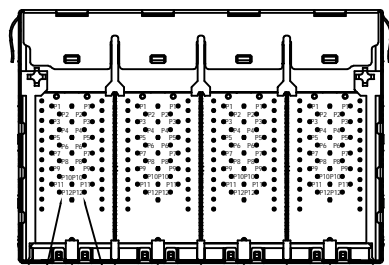
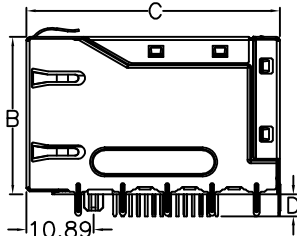
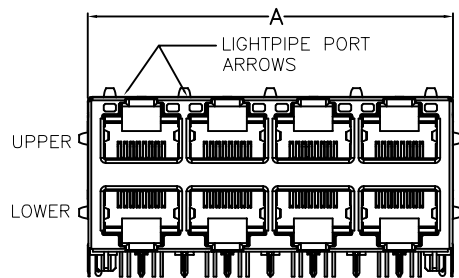
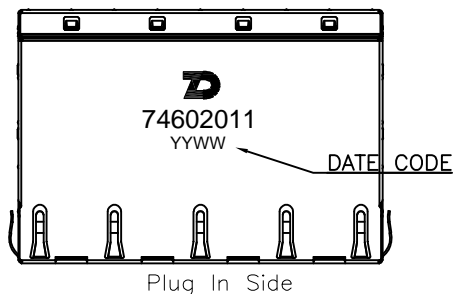


RoHS Compliant

1.Mechanical:



For Lower Row RJ45 Ports
For Upper Row RJ45 Ports

UNIT : mm / inch
 A = 59.31 / 2.335
 B = 25.58 / 1.007
 C = 41.16 / 1.620
 D = 3.56 / 0.140

Unless otherwise specified,all dimensions tolerances is $\pm 0.254 / 0.010$.

Notes:

- CONNECTOR MATERIAL:
 HOUSING: THERMOPLASTIC BLACK UL94 V-0
 SHIELD: Brass
 SHIELD PLATING: NICKEL
 CONTACT: PHOSPHOR BRONZE
 CONTACT PLATING: GOLD, 50 MICRO-INCHS MIN IN CONTACT AREA
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
- RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK TEMPERATURE IS 260° C MAX, 10 SECS MAX
- MAXIMUM SMT LED HEIGHT SHOULD NOT EXCEED 1.1mm
- OPERATING TEMPERATURE T=0° C TO +70° C.
- STORAGE TEMPERATURE T=-40° C TO +85° C.

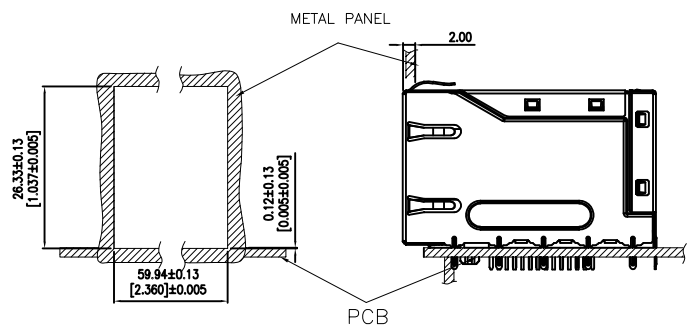
REV	MODIFICATION	DATE	DRAW	APPROVE

QC : inspection item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd		
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE		
	.X± 0.38	X.*± 2.0'	RJ45 2X4 5G		
	.XX± 0.20	.X*± 1.0'	DRAWING NUMBER		
	.XXX± 0.10		74602011		
APPROVE	CHECK	DRAW	PROJ.	SHEET 1 OF 3	
		CLT 2025,01,22	SCALE 1:1	SIZE A3	
				REV A	

RoHS Compliant

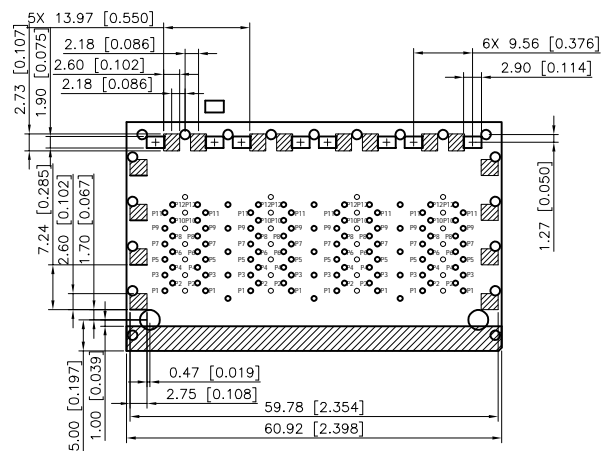
REV	MODIFICATION	DATE	DRAW	APPROVE

2.Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ±0.10 / 0.004

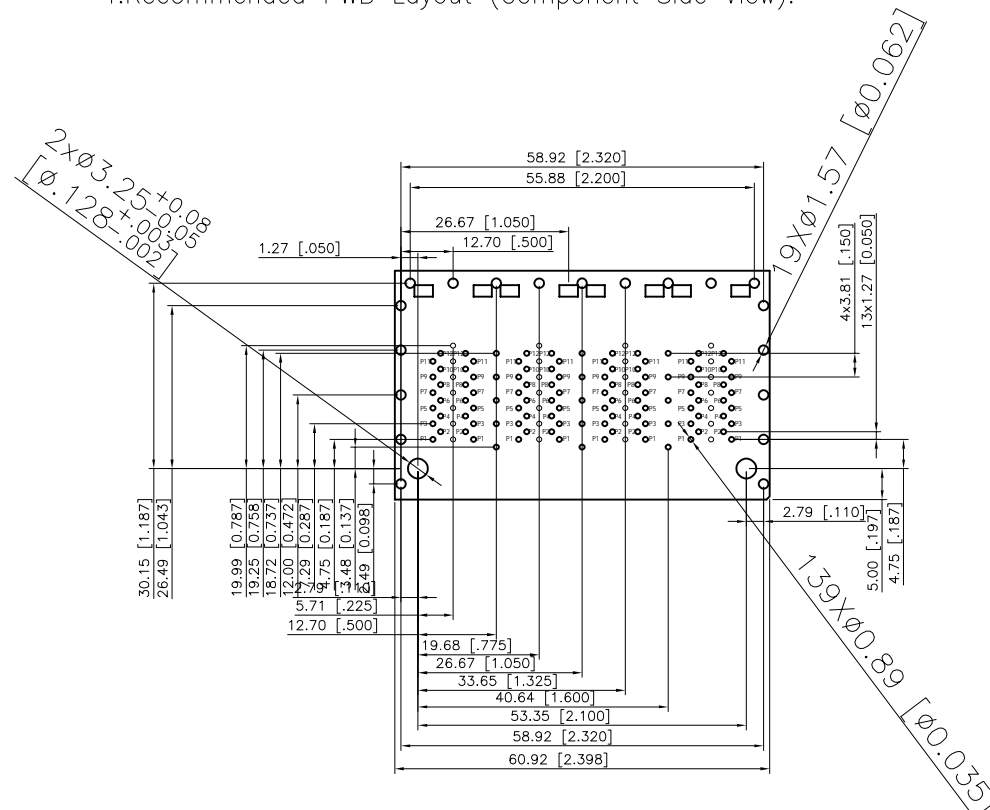
3.Keep-Out Area (Component Side View):



Plug-in side

UNIT: mm / inch
Tolerances: ±0.10 / 0.004

4.Recommended PWB Layout (Component Side View):



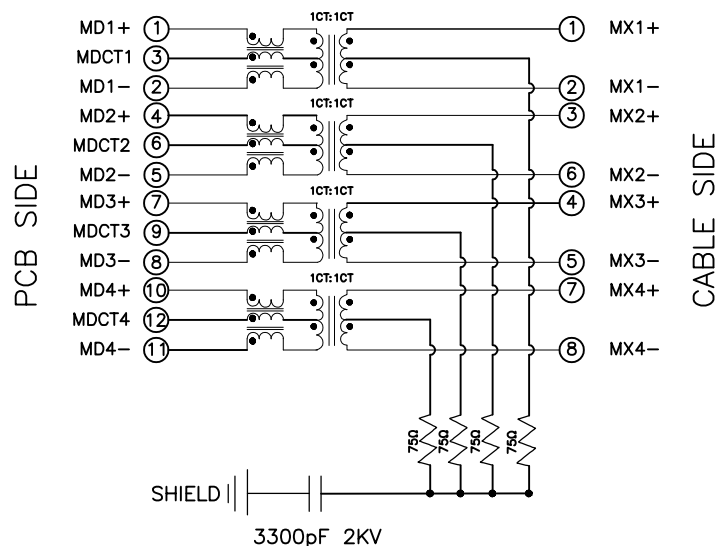
Plug-in side

UNIT: mm / inch
Tolerances: ±0.10 / 0.004

QC : Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd		
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE		
	.X± 0.38	X.*± 2.0'	RJ45 2X4 5G		
	.XX± 0.20	.X*± 1.0'	DRAWING NUMBER		
.XXX± 0.10		74602011			
APPROVE	CHECK	DRAW	PROJ.	SHEET 2 OF 3	
		CLT 2025,01,22	SCALE 1:1	REV A	
			SIZE A3		

RoHS Compliant

5.Schematic:



REV	MODIFICATION	DATE	DRAW	APPROVE

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	0°C TO +70°C			
URNS RATIO	1.00 ± 2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS (SDD21&SDD12)	1-50MHz	50-125MHz	125-250MHz	200-250MHz
	-0.5 dB MAX	-1.0 dB MAX	-2 dB MAX	-2.5 dB MAX
PHY-SIDE RETURN LOSS (SDD11-Zref=100 OHMS ± 1%)	1-50MHz		50-250MHz	
	-20 dB MIN		-20+15*LOG10(f/40) dB MIN	
LINE-SIDE RETURN LOSS (SDD22-Zref=100 OHMS ± 1%)	1-50MHz		50-250MHz	
	-20 dB MIN		-20+15*LOG10(f/40) dB MIN	
INDUCTANCE (OCL)	160 uH MIN @ 100KHz, 100mV/8mV ADC Bias			
CROSSTALK, ADJACENT CHANNELS (SDD21-ADJ.)	1-125MHz		125-250MHz	
	-30 dB MIN		-25 dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	1-250MHz			
	-23 dB MIN			
COMM. TO DIFF REJECTION RATIO (SDC12)	1-250MHz			
	-23 dB MIN			
INPUT-OUTPUT ISOLATION	2250 VDC FOR 60 SECONDS			

NOTE: f IS FREQUENCY IN MHZ.

QC : Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd		
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE		
	.X ± 0.38	X.* ± 2.0'	RJ45 2X4 5G		
	.XX ± 0.20	.X* ± 1.0'	DRAWING NUMBER		
.XXX ± 0.10		74602011			
APPROVE	CHECK	DRAW	PROJ.	SHEET 3 OF 3	
		CLT 2025,01,22	CLT 2025,01,22	REV A	
			SCALE 1:1	SIZE A3	