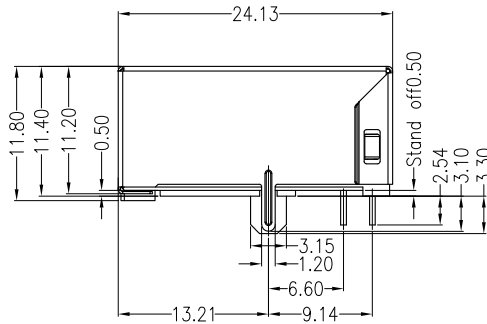
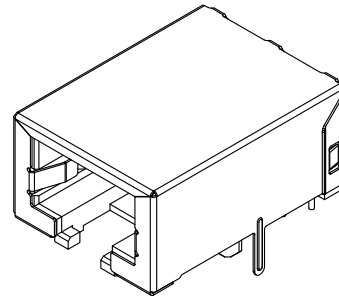
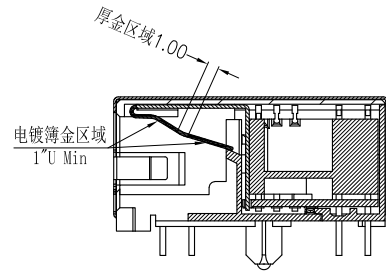
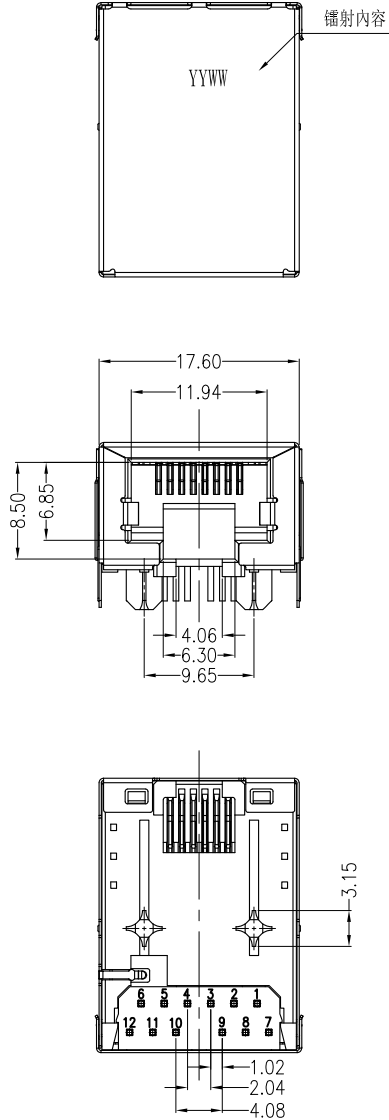
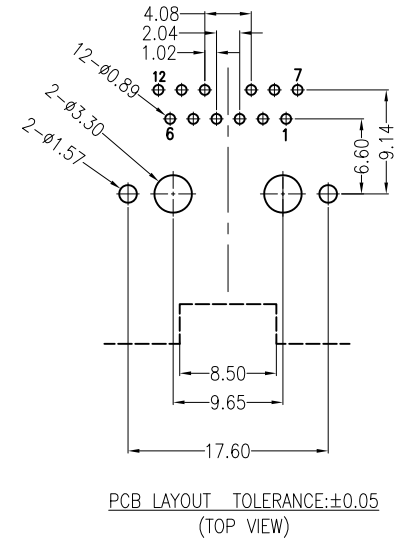


1. MECHANICAL DIMENSIONS :



2. PCB LAYOUT :



NOTES:

1. MATERIAL:

HOUSING: LCP, BLACK, UL 94V-0  
CONTACT: PHOSPHOR BRONZE, T=0.30mm.  
SHELL: BRASS, T=0.20mm.

2. FINISH:

CONTACT: 50u" MIN. NICKEL UNDERPLATING ALL AREA,  
100u" MIN. TIN ON SOLDER TAILS,  
GOLD PLATING ON CONTACT AREA .

SHELL: 30u" MIN. NICKEL PRE-PLATING ALL AREA.

3. OPERATING TEMPERATURE: 0°C ~ +70°C.

4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F

REV.	ECN. NO.	DRAWN	DATE	EC.content
A.0	NEW	Tony	03/15/2022	



⊗: QUALITY CONTROL ITEM		GENERAL TOLERANCE		PART NO.: FDD-CB40-68D5	
APPROVED		.X ± 0.38	X: ± 2"	TITLE: RJ45 CONN W/O LED	
CHECKED		.XX ± 0.25	.X' ± 1"	10G FILTER	
DRAWN		.XXX ± 0.13		UNIT: mm	SCALE: 1:1
				SHEET: 1/2	REV.: A.0

1

2

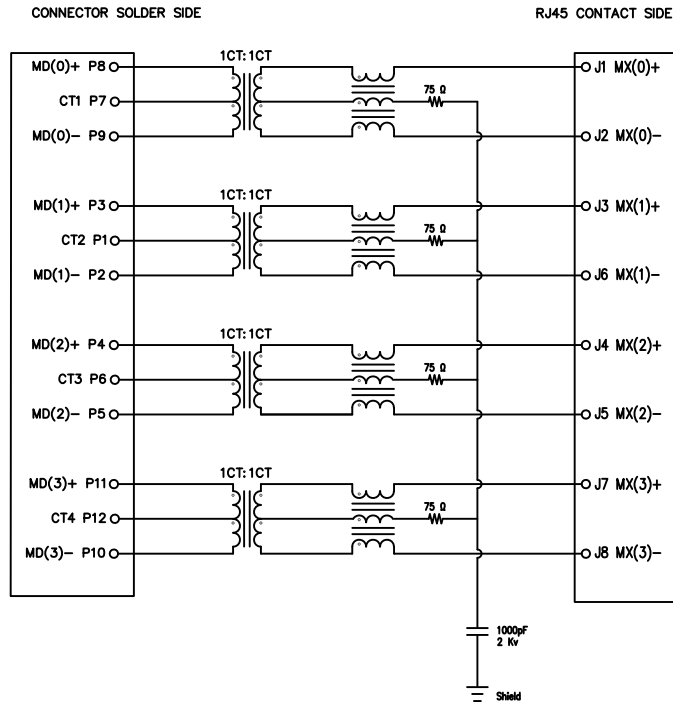
3

說明: △: 備註 ◇: 版本變更 (N): 尺寸序號 ■: 重點尺寸 ▼: CPK尺寸

DOCUMENT NO. : ZERO013/A.3

SIZE: A4

3. SCHEMATIC:



E-CONN PART NO:

F D D - C B 4 0 - 6 8 D 5

SHELL CODE NO SPRING

HOUSING CODE LCP, BLACK

W/O LED

CIRCUIT TYPE

PLATING CODE GOLD 30u"

4. ELECTRICAL CHARACTERISTICS :

TEST NOTES: (0~70°C)

- TR: (100KHz, 0.1V); 100%  
PINS: (P8, P9): (J1, J2)=1:1±3%; (P3, P2): (J3, J6)=1:1±3%  
PINS: (P4, P5): (J4, J5)=1:1±3%; (P11, P10): (J7, J8)=1:1±3%
- LX: (100KHz, 100mV, 8mA, DC Bias) 100%  
PINS: (P8, P9), (P3, P2)=160uH MINIMUM  
PINS: (P4, P5), (P11, P10)=160uH MINIMUM
- DCR: 100%  
PINS: (J1, J2), (J3, J6)=1.2 Ω MAXIMUM  
PINS: (J4, J5), (J7, J8)=1.2 Ω MAXIMUM
- HIPOT: 100%  
PINS(P8, P9) TO (J1, J2), (P3, P2) TO (J3, J6)=1500VAC FOR 60 SECONDS  
PINS(P4, P5) TO (J1, J2), (P11, P10) TO (J3, J6)=1500VAC FOR 60 SECONDS
- INSERTION LOSS:  
-1.0dB MAXIMUM AT 1MHz TO 100MHz;  
-1.2dB MAXIMUM AT 100MHz TO 200MHz;  
-2.0dB MAXIMUM AT 200MHz TO 400MHz;  
-3.0dB MAXIMUM AT 400MHz TO 500MHz;
- RETURN LOSS:  
-22dB MINIMUM AT 1MHz TO 100MHz;  
-22+18.27\*log(Freq MHZ/100MHZ)dB MINIMUM AT 100MHz TO 500MHz
- CROSS TALK:  
-28dB MINIMUM AT 1MHz TO 100MHz  
-19dB MINIMUM AT 100MHz TO 500MHz
- COMMON TO COMMON MODE REJECTION:  
-30dB MINIMUM AT 1MHz TO 500MHz
- CM TO DM CONVERSION:  
-30dB MINIMUM AT 1MHz TO 500MHz

REV.	ECN. NO.	DRAWN	DATE	EC.content
A.0	NEW	Tony	03/15/2022	



⊗: QUALITY CONTROL ITEM	GENERAL TOLERANCE .X±0.38 X'.±2' .XX±0.25 .X'±1' .XXX±0.13	PART NO.: FDD-CB40-68D5
APPROVED		TITLE: RJ45 CONN W/O LED
CHECKED		10G FILTER
DRAWN	UNIT: mm	SCALE: 1:1
		SHEET: 2/2
		REV.: A.0

1

2

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説明: △: 備註 ◇: 版本變更 ①: 尺寸序號 ■: 重點尺寸 ▼: CPK 尺寸

DOCUMENT NO. : ZER0013/A.3

SIZE: A4