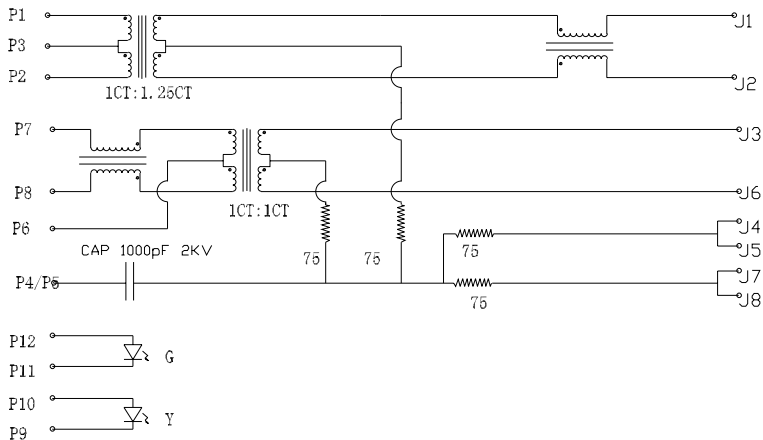


## SPECIFICATION FOR APPROVAL

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

PRODUCT NO : TS-50024



## ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: (P1~P2):(J1~J2) :1:1.25±3%  
 (P7~P8):(J3~J6) :1:1±3%
- 2.0 INDUCTANCE: (P1~P2) 350uH MIN @ 0.1V,100KHZ, 8mA DC BIAS  
 (P7~P8) 350uH MIN @ 0.1V,100KHZ, 8mA DC BIAS
- 3.0 LEAKAGE INDUCTANCE: P1~P2(WITH J1 AND J2 SHORT) :0.3uH MAX @1 MHZ  
 P7~P8(WITH J3 AND J6 SHORT) :0.3uH MAX @1 MHZ

SIZE A	DRAWING NO. <b>TS-50024</b>	REV <b>01</b>
SCALE N/A		SHEET 2 OF 7

4.0 INTERWINDING CAPACITANCE:(P1~P2):(J1~J2) :35pF MAX @ 1MHZ  
(P7~P8):(J3~J6) :35pF MAX @ 1MHZ

5.0 DC RESISTANCE:(J1~J2):(P7~P8) :1.2 OHMS MAX

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

7.0 DIELECTRIC WITHSTAND:(P1~P2):(J1~J2) :1500VAC  
(P7~P8):(J3~J6) :1500VAC

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

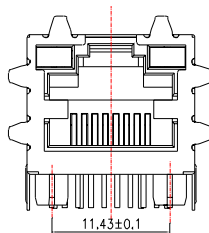
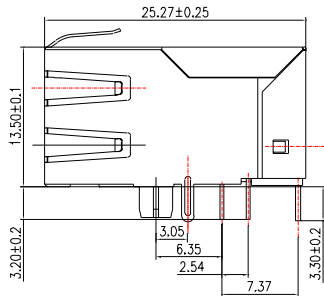
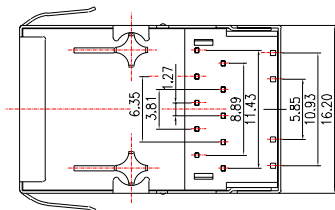
9.0 RISE TIME:RS=100 OHMS AND RL=100OHMS : 3.0nS MAX  
OUTPUT VOLTAGE=1V PEAK : 3.0nS MAX  
PULSE WIDTH= 112nS

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

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

SIZE A	DRAWING NO. TS-50024	REV 01
SCALE N/A		SHEET 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,
 

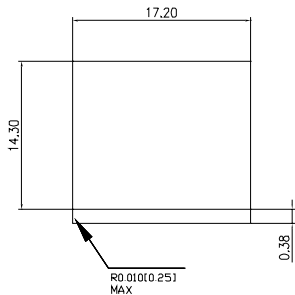
50 MICRO-INCHS MIN	<input type="checkbox"/>
30 MICRO-INCHS MIN	<input type="checkbox"/>
15 MICRO-INCHS MIN	<input type="checkbox"/>
6 MICRO-INCHS MIN	<input type="checkbox"/>
3 MICRO-INCHS MIN	<input type="checkbox"/>

IN CONTACT AREA

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.

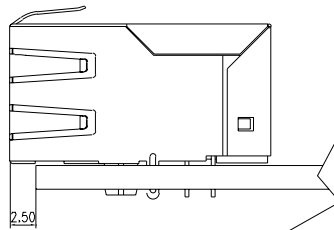
SIZE A	DRAWING NO. TS-50024	REV 01
SCALE N/A		SHEET 4 OF 7





.015(.038) FROM TOP OF PCB TO BOTTOM OF OPENING.

SUGGESTED 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  $\pm 0.005$  INCH(0.13)

SIZE A	DRAWING NO. TS-50024	REV 01
SCALE N/A		SHEET 6 OF 7

TEST DATA SHEET:

SIZE A	DRAWING NO. TS-50024	REV 01
SCALE N/A		SHEET 7 OF 7