

# SPECIFICATION FOR APPROVAL

PRODUCT NAME: 59 1\*4ports with transformer and LED,  
Un-shield \_\_\_\_\_

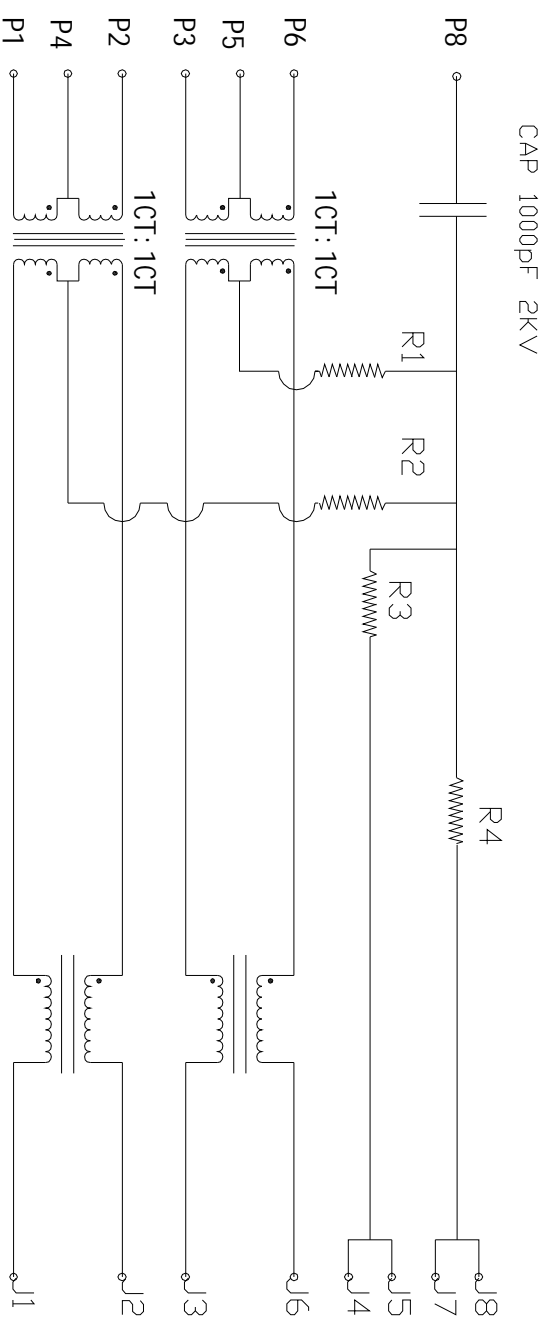
PRODUCT NO : KW-10017-11  
\_\_\_\_\_

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) 350µH MIN @ 0.1V,100KHZ, 8mA DC BIAS
- (P3~P6) 350µH MIN @ 0.1V,100KHZ, 8mA DC BIAS
- 3.0 LEAKAGE INDUCTANCE: P1~P2(WITH J1 AND J2 SHORT) :0.3µH MAX @1 MHZ
- P3~P6(WITH J3 AND J6 SHORT) :0.3µH MAX @1 MHZ

|       |     |             |             |       |        |
|-------|-----|-------------|-------------|-------|--------|
| SIZE  | A   | DRAWING NO. | KW-10017-11 | REV   | 01     |
| 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

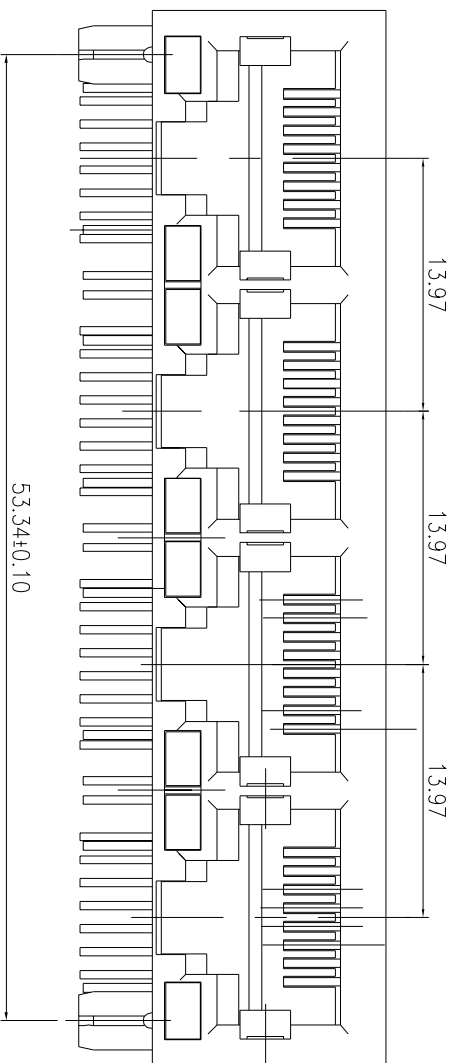
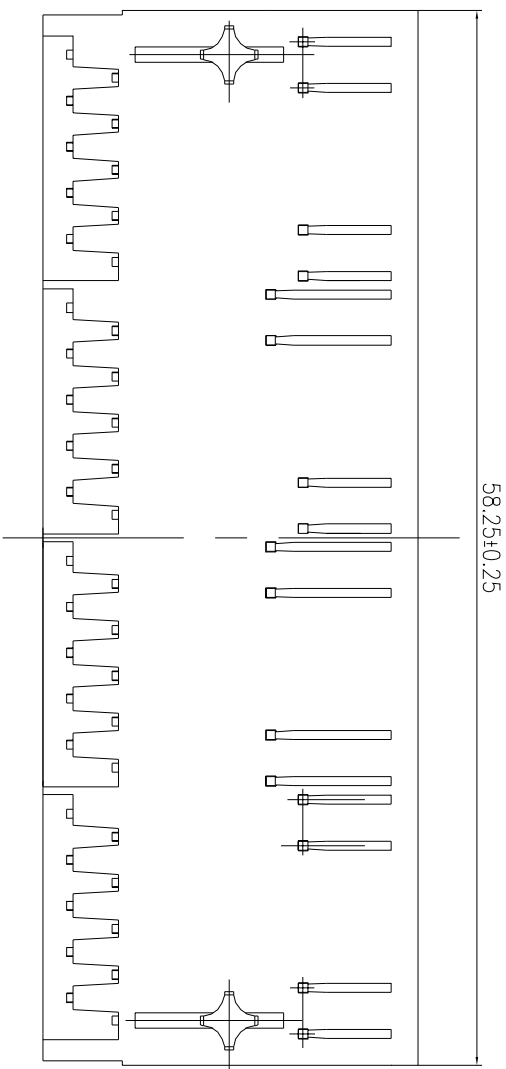
9.0 RISE TIME:RS=100 OHMS AND RL=100OHMS :3.0ns MAX  
OUTPUT VOLTAGE=1V PEAK :3.0ns MAX  
PULSE WIDTH= 112ns

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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| A     | <b>KW-10017-11</b> | 01     |
| SCALE |                    | SHEET  |
| N/A   |                    | 3 OF 7 |

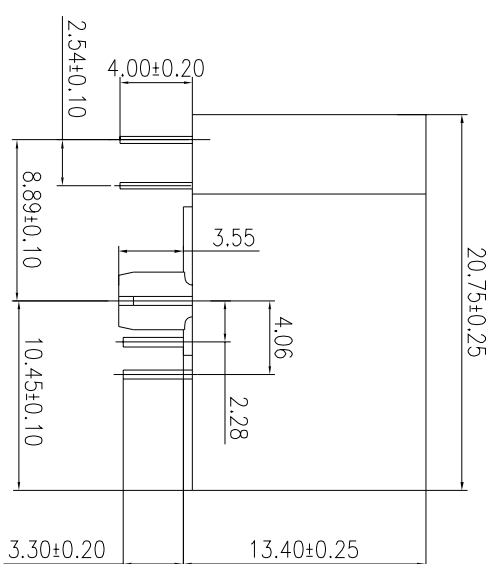
# MECHANIC SPECIFICATIONS:



## NOTES:

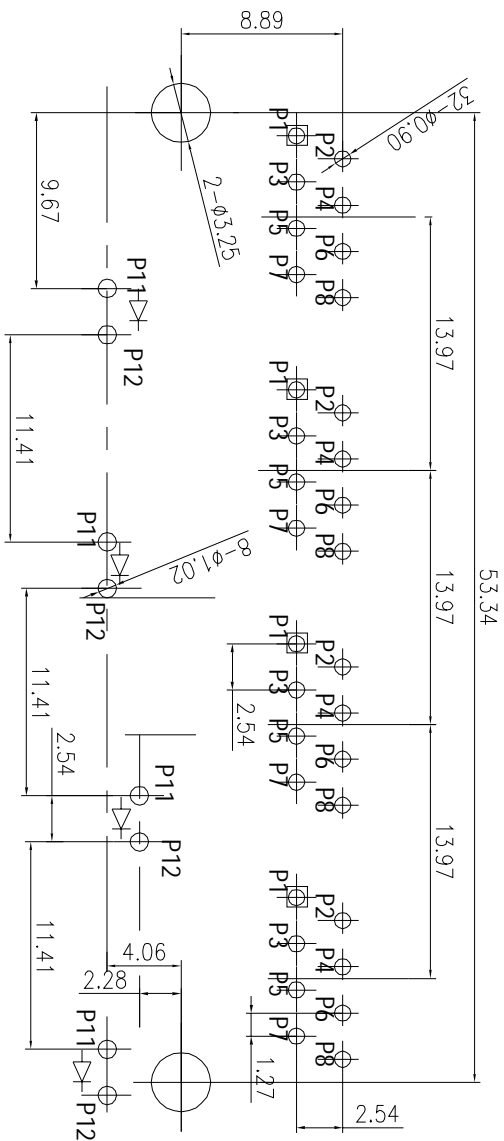
1. CONNECTOR MATERIAL:  
HOUSING: THERMOPLASTIC UL94 V-0  
CONTACT/SHIELD: COOPER ALLOY  
SHIELD PLATING: NICKEL OR TIN  
CONTACT PLATING: SELECTIVE GOLD,
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
3. TOLERANCES COMPLY WITH F. C. C DIMENSION REQUIREMENTS
4. WAVE SOLDER COMPATIBLE-PREHEAT 125 C DEGREE/90SECS
5. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±0.1mm.

- 50 MICRO-INCHS MIN
  - 30 MICRO-INCHS MIN
  - 15 MICRO-INCHS MIN
  - 6 MICRO-INCHS MIN
  - 3 MICRO-INCHS MIN
- IN CONTACT AREA



|       |     |                    |              |
|-------|-----|--------------------|--------------|
| SIZE  | A   | DRAWING NO.        | REV          |
| SCALE | N/A | <b>KW-10017-11</b> | <b>01</b>    |
|       |     |                    | SHEET 4 OF 7 |

# MECHANIC SPECIFICATIONS:



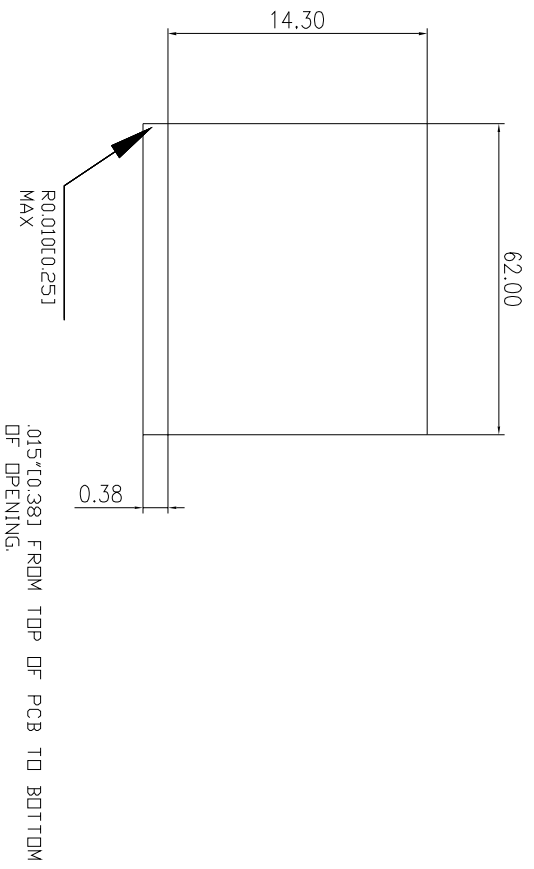
P.C.B RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE.

ALL CENTERLINE DIMENSIONS ARE BASIC

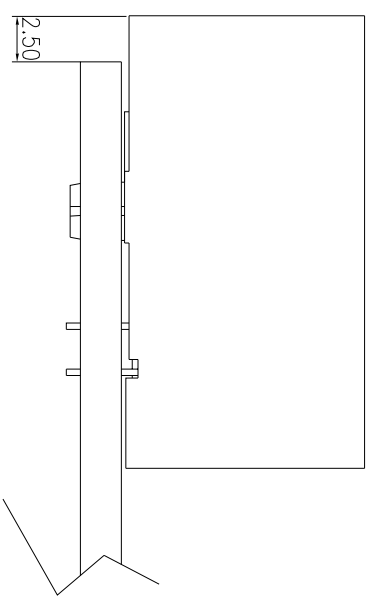
| LED SPECIFICATION |            |                |      |
|-------------------|------------|----------------|------|
| STANDARD LED      | WAVELENGTH | Forward V(max) | TYP  |
| GREEN             | 565nm      | 2.4V           | 2.2V |
| YELLOW            | 590nm      | 2.5V           | 2.1V |

\*WITH A FORWARD CURRENT OF 20mA

|       |                    |        |
|-------|--------------------|--------|
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| SCALE |                    | SHEET  |
| N/A   |                    | 5 OF 7 |



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)

|       |                    |           |
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| SCALE |                    | SHEET     |
| N/A   |                    | 6 OF 7    |