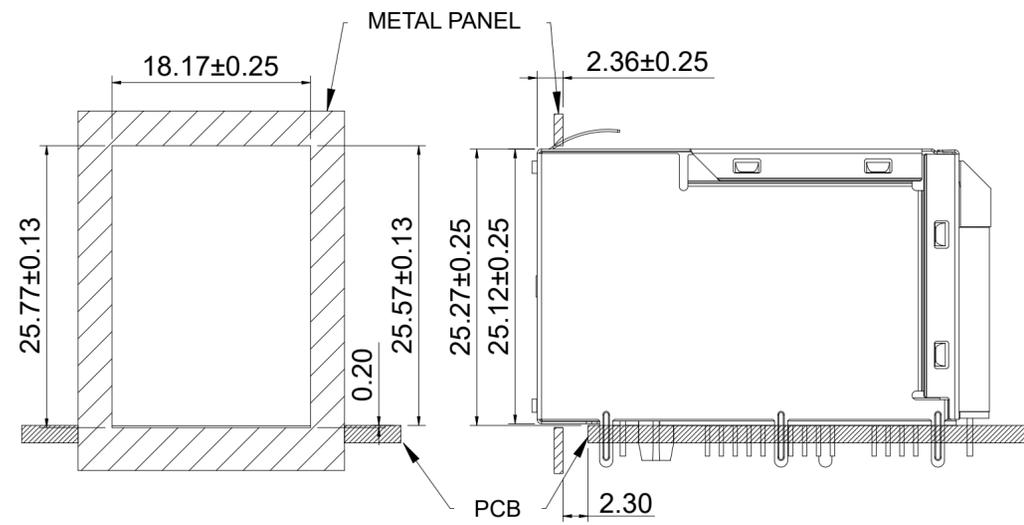
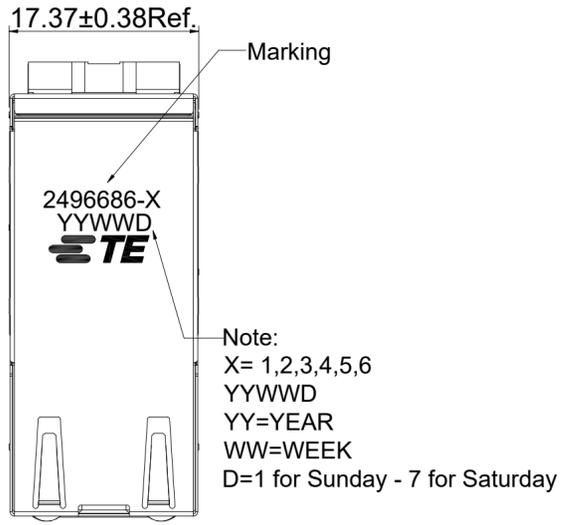
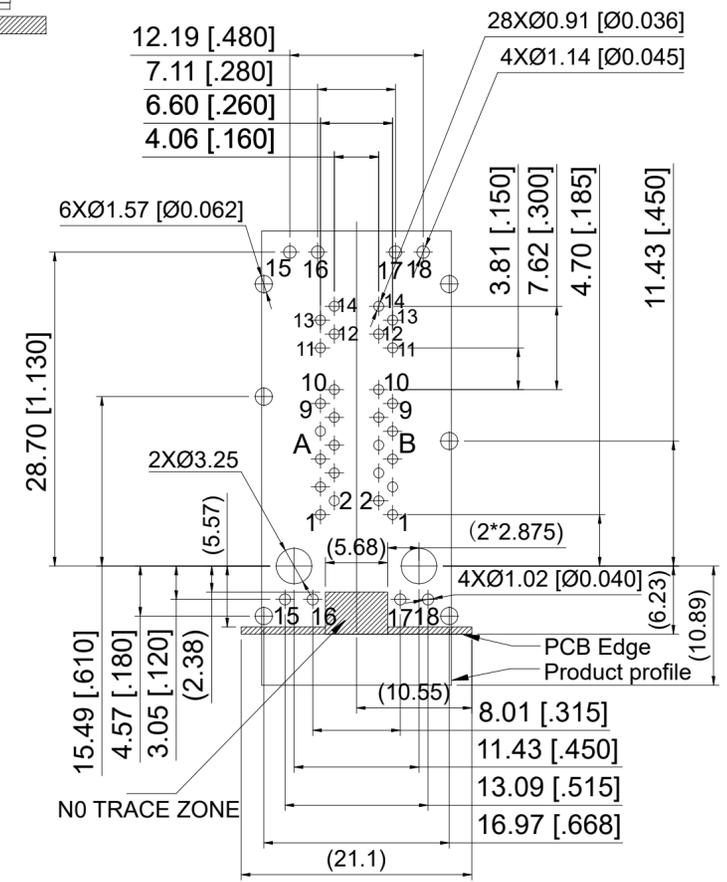
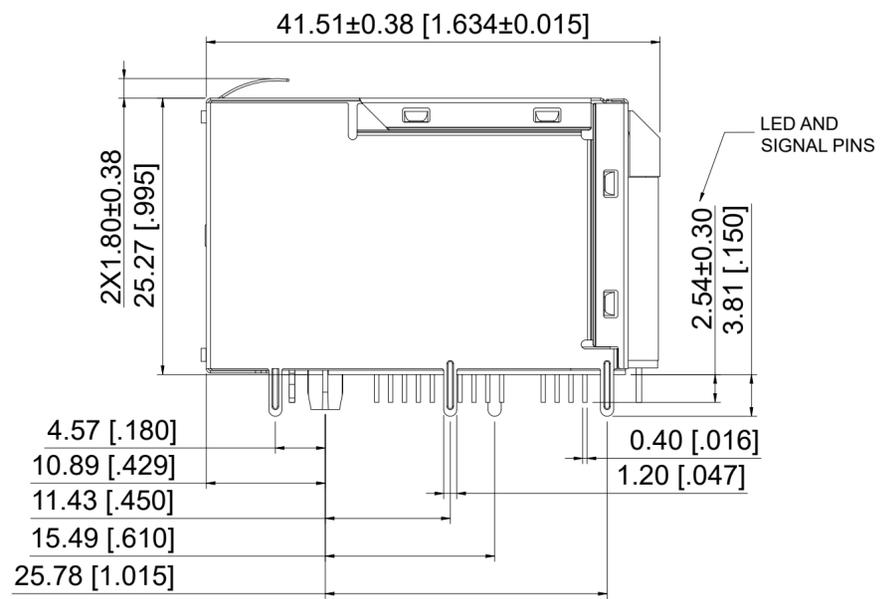
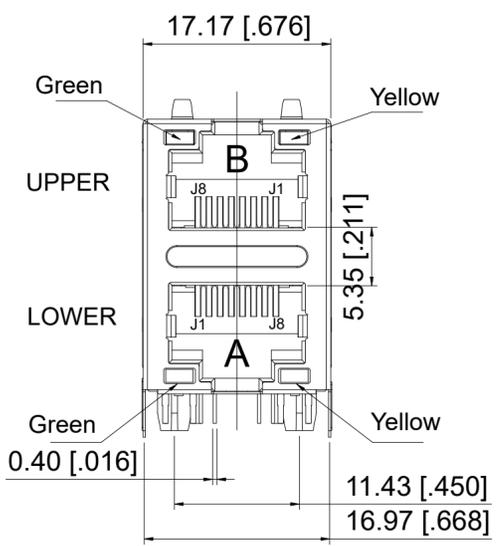


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-301496	10JAN2025	TR	RCG

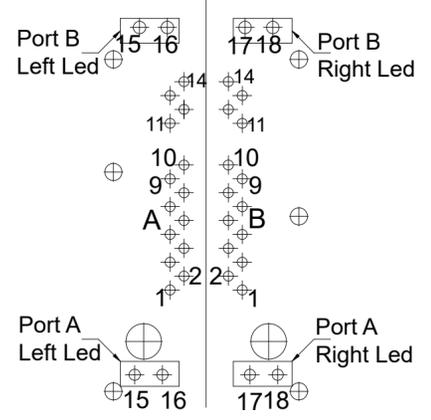


- NOTE :
- 1.HOUSING:GLASS FILLED PA46(BLACK) UL94V-0(RoHS)
 - 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
 - 3.SHIELD:0.2mm THICKNESS WITH BRASS.
 - 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 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.



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

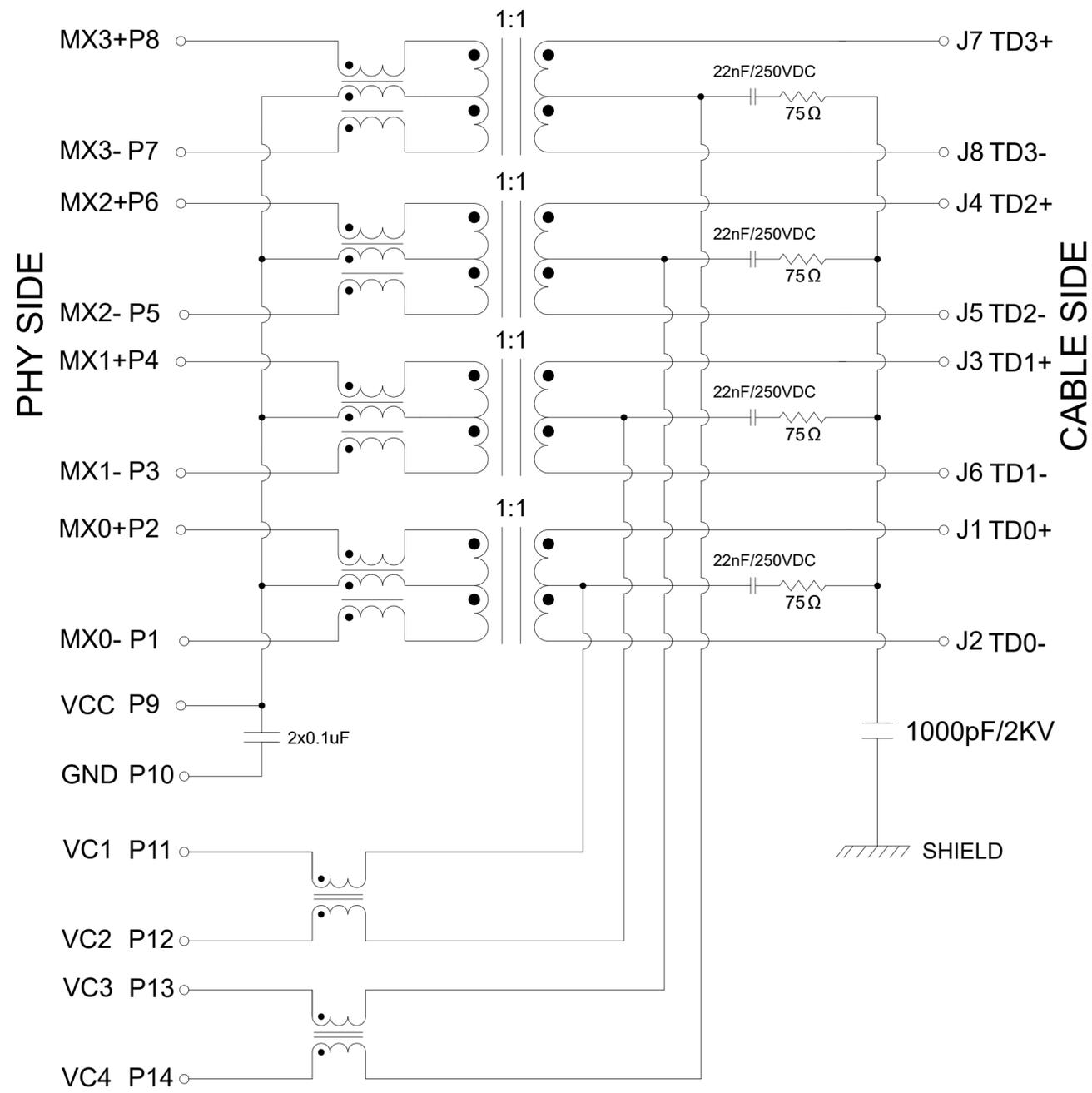
FINISH	PART NUMBER
GF	2496686-6
0.0762 µm [3µ"]	2496686-5
0.1524 µm [6µ"]	2496686-4
0.381 µm [15µ"]	2496686-3
0.762 µm [30µ"]	2496686-2
1.27 µm [50µ"]	2496686-1
GOLD PLATING THICKNESS	PART NUMBER



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 09NOV2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 10NOV2024	RJ45 W/MAGNET 2X1 1G POE 60W LED	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 10NOV2024	NAME	
0 PLC ± -		PRODUCT SPEC	108-161622	
1 PLC ± 0.35		APPLICATION SPEC	114-161219	
2 PLC ± 0.25		WEIGHT	-	
3 PLC ± 0.15		SIZE	A2	
4 PLC ± -		CAGE CODE	00779	
ANGLES ± 2°		DRAWING NO	C=2496686	
FINISH		RESTRICTED TO	-	
MATERIAL		CUSTOMER DRAWING	SCALE 1:1 SHEET 1 OF 2 REV A	

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

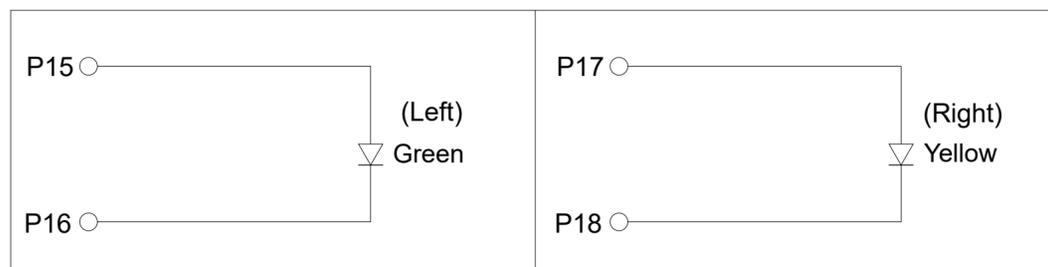
Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS 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 09NOV2024																										
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 10NOV2024																										
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 10NOV2024	NAME RJ45 W/MAGNET 2X1 1G POE 60W 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 colspan="2">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=2496686																								
				DRAWING NO 114-161219																								
				SHEET 2 OF 2																								
				REV A																								
				CUSTOMER DRAWING																								