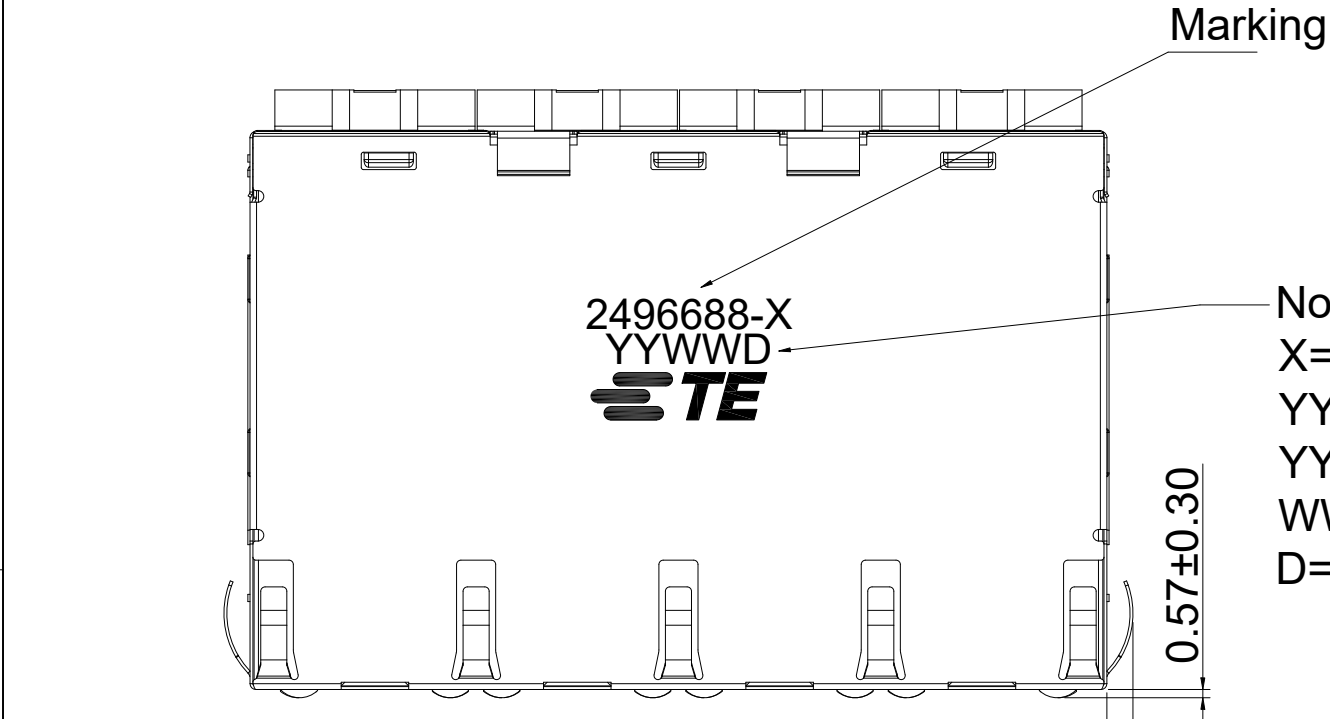
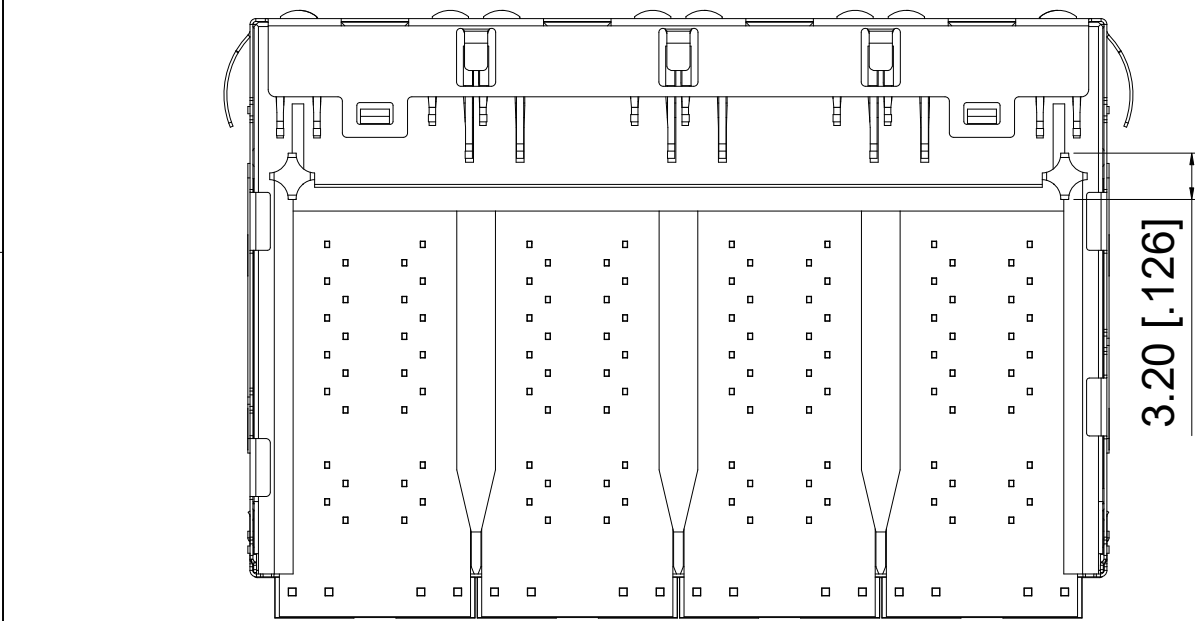
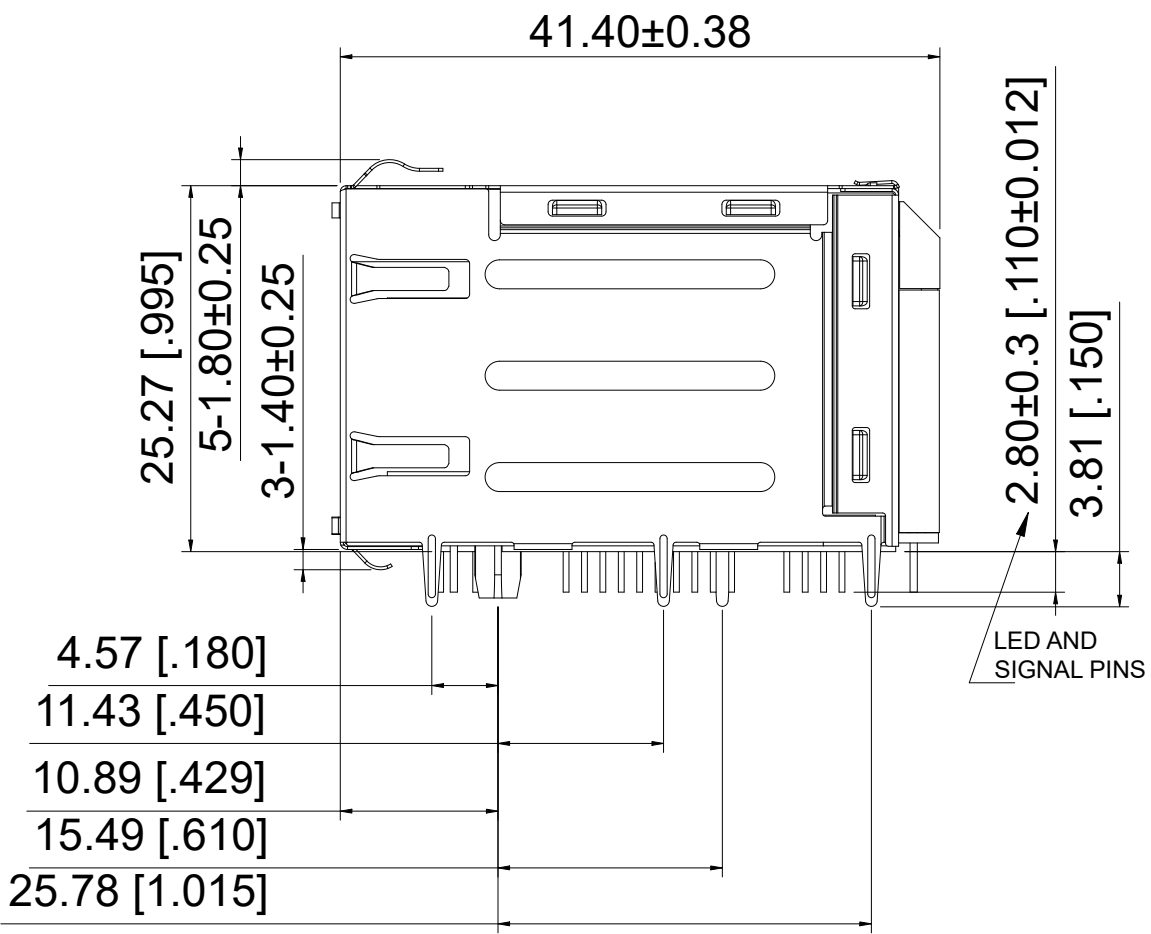
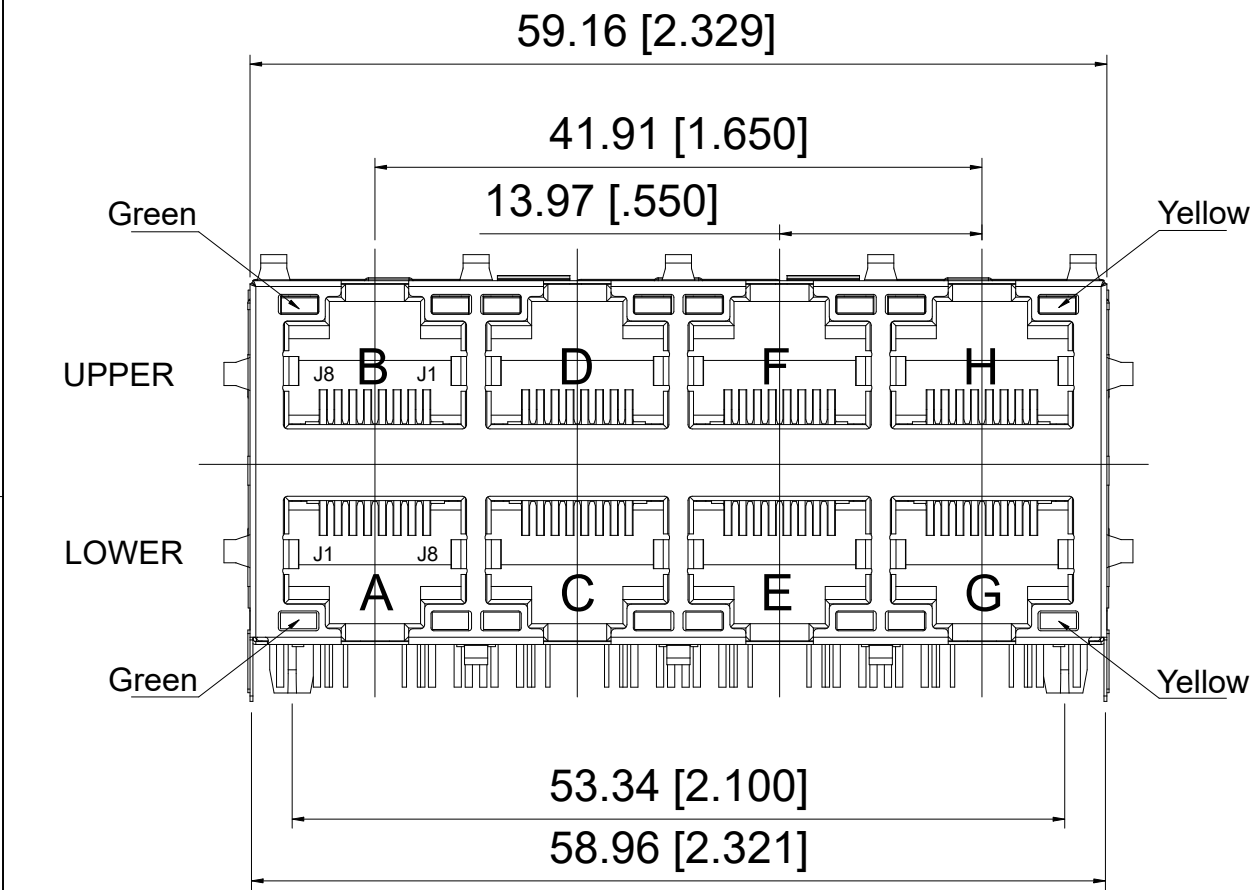


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER ECN-25-301496	10JAN2025	TR	RCG



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

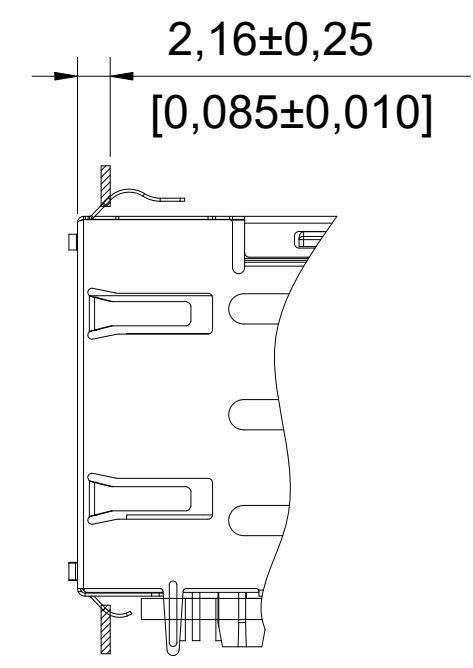
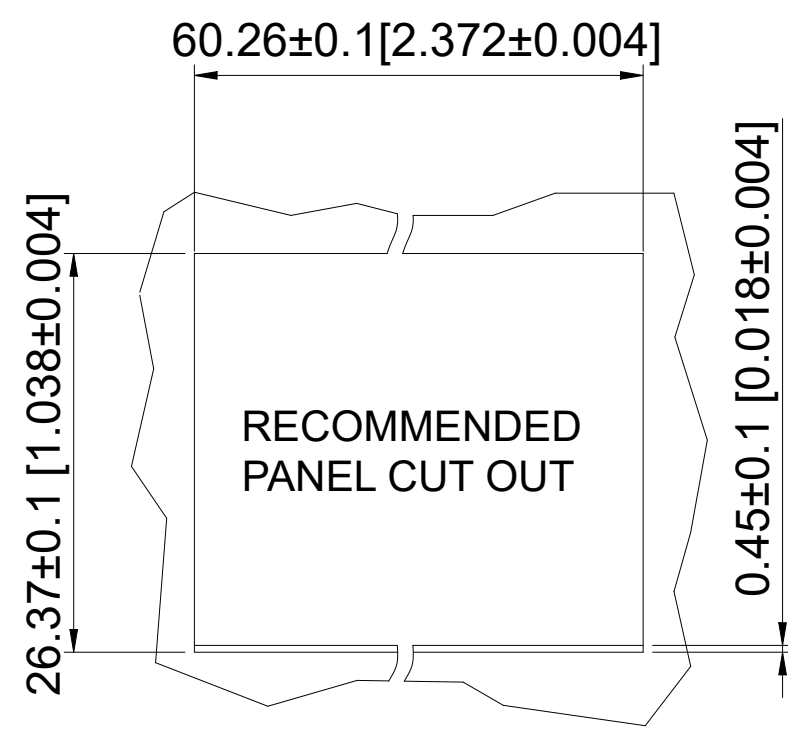
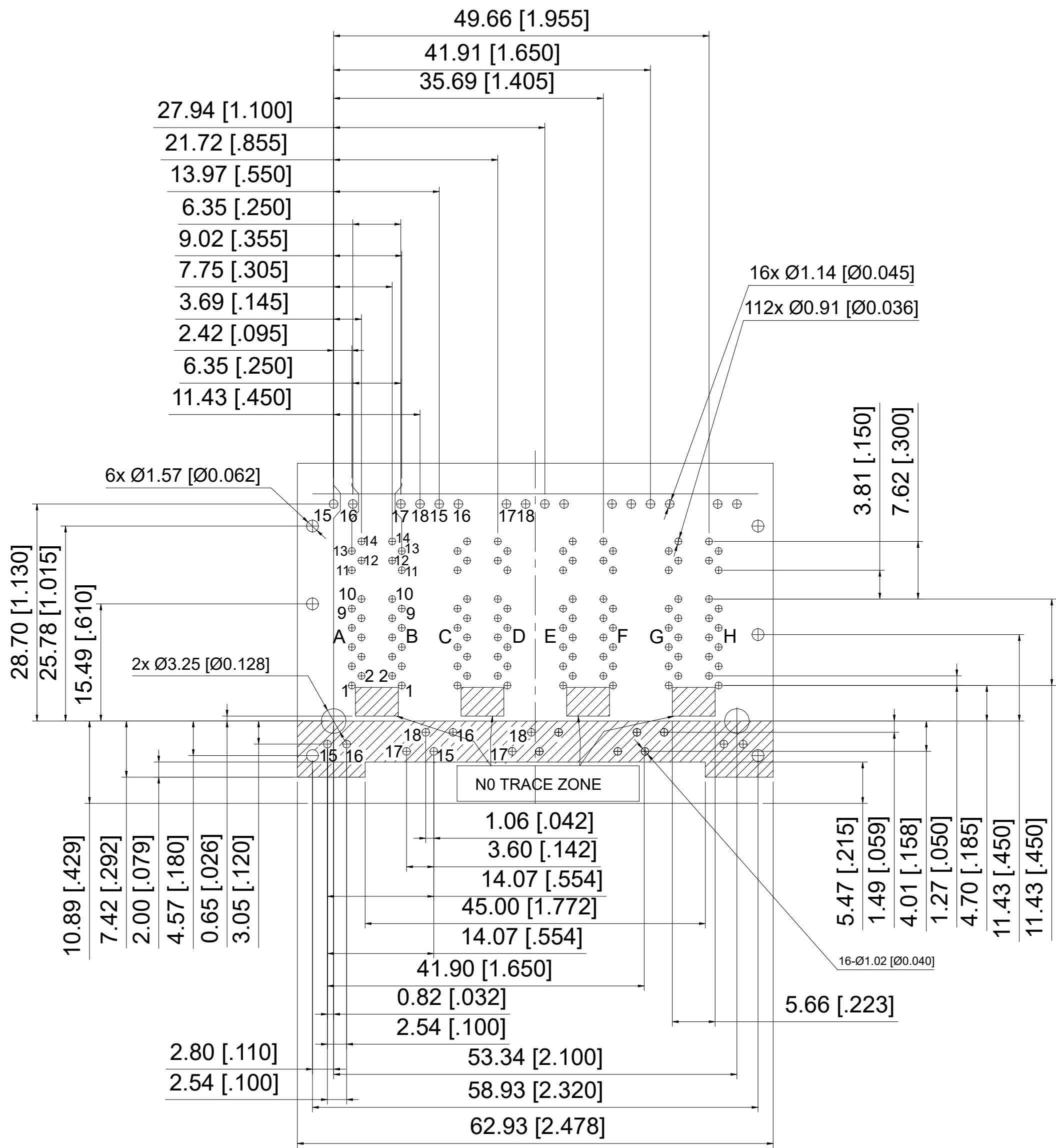
- NOTE :
- 1.HOUSING:GLASS FILLED PA46(BLACK) UL94V-0(RoHS)
 - 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
 - 3.SHIELD:0.2mm THICKNESS WITH BRASS.
 - 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68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



GF	2496688-6
0.0762 μm [3μ"]	2496688-5
0.1524 μm [6μ"]	2496688-4
0.381 μm [15μ"]	2496688-3
0.762 μm [30μ"]	2496688-2
1.27 μm [50μ"]	2496688-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 06NOV2024	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK RAMESH,KIVADER 06NOV2024			
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 06NOV2024	NAME RJ45 W/MAGNET 2X4 1G POE 60W 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 -		APPLICATION SPEC 114-161219	CAGE CODE 00779		
FINISH -		WEIGHT 0	DRAWING NO C=2496688		
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)

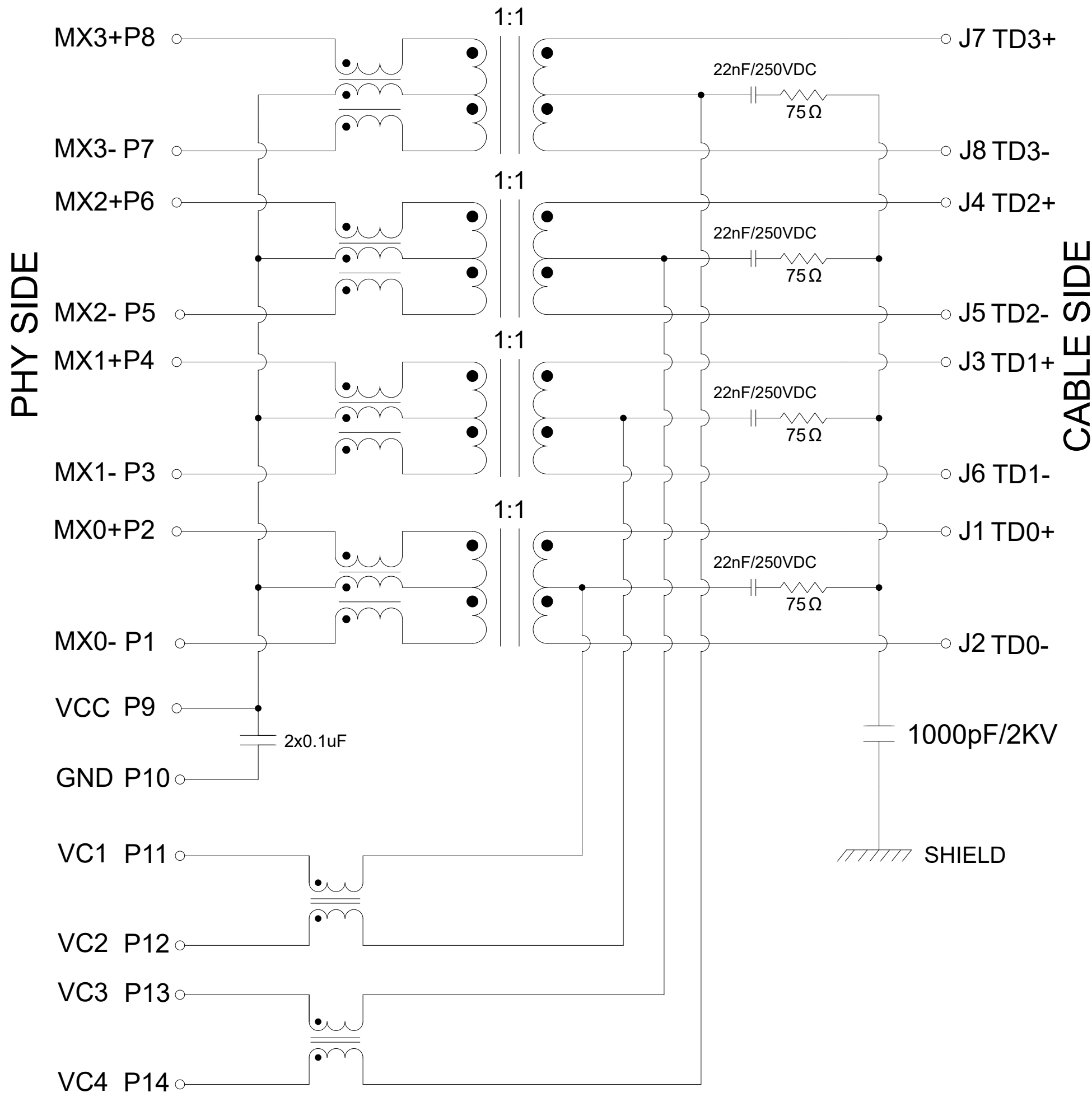
Dimension Tolerances:

PCB LAYOUT Tolerances:±0.05[0.002]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 06NOV2024	TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK RAMESH,KIVADER 06NOV2024				
		APVD RAGHAVAN, CG 06NOV2024	NAME RJ45 W/MAGNET 2X4 1G POE 60W LED			
		PRODUCT SPEC 108-161622				
MATERIAL -		FINISH -	WEIGHT -	SIZE A2	CAGE CODE 00779	DRAWING NO C=2496688
		CUSTOMER DRAWING		SCALE 1:1	SHEET 2 OF 3	REV A

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

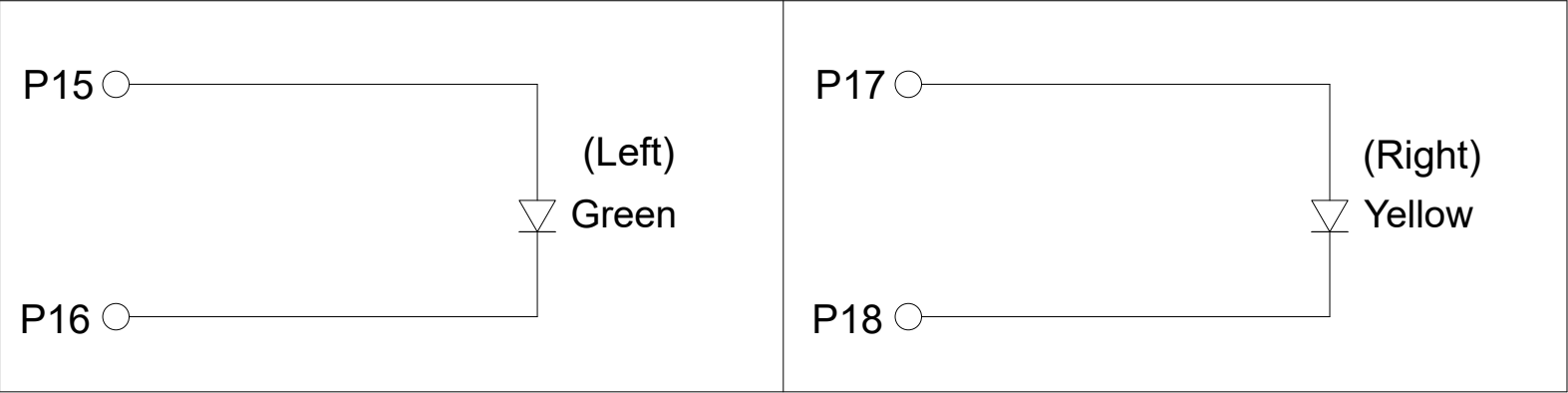
Schematic



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 06NOV2024	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK RAMESH,KIVADER 06NOV2024			
		APVD RAGHAVAN, CG 06NOV2024	NAME RJ45 W/MAGNET 2X4 1G POE 60W LED		
		PRODUCT SPEC 108-161622	-		
MATERIAL -		FINISH -	WEIGHT -	SIZE A2	CAGE CODE 00779
		CUSTOMER DRAWING		DRAWING NO C=2496688	RESTRICTED TO -
				SCALE 1:1	SHEET 3 OF 3
				REV A	