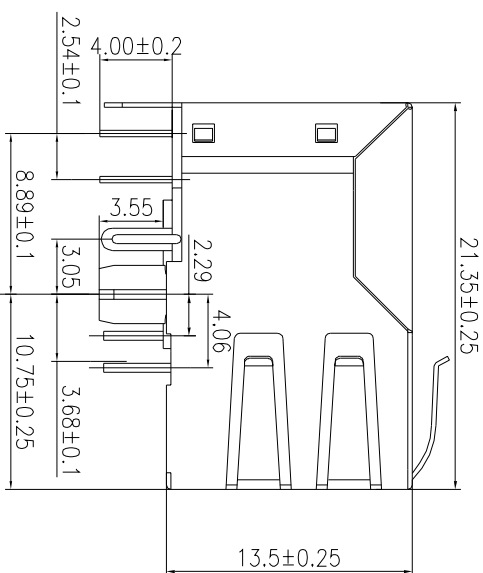
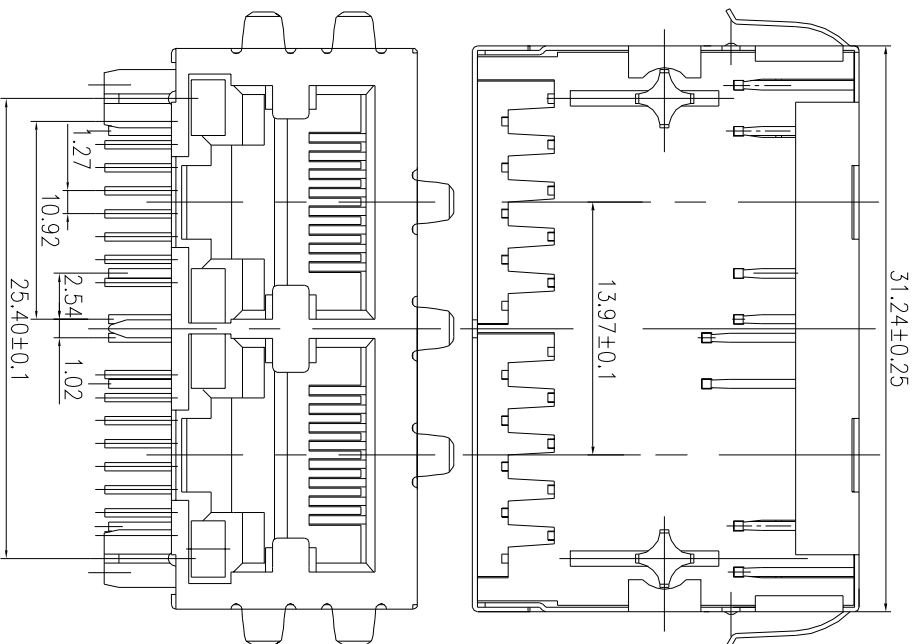
9.0 RISE TIME:RS=100 OHMS AND RL=100OHMS :3.0nS MAX  
 OUTPUT VOLTAGE=1V PEAK :3.0nS MAX  
 PULSE WIDTH= 112nS

10.0 CROSS TALK: 1MHZ TD 100MHZ 40dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHZ TD 100MHZ :35dB TYP

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# MECHANIC SPECIFICATIONS:

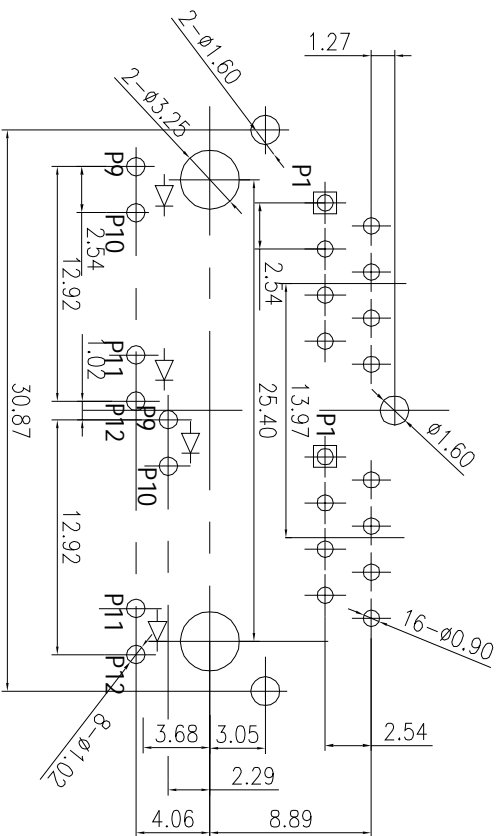


- NOTES:**
- CONNECTOR MATERIAL:  
HOUSING: THERMOPLASTIC UL94 V-0
  - CONTACT/SHIELD: COOPER ALLOY
  - SHIELD PLATING: NICKEL OR TIN
  - CONTACT PLATING: SELECTIVE GOLD,
    - 50 MICRO-INCHS MIN
    - 30 MICRO-INCHS MIN
    - 15 MICRO-INCHS MIN
    - 6 MICRO-INCHS MIN
    - 3 MICRO-INCHS MIN
  - IN CONTACT AREA

- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
- TOLERANCES COMPLY WITH F. C. C DIMENSION REQUIREMENTS
- WAVE SOLDER COMPATIBLE-PREHEAT 125 C DEGREE/90SECS
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±0.1mm.

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SCALE		SHEET
N/A		4 OF 7

# MECHANIC SPECIFICATIONS:



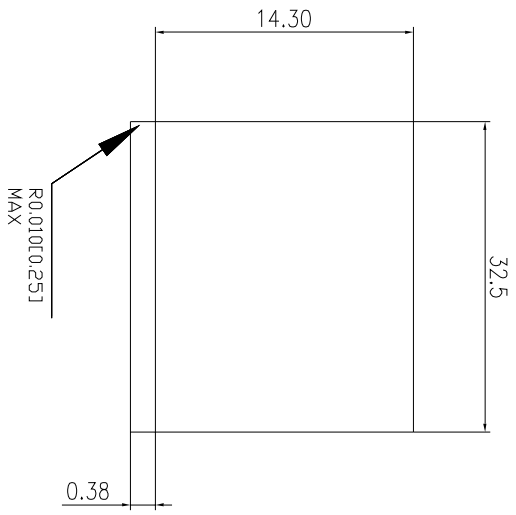
P.C.B RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE.

ALL CENTERLINE DIMENSIONS ARE BASIC

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Forward V(max)	TYP
GREEN	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V

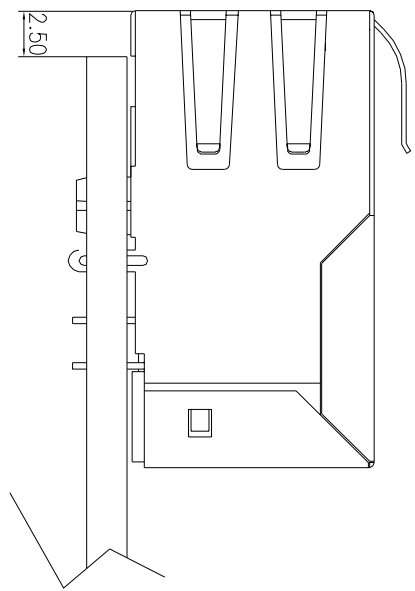
\*WITH A FORWARD CURRENT OF 20mA

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.015\*(0.38) FROM TOP OF PCB TO BOTTOM OF OPENING.

1SUGGESTED PANEL OPENING(N.T.S)



1.THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK/PANEL CLEARANCES CAPABILITY.  
 2.ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±0.005 INCH(0.13)

SIZE	A	DRAWING NO.	KW-10017-16	REV	01
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