

- NOTES:
1. MATERIAL:
HOUSING: PA66 BLACK UL94V-0
CONTACTS: PHOSPHOR BRONZE
GOLD FLASH ON CONTACT AREA, TIN PLATING ON SOLERAIL
SHIELD: COPPER ALLOY
NICKEL PLATING OVERALL
 2. CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
PART 68, SUBPART F.
 3. OPERATING TEMPERATURE: -40°C~85°C
STORAGE TEMPERATURE: -40°C~85°C

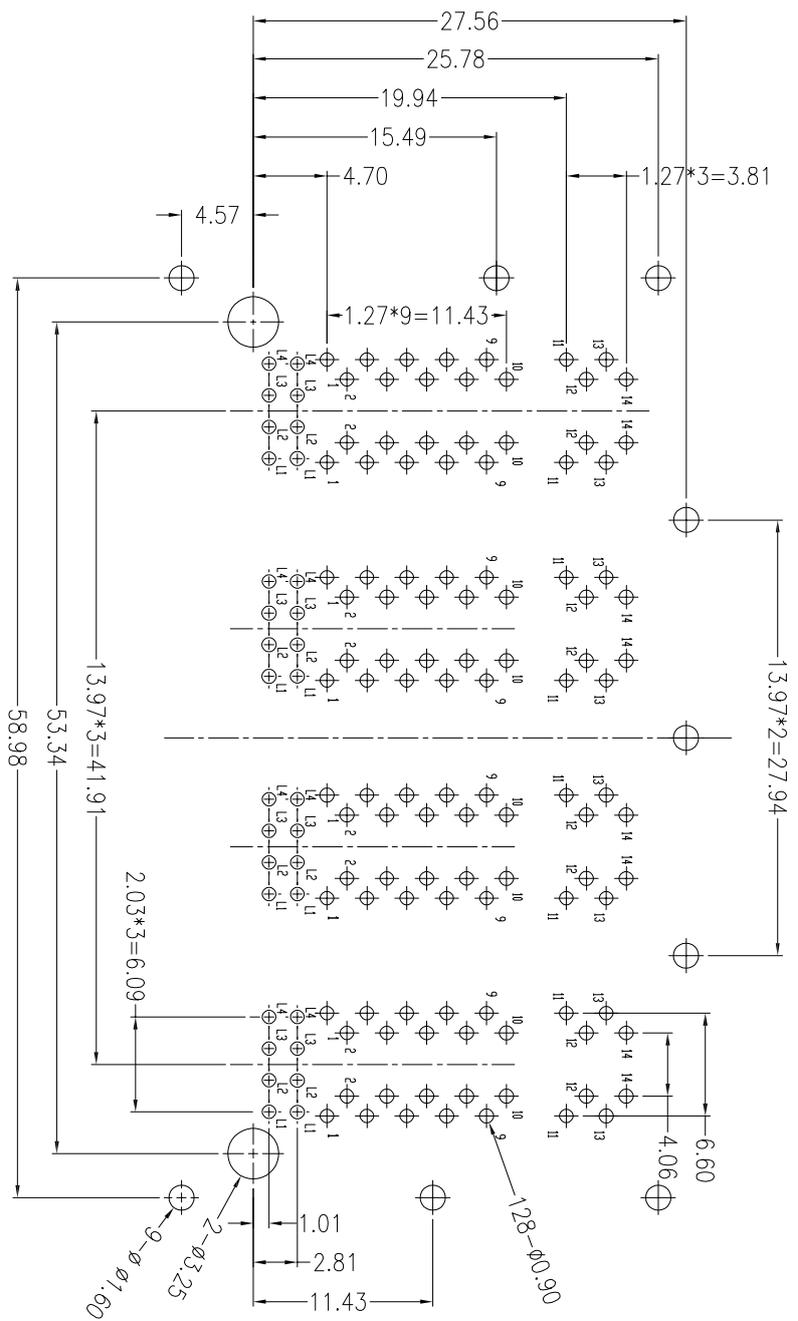
JAN 东莞市建旭电子有限公司
JANSUM ELECTRONICS (DONGGUAN) CO., LTD
[Http://www.jansum.cn](http://www.jansum.cn)

APPROVE	SIZE: A4	SCALE 2:1	UNITS mm
CHECK	REV ECN NUMBER	DATE	DRAW
DRAW	A NEW RELEASE	2021-4-14	ZHANGYANBIN

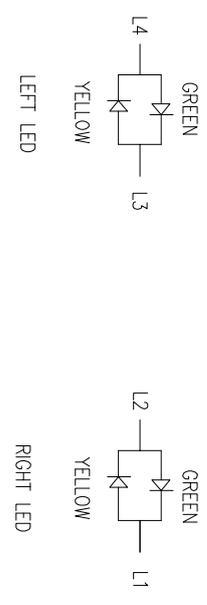
GENERAL TOLERANCE	DWG NO.	REV
.X±0.38 X.±2°	G241001YQ	A/0
.XX±0.25 .X.±1°	TITLE: RJ45 2X4 MAG JACK (GIGABIT) W/SHELL&LED DIP TYPE (POE)	SHEET 1/3
.XXX±0.13		



NOTE : ◇ EC ⊗ DIM NUMBER ■ QC INSPECTION ITEM ▼ CPK ITEM DOCUMENT NO.:



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
TOLERANCE ±0.05



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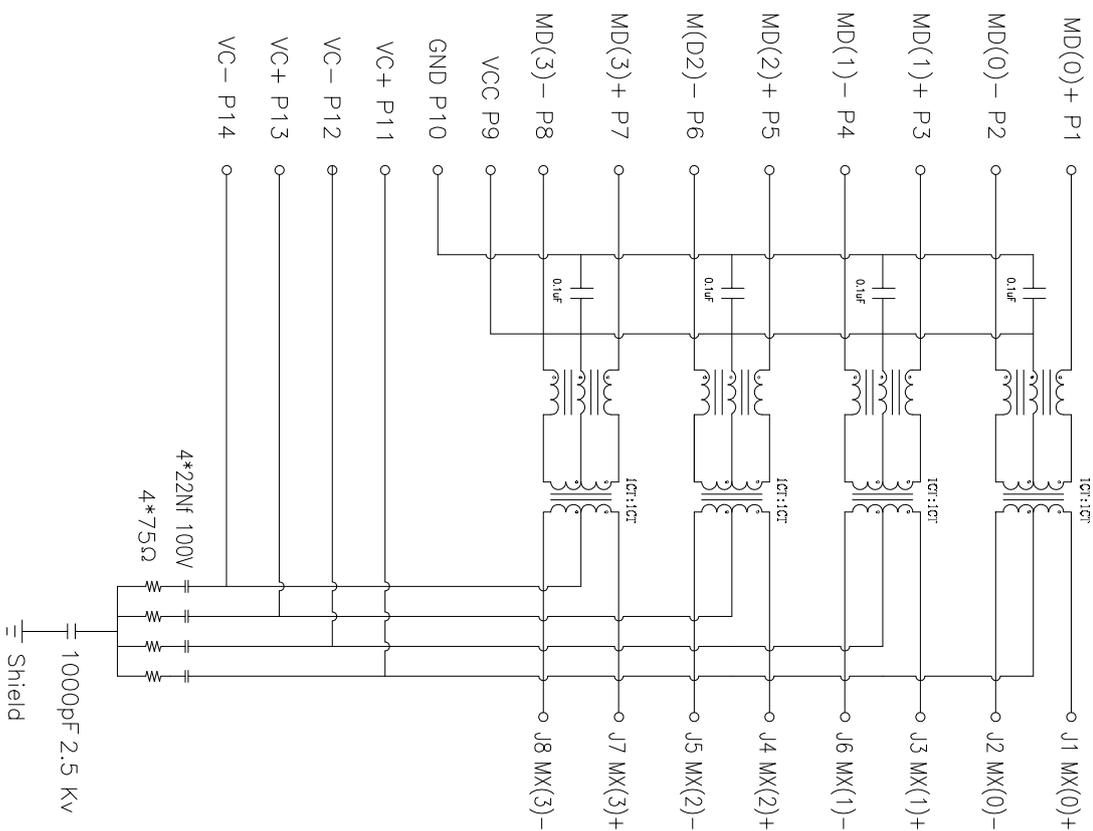
APPROVE	SIZE: A4	SCALE 2:1	UNITS mm	GENERAL TOLERANCE
CHECK	REV ECN NUMBER	DATE	DRAW	.X±0.38 X°±2°
DRAW	A NEW RELEASE	2021-4-14	ZHANGYANBIN	.XX±0.25 .X°±1°
				.XXX±0.13

DWG NO.	REV
G241001YQ	A/0
TITLE:	SHEET
RJ45 2X4 MAG JACK(GIGABIT) W/SHELL&LED DIP TYPE (POE)	2/3

SCHEMATIC:

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



ELECTRICAL CHARACTERISTICS(25±5°C)

- TR: (100KHz, 0.1V): 100%
PINS: (P1, P2): (J1, J2) = 1:1 ±3%, (P3, P4): (J3, J6) = 1:1 ±3%
PINS: (P5, P6): (J4, J5) = 1:1 ±3%, (P7, P8): (J7, J8) = 1:1 ±3%
- LX: (100KHz, 100mV, 8mA, DC Bias) 100%
PINS: (J1, J2), (J3, J6) = 350uH MINIMUM
PINS: (J4, J5), (J7, J8) = 350uH MINIMUM
- DCR: 100%
PINS: (P1, P2), (P3, P4) = 1.2 Ω MAXIMUM
PINS: (P5, P6), (P7, P8) = 1.2 Ω MAXIMUM
- HPOT: 100%
PINS: (P1, P2) TO (J1, J2), (P3, P4) TO (J3, J6) = 2500VDC FOR 60 SECONDS
PINS: (P5, P6) TO (J4, J5), (P7, P8) TO (J7, J8) = 2500VDC FOR 60 SECONDS
- INSERTION LOSS:
- RETURN LOSS:
- 1.0dB MAXIMUM AT 1MHz TO 100MHz;
- CROSS TALK:
- 30dB MINIMUM AT 1MHz TO 100MHz
- COMMON TO COMMON MODE REJECTION:
- 30dB MINIMUM AT 1MHz TO 100MHz
- POE RATING: 720mA MAX@57V DC CONTINUOUS

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APPROVE	SIZE: A4	SCALE: 2:1	UNITS: mm
CHECK	REV: A	DATE: 2021-4-14	DRAWN: ZHANGYANBIN
DRAW	NEW RELEASE		

GENERAL TOLERANCE	X ± 0.38	X ± 2°
	.XX ± 0.25	.X ± 1°
	.XXX ± 0.13	

DWG NO.	G241001YQ
TITLE:	RJ45 2X4 MAG JACK (GIGABIT) W/SHELL/LEAD DIP TYPE (POE)

REV	A/0
SHEET	3/3

