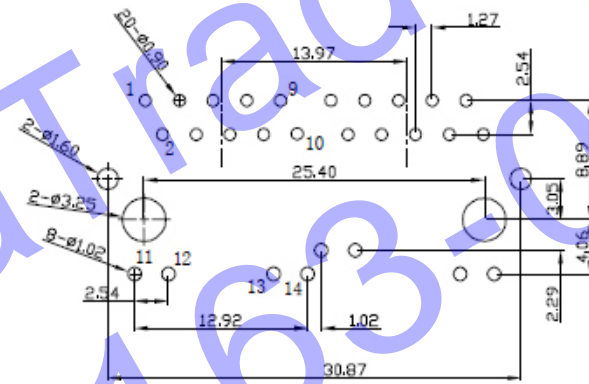
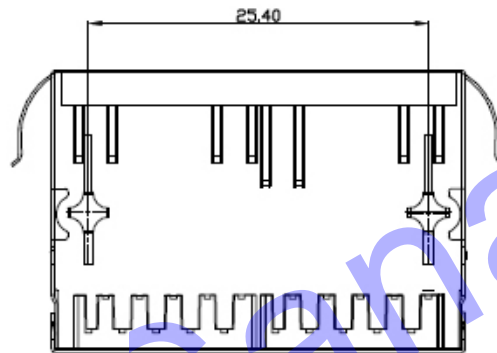
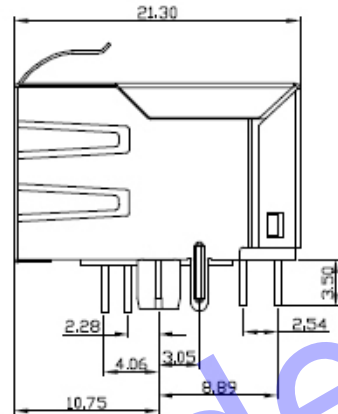
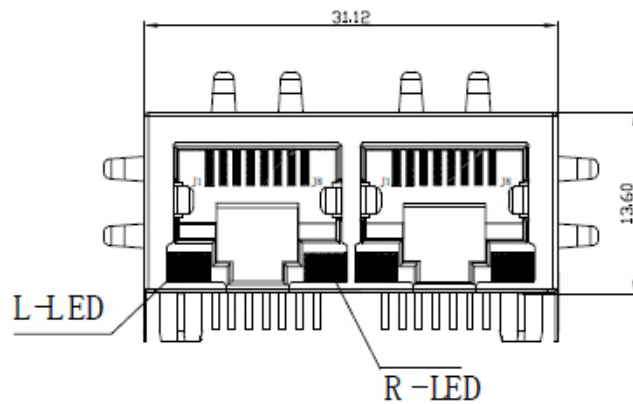


MECHANICAL:



PC Board Layout Component Side Shown

MetalShell: Copper Alloy! Finish 30u" Nickel
 Housing :Thermoplastic,PBT,UL 94V-0,Black
 Insert :Thermoplastic,PBT,UL 94V-0,Black
 Contact Terminal phosphor Bronze
 6u" Gold on Contact Area! 100u" Tin on Solder!
 Both over 50u" Nickel Under Plated
 Coil Base :Phenolic,PBT,UL 94V-0,Black
 Terminal Copper Alloy T=0.35mm Thickness

Meets or exceeds IEEE 802.3 standard for 2.5G
 150uH minimum OCL with 10.8mA Bias current
 Available with or without LEDs
 Minimum 1500Vrms isolation per IEEE 802.3 requirement
 Operating temperature 0°C to +70°C
 Storage temperature -40°C to +85°C

LED ELECTRICAL CHARACTERISTIC			
GREEN	11	12	YELLOW
	14	13	
LEFT LED		RIGHT LED	

Standard LED	Wavelength	Forward V (Min/Max)	Forward A	Type
Green	568nm	1.8V/2.8V	20mA	squareness
Yellow	585nm	1.8V/2.8V	20mA	squareness

H D C 有 限 公 司

FILE NO :	TITLE	UN IT	mm
TOLERANCE (+) :	PA RT NO.	!	inch
0.000 mm ±0.15 mm	* +	SCALE	1 : 1
0.00 mm ±0.20 mm	DR AW N BY	#	
0.0 mm ±0.30 mm	\$ %	REV.	A.0
	CH EC K E D BY	()	
A0 RELEASED Peng 23/06-20	DATE & , 2020-06-23		
REV DESCRIPTION APP D. Date	DATE & ,		

FILE NO :	TITLE	UN IT	mm
TOLERANCE (+) :	PA RT NO.	!	inch
0.000 mm ±0.15 mm	* +	SCALE	1 : 1
0.00 mm ±0.20 mm	DR AW N BY	#	
0.0 mm ±0.30 mm	\$ %	REV.	A.0
	CH EC K E D BY	()	
A0 RELEASED Peng 23/06-20	DATE & , 2020-06-23		
REV DESCRIPTION APP D. Date	DATE & ,		

ELECTRICAL SPECIFICATIONS @ 25 C UNLESS OTHERWISE NOTED:

Electrical:

1. Turn Ratio:

P1~P2:J1~J2=1CT:1CT(!2%).

P3~P6:J3~J6=1CT:1CT(!2%).

P4~P5:J4~J5=1CT:1CT(!2%).

P7~P8:J7~J8=1CT:1CT(!2%).

2. OCL:

180uH Min. @ 100KHz 0.1V.

3. Insertion Loss:

-1.0 dB Max 1~125MHz.

4. Return Loss:

-20dB Min 1~40MHz;

-20+15LOG₁₀(f/40MHz) Min 40~200MHz.

5. Crosstalk:

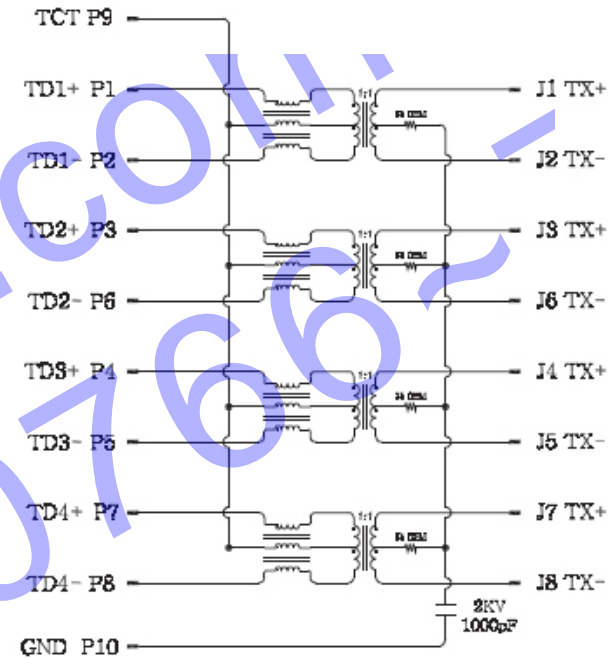
-30dB Min 1~125MHz.

6. CMR:

-30dB Min 30~200MHz;

7. HiPot: 2250V DC RMS Min at 60 seconds

SCHEMATICS:



H D C 有 限 公 司

A0	RELEASED	Peng	23/06-20
REV	DESCRIPTION.	APPD.	Date

FILE NO :	TITLE %,	RJ45 Connector With Transformer 2.5G Tab-Down 1x2 Port With LED		UNIT !	mm inch
TOLERANCE(+): 0.000 mm ! 0.15 mm 0.00 mm ! 0.20 mm 0.0 mm ! 0.30 mm	PART NO. * +	GRJJ-W4234		SCALE #	1 : 1
	DRAWN BY \$ %	DATE &	2020-06-23	REV. ()	A.0
	CHECKED BY - .	DATE &			

A

B

C

D