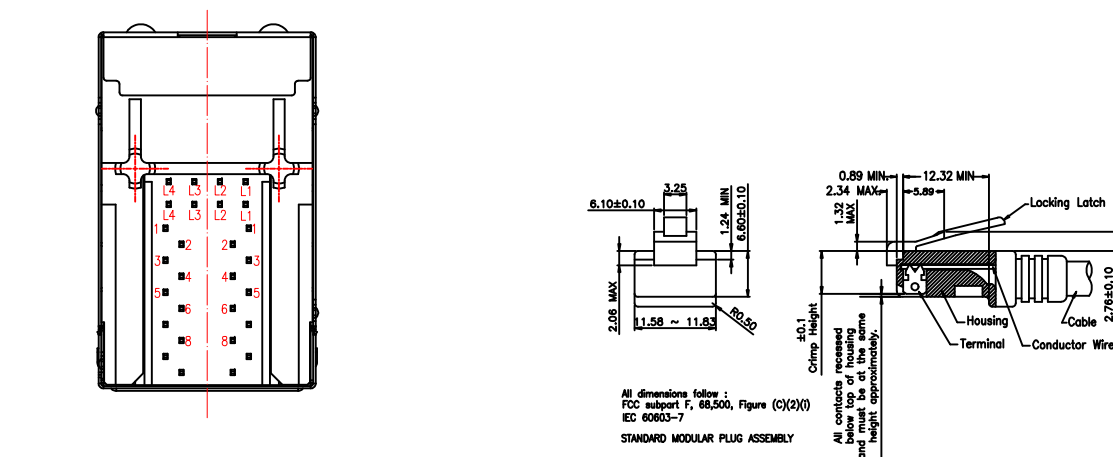
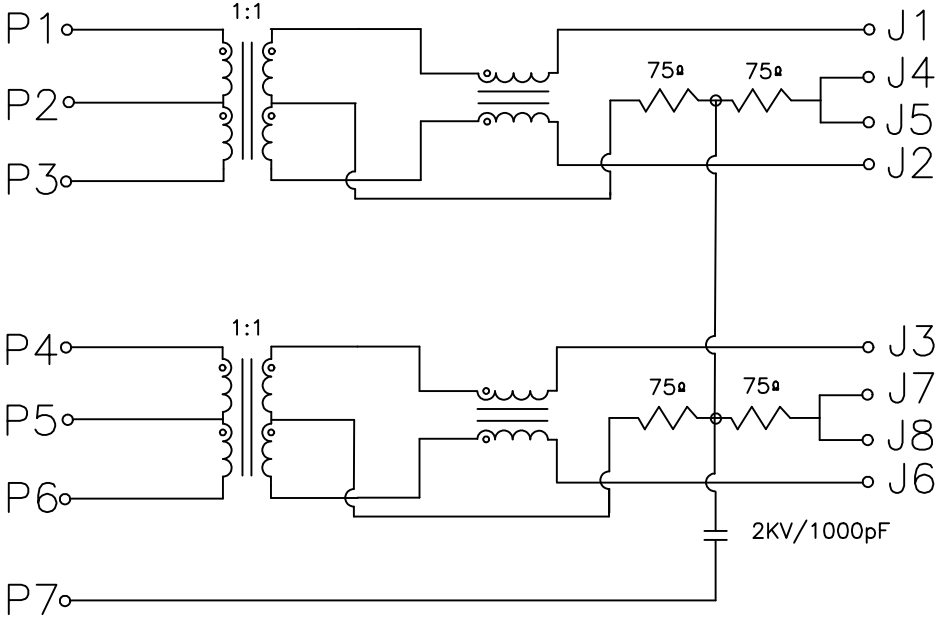




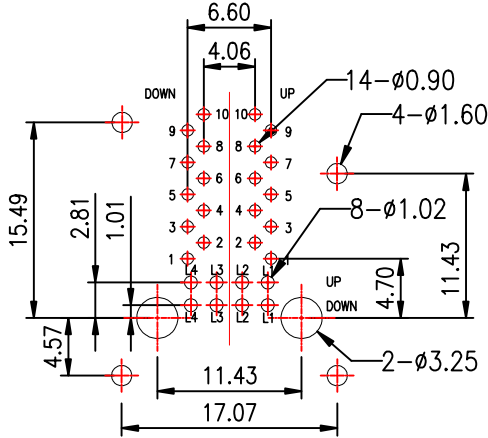
R X X X X X X X X X X R
 R=RL45-CONNECTOR
 S=SPF-CONNECTOR
 TRANSMISSION RATE CODE
 P=10/100BASE
 Q=2GB
 S=2.5G
 M=5G
 T=10G
 PLASTIC MATERIAL CODE
 1=PET
 3=PA66
 3=PA66
 4=PAET
 5=PAET
 8=PLCP
 LED CODE
 CIRCUIT CODE
 PLATING CODE
 A=0µF
 B=6µF
 C=18µF
 D=30µF
 E=50µF
 A=Non-PoE
 P=PoE
 S=Surge
 H=Surge PoE
 SERIES CODE
 A=TAB-DOWN 0.85 INCH
 B=TAB-UP 0.85 INCH
 F=TAB-UP 1 INCH
 G=TAB-UP 1.25 INCH
 P=TAB-DOWN L=24mm
 S=TAB-UP L=24mm
 T=TAB-UP L=24mm
 U=45° H=15°
 V=180° VERTICAL
 M=22N CONVENTIONAL
 N=22N CONVENTIONAL POE SERIES
 SHELL MORPHOLOGY CODE
 A=W/LED W/SPRING
 B=W/LED W/O SPRING
 C=W/O LED W/SPRING
 D=W/O LED W/O SPRING
 Z=W/O SHELL
 E=W/O SHELL W/LED
 F=W/O SHELL W/O LED
 POST CODE
 A=MUSHROOM STEM
 B=CRACK STEM
 C=HALF MUSHROOM STEM
 D=HOLLOW ROUND STEM
 F=COLLULAR 1 STEM
 G=NO STEM
 H=SHOULDER ROUND STEM
 R=Reals
 H=Real (Holcom-Free)

	SHEET:	1 OF 2	REV:	DWG NO:	REMARK:	RoHS Compliant 
	SCALE:	1:1	A	RM1-0138	XXX-XXXX	

B.SCHEMATICS



C:PIN ASSIGNMENT FOR PCB LAYOUT



SUGGESTED PCB PAD LAYOUT
COMPONENT SIDE VIEW

REV	ECN NO	DESCRIPTION	DATE
A	/	New Drawing	2025/2/27

D. ELECTRICAL SPECIFICATIONS @25℃

TRANSMITTER FILTER & RECEIVER FILTER

TYPE : BALANCE LOW PASS 100Ω IMPEDANCE

INSERTION LOSS : 1~100MHz -1.0dB MAX.

RETURN LOSS : 1~30MHz -18dB MIN. LOAD 100Ω
30~60MHz -16dB MIN. LOAD 100Ω
60~80MHz -12dB MIN. LOAD 100Ω
80~100MHz -10dB MIN. LOAD 100Ω

COMMON MODE REJECTION
@1~100 MHz -30dB MIN.

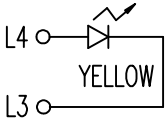
CROSS TALK
@ 1~100MHz -30dB MIN.

INDUCTANCE (OCL) @ 100KHz, 0.1V, 8mA DC BIAS 350 uH MIN.

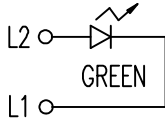
DCR:1.2 OHM MAX

HIPOT TEST
PHY SIDE(INPUT) TO CABLE SIDE(OUTPUT) : 1500Vrms 60S

E:LED SPECIFICATION



LEFT LED



RIGHT LED

Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
GREEN	570	1.7 ~2.6 V	10μA max
YELLOW	590	1.7 ~2.6 V	10μA max

X. ± 0.40	APPD: LOUIS		思科飞尔技术（深圳）有限公司			
.X ± 0.30			SISCOFER TECHNOLOGY (SHENZHEN) CO.LTD			
.XX ± 0.25	CHKD: ZHOU		PART NO: RM1-FB6B2051BAR			
.XXX ± 0.20			TITLE: 2X1Port 10/100BASE-T RJ45 JACK Magnetics			
X* ± 3' .X* ± 2'	DR: LIANG					
UNITS: mm						
	SHEET: 2 OF 2	REV: A	DWG NO: RM1-0138	REMARK: XXX-XXXX		
	SCALE: 1:1					