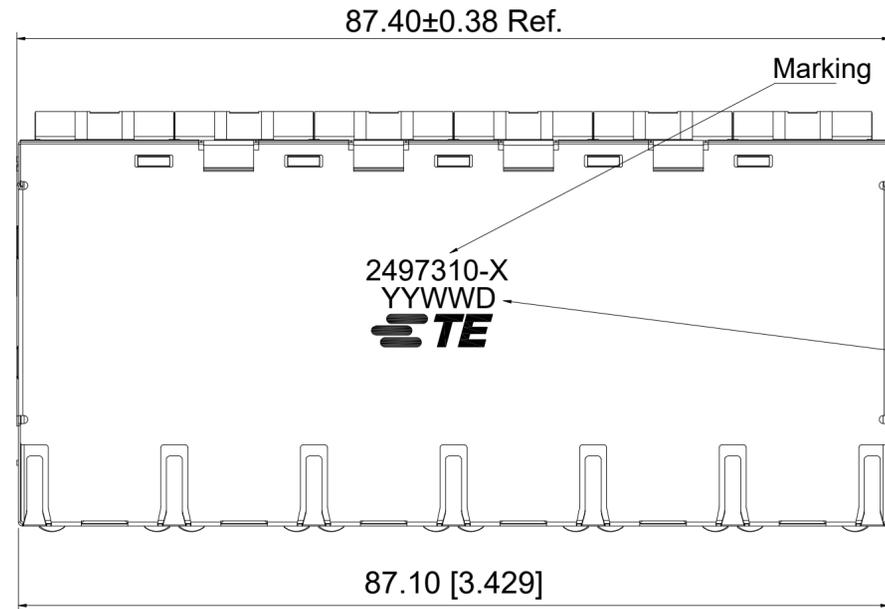


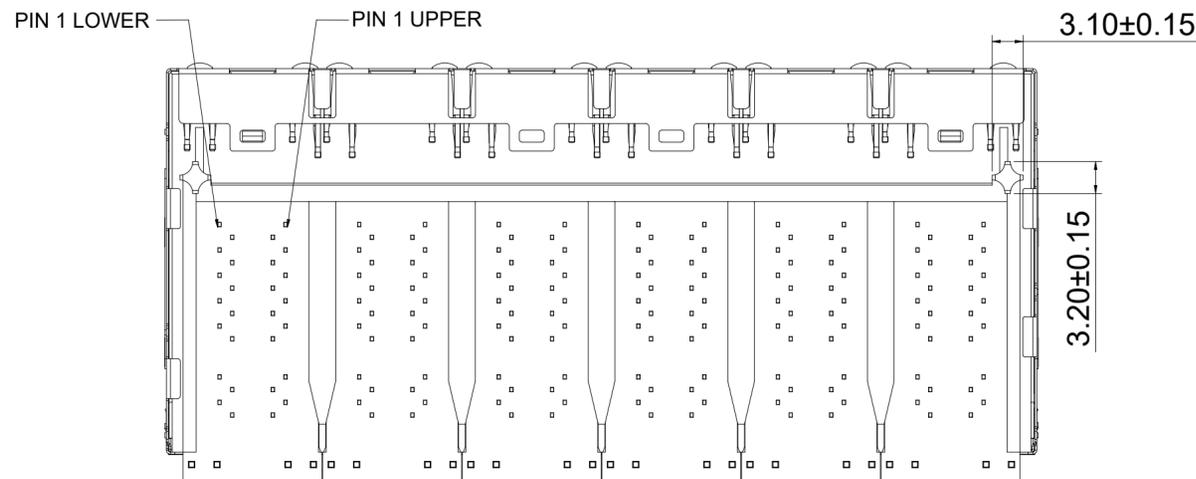
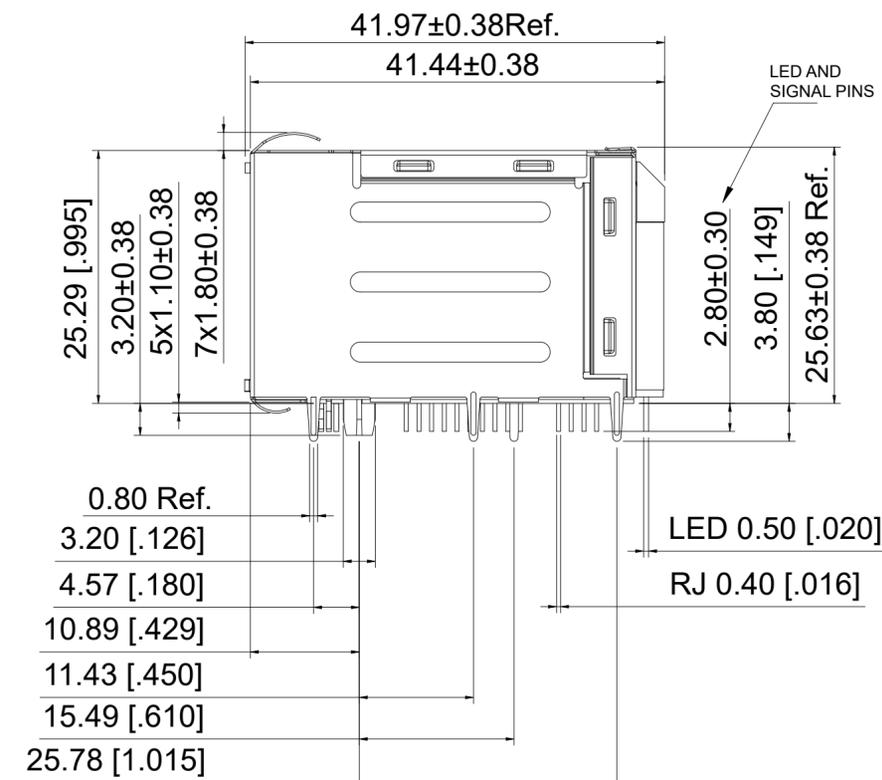
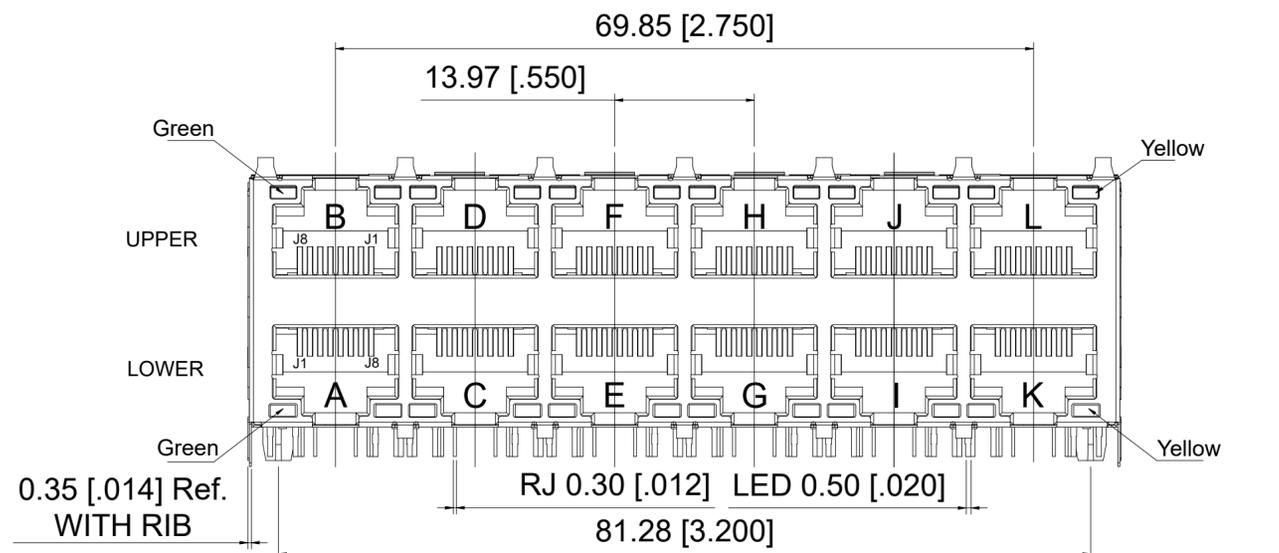
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-301496	10JAN2025	TR	RCG



Note:  
X= 1,2,3,4,5,6  
YYWWD  
YY=YEAR  
WW=WEEK  
D=1 for Sunday - 7 for Saturday

NOTE :

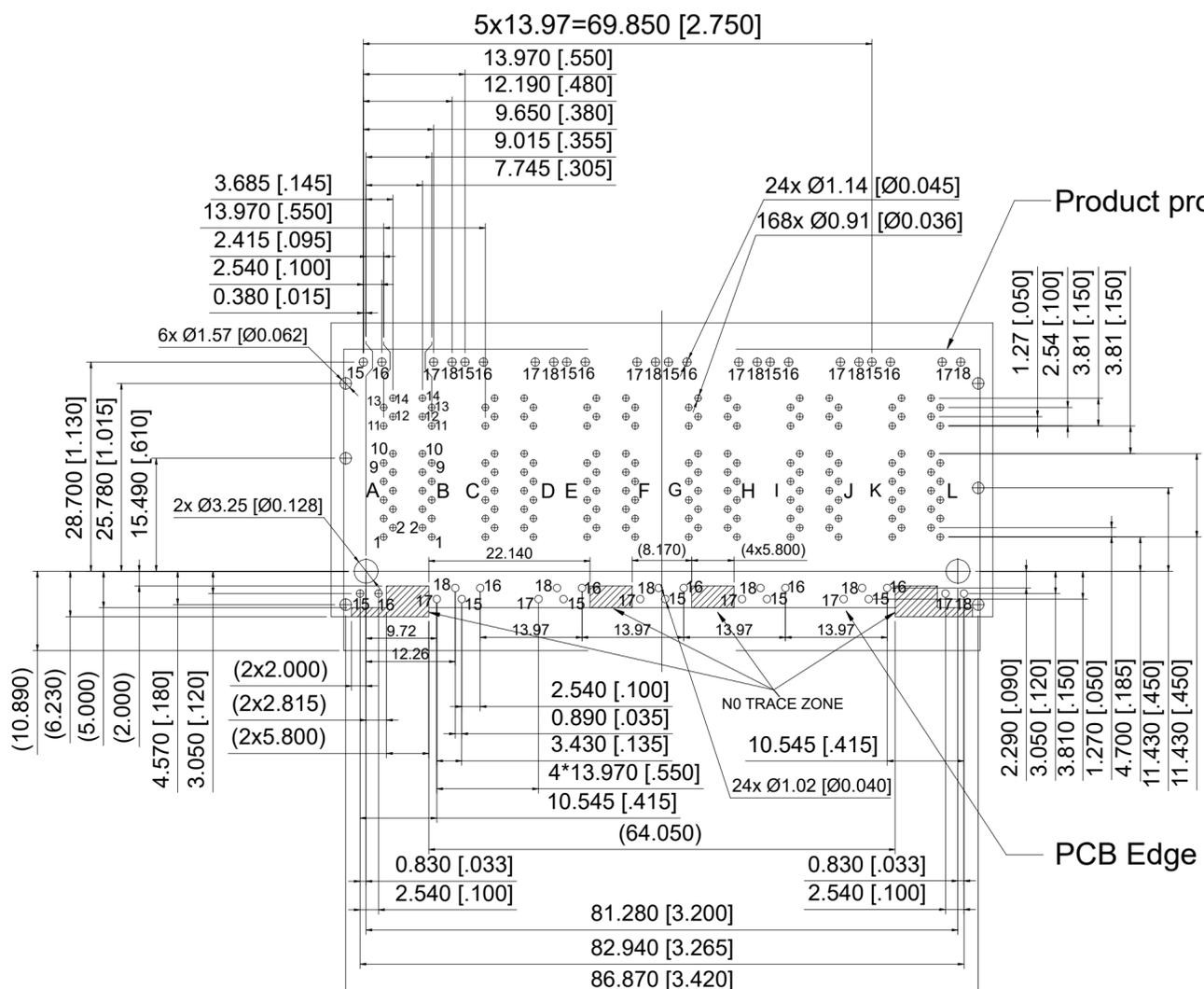
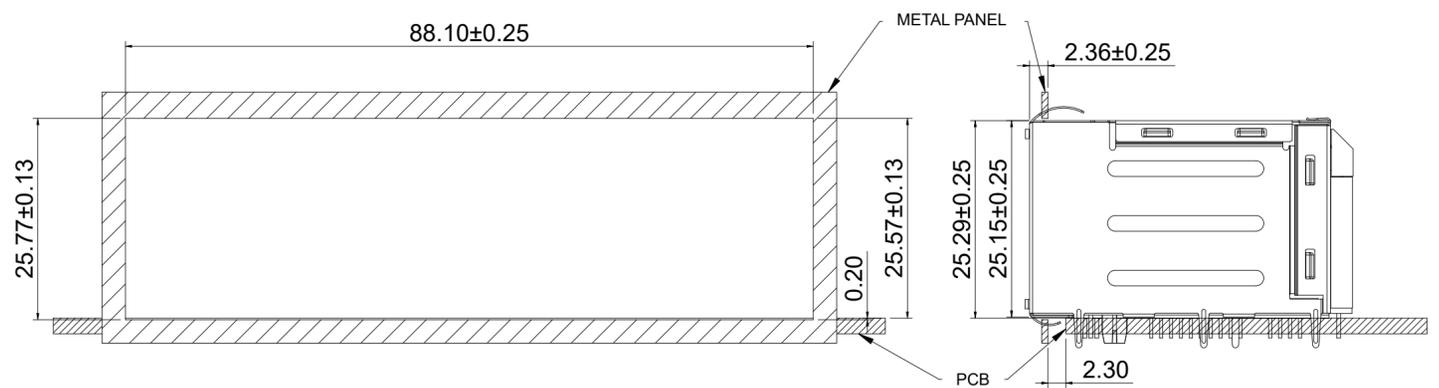
- 1.HOUSING:GLASS FILLED PA6T(BLACK) UL94V-0(RoHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
- 3.SHIELD:0.2mm THICKNESS WITH BRASS.
- 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F
- 5.THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX,10 SECS MAX.
- 6.OPERATING TEMPERATURE: -40°C TO +85°C.  
STORAGE TEMPERATURE:-40°C TO +85°C.



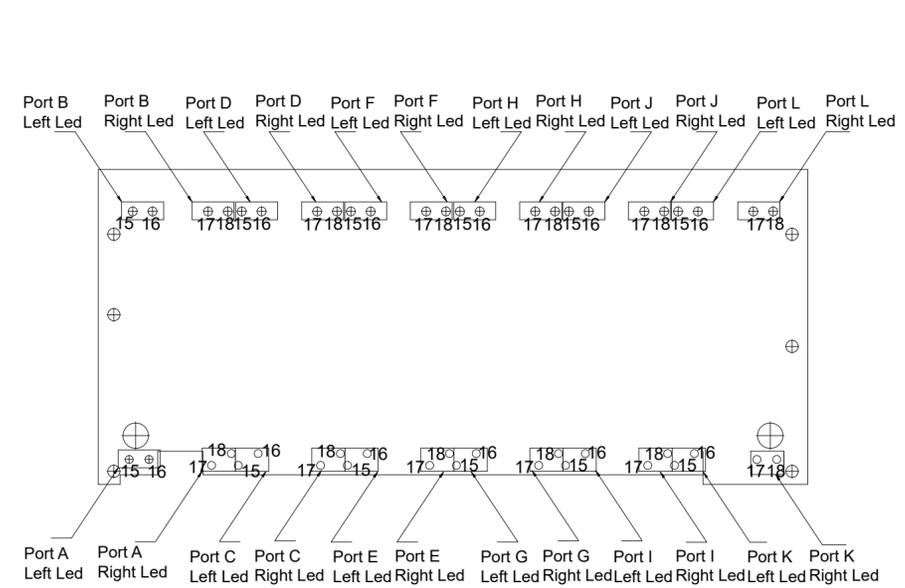
GF	PART NUMBER
0.0762 μm [3μ"]	2497310-6
0.1524 μm [6μ"]	2497310-5
0.381 μm [15μ"]	2497310-4
0.762 μm [30μ"]	2497310-3
1.27 μm [50μ"]	2497310-2
GOLD PLATING THICKNESS	2497310-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 21NOV2024	<b>STE</b> TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 22NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 22NOV2024	NAME RJ45 2X6/Through Hole/UPoE+(60W) 1000Base-T W/LED	
0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2		PRODUCT SPEC 108-161622	SIZE A2	
MATERIAL -		FINISH -	APPLICATION SPEC 114-161219	CAGE CODE 00779
		WEIGHT -	DRAWING NO C=2497310	RESTRICTED TO -
		CUSTOMER DRAWING		SCALE 1:1
				SHEET 1 of 3
				REV A

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



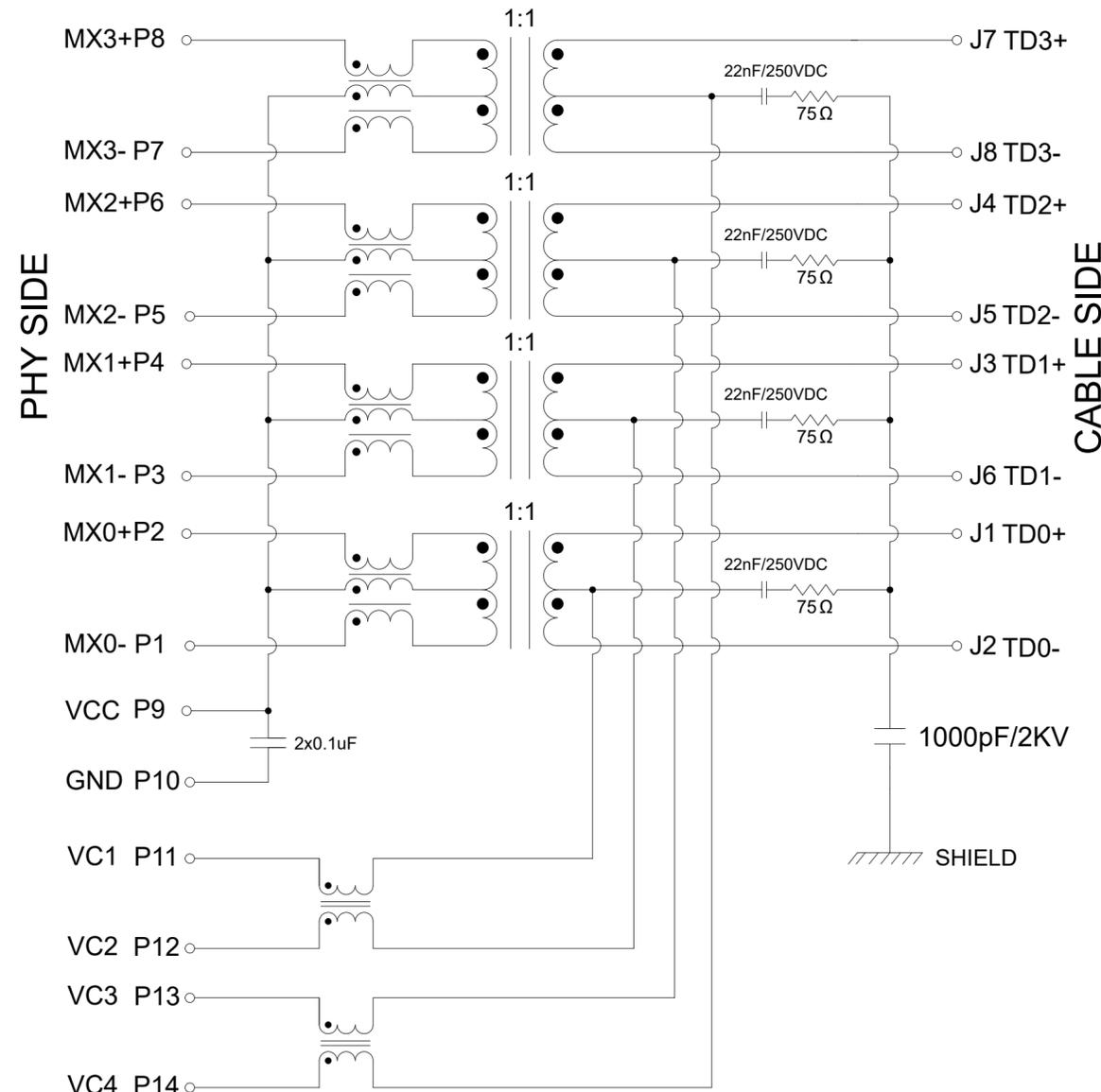
RECOMMENDED P.C.B LAYOUT TOP VIEW (COMPONENT SIDE)  
 Dimension Tolerance:  
 PCB LAYOUT Tolerances: ±0.05[0.002]



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 21NOV2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 22NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 22NOV2024	NAME RJ45 2X6/Through Hole/UPoE+(60W) 1000Base-T W/LED	
0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2		PRODUCT SPEC 108-161622	SIZE A2	CAGE CODE 00779
MATERIAL -		FINISH -	DRAWING NO 114-161219	RESTRICTED TO -
		WEIGHT -	SCALE 1:1	SHEET 2 OF 3
		CUSTOMER DRAWING	REV A	

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

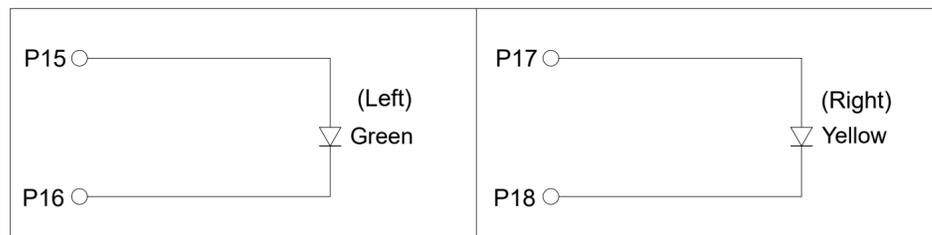
# Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
URNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	220uH MIN@100KHz/100mV With 15mA DC Bias For(CHANNEL1-4) 350uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL1-4)
INSERTION LOSS(IL)	-1.1dB MAX@0.3MHz-100MHz;
RETURN LOSS(RL) (Z out=100 OHM)	-18dB MIN@1MHz-30MHz; -16dB MIN@30MHz-60MHz; -12dB MIN@60MHz-80MHz;-10dB MIN@80MHz-100MHz;
CROSSTALK (ADJACENT CHANNELS)	-30dB MIN@1MHz-100MHz;
COMMON MODE REJECTION RATIO(CMRR)	-30dB MIN@1MHz-100MHz;
DC CURRENT/VOLTAGE RATING-PSE PINS	720mA MAXIMUM@57VDC(CONTINUOUS)
HI-POT	2250 VDC@60 SECONDS

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Farward V(max)	TYP
GREEN	570nm	2.6V	2.2V
YELLOW	590nm	2.6V	2.0V

\*WITH A FORWARD CURRENT OF 20mA



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 21NOV2024																										
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 22NOV2024																										
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 22NOV2024	NAME RJ45 2X6/Through Hole/UPoE+(60W) 1000Base-T W/LED																									
<table border="1"> <tr><td>0</td><td>PLC</td><td>±</td><td>-</td></tr> <tr><td>1</td><td>PLC</td><td>±</td><td>0.35</td></tr> <tr><td>2</td><td>PLC</td><td>±</td><td>0.25</td></tr> <tr><td>3</td><td>PLC</td><td>±</td><td>0.15</td></tr> <tr><td>4</td><td>PLC</td><td>±</td><td>-</td></tr> <tr><td></td><td>ANGLES</td><td>±</td><td>2</td></tr> </table>		0	PLC	±	-	1	PLC	±	0.35	2	PLC	±	0.25	3	PLC	±	0.15	4	PLC	±	-		ANGLES	±	2	PRODUCT SPEC 108-161622	RESTRICTED TO	
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MATERIAL		FINISH	WEIGHT	SCALE A2 00779 C=2497310																								
				SHEET 3 OF 3																								
				REV A																								