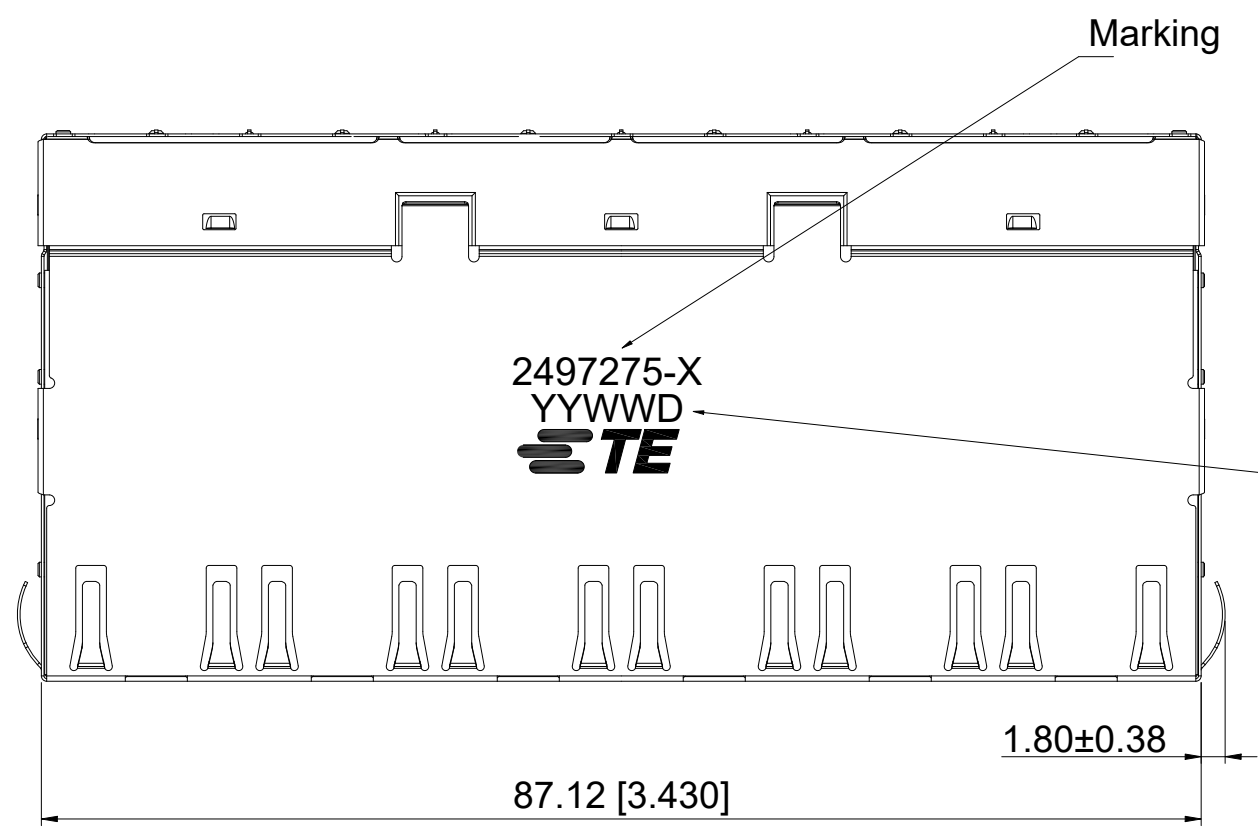
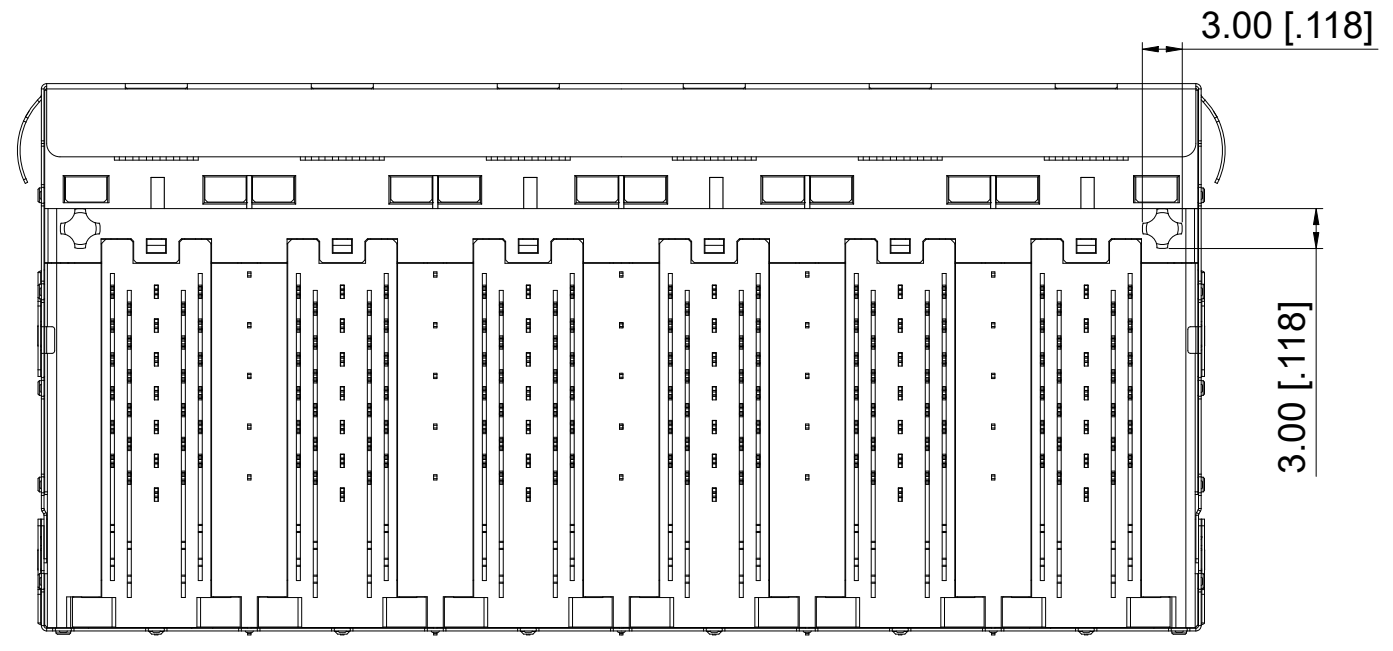
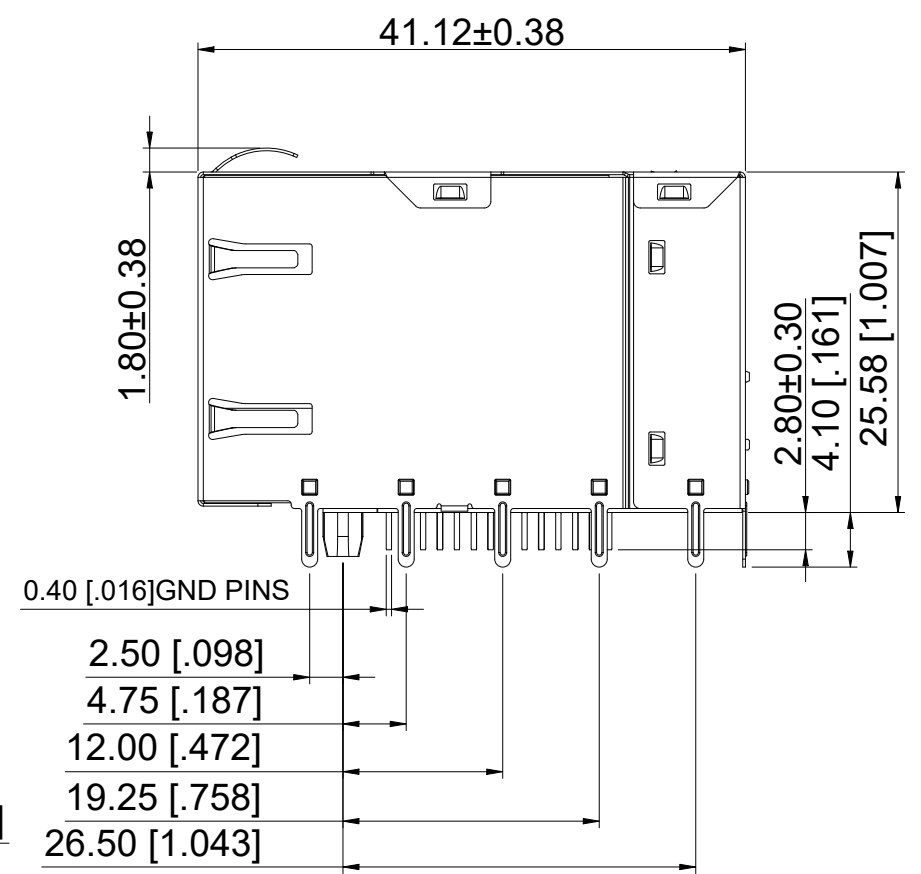
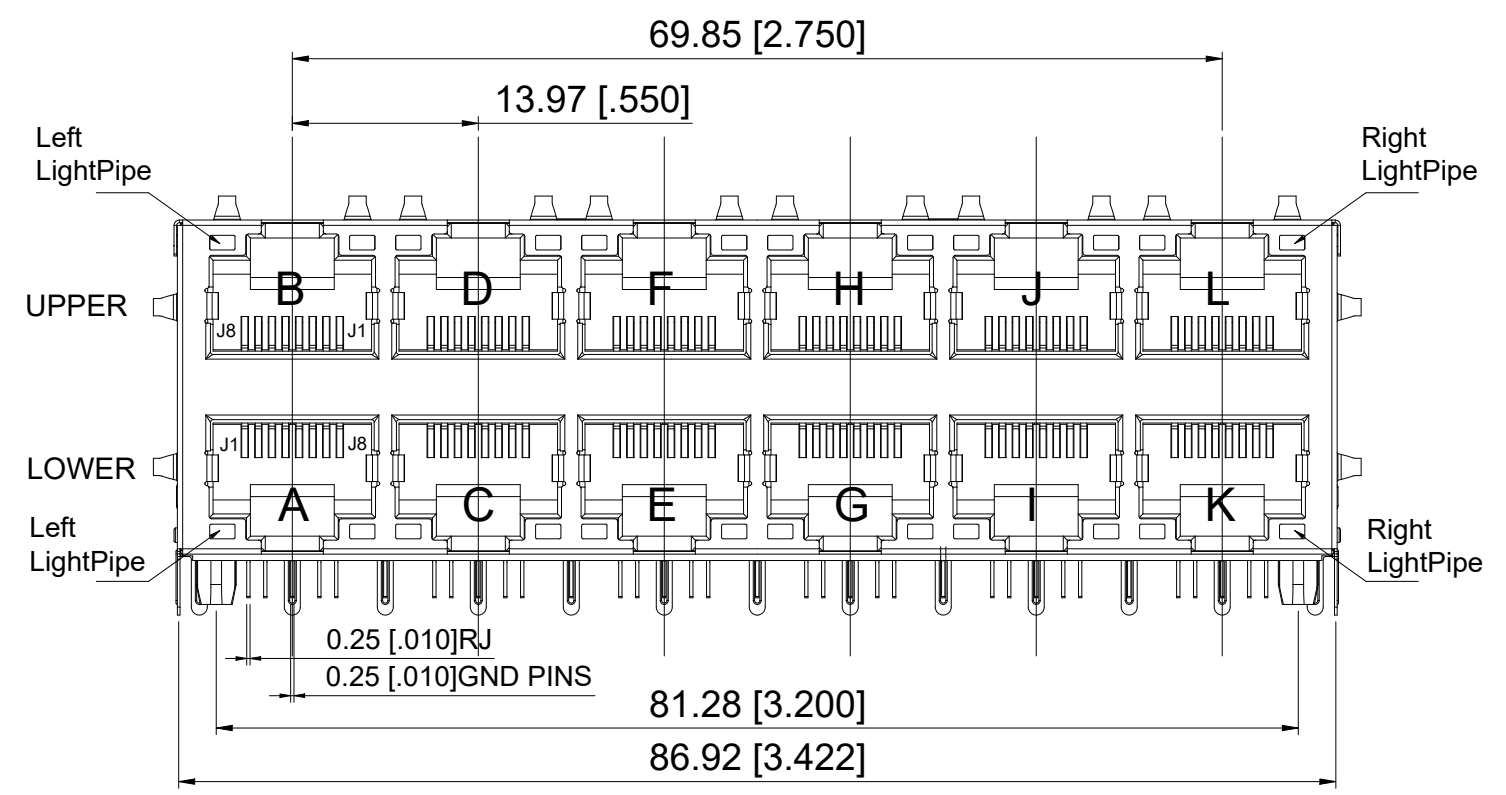


REVISIONS					
P	LTR	DESCRIPTION	DATE	OWN	APVD
	A	REVISED PER ECN-25-302719	22JAN2025	TR	RCG



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	2497275-6
0.0762 μm [3μ"]	2497275-5
0.1524 μm [6μ"]	2497275-4
0.381 μm [15μ"]	2497275-3
0.762 μm [30μ"]	2497275-2
1.27 μm [50μ"]	2497275-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES, UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± 0.35
2 PLC ± 0.25
3 PLC ± 0.15
4 PLC ± -
ANGLES ± 2

MATERIAL

FINISH

DWN
TARUN, R
27NOV2024

CHK
RAMESH, KIVADER
28NOV2024

APVD
RAGHAVAN, CG
28NOV2024

PRODUCT SPEC
108-161620

APPLICATION SPEC
114-161217

WEIGHT
-

CUSTOMER DRAWING

NAME
RJ45 2X6/Through Hole 5G Base-T W/LightPipe

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=2497275

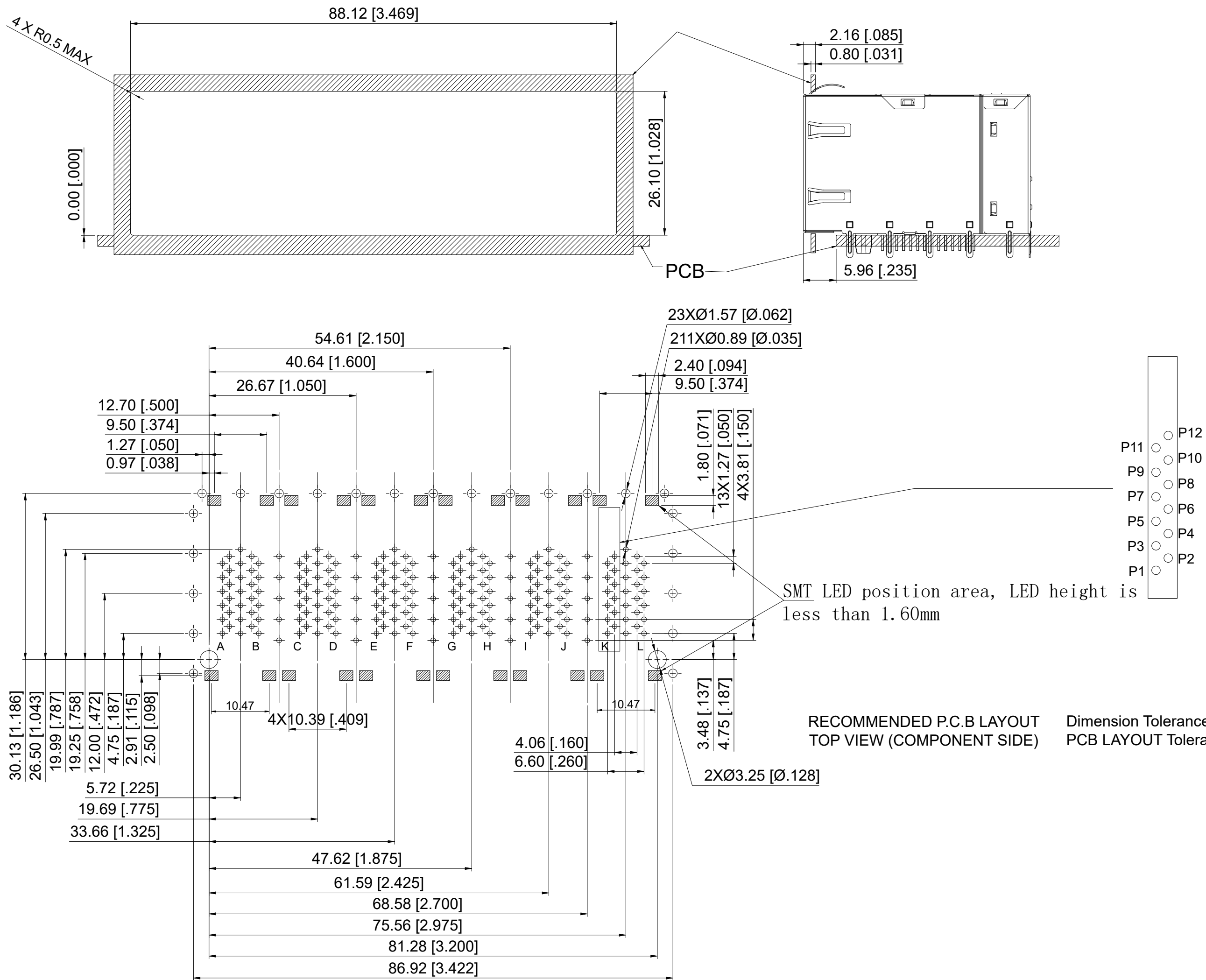
RESTRICTED TO
-

SCALE
1:1

SHEET
1 OF 3

REV
A

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 27NOV2024	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 28NOV2024			
		APVD RAGHAVAN, CG 28NOV2024	NAME RJ45 2X6/Through Hole 5G Base-T W/LightPipe		
		PRODUCT SPEC 108-161620	—		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-161217	—		
0 PLC ± — 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± — ANGLES ± 2		WEIGHT —	SIZE A2	CAGE CODE 00779	DRAWING NO C=2497275
MATERIAL —		FINISH —	RESTRICTED TO —		
CUSTOMER DRAWING			SCALE 1:1	SHEET 2 OF 3	REV A

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

Schematic

D

D

C

C

PHY SIDE

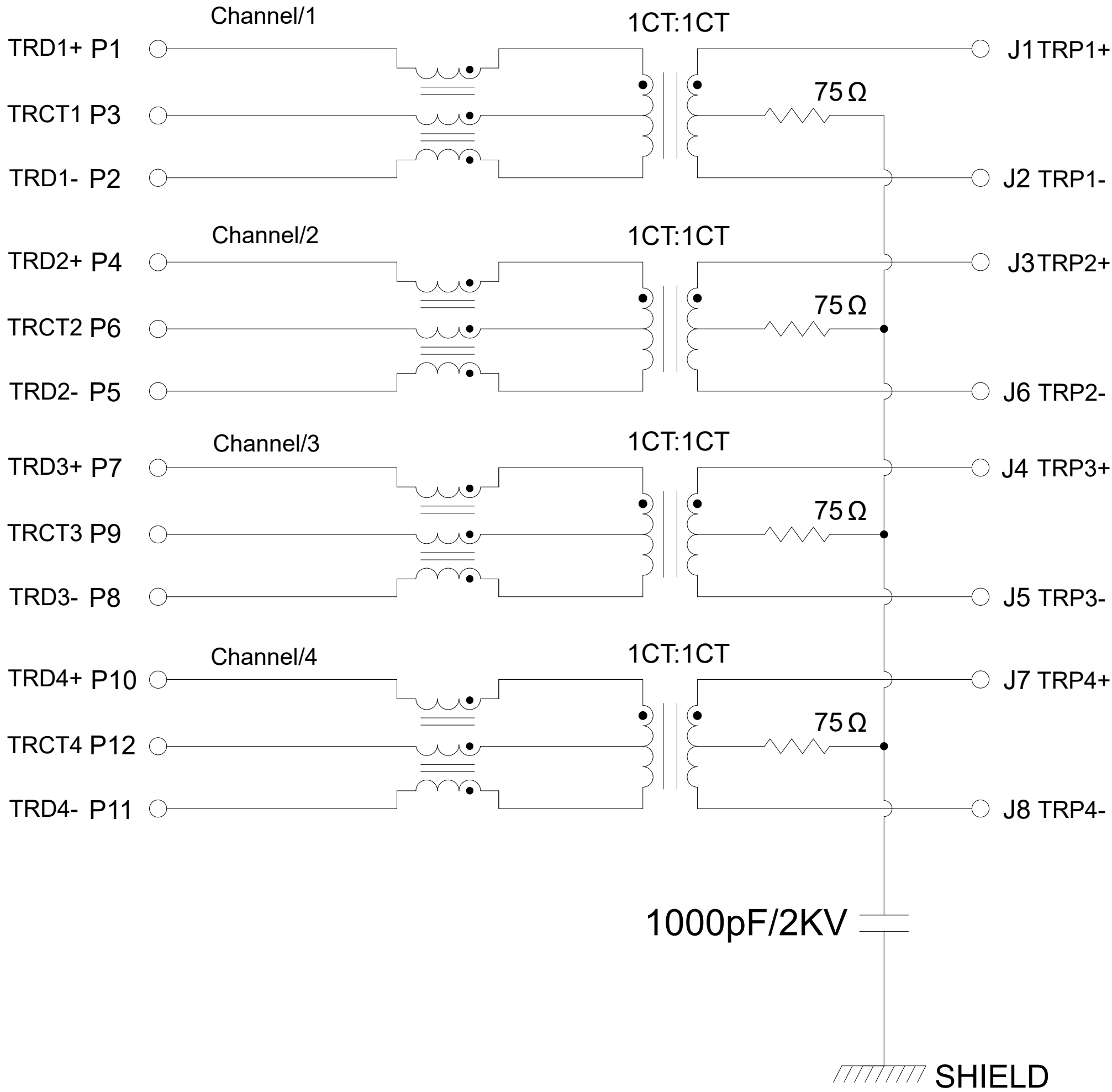
CABLE SIDE

B

B

A

A



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	120uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL 1,2,3,4)
INSERTION LOSS(IL)	-0.5dB MAX@1MHz-50MHz; -1.0dB MAX@50MHz-125MHz; -2.0dB MAX@125MHz-200MHz; -2.5dB MAX@200MHz-250MHz;
RETURN LOSS(RL) (Z out=100 OHM)	-20dB MIN@1MHz-50MHz; -20+15LOG(f/40MHz)dB MIN@50MHz-250MHz;
CROSSTALK (ADJACENT CHANNELS)	-25dB MIN@1MHz-125MHz; -20dB MIN@125MHz-250MHz;
COMMON MODE REJECTION RATIO(CMRR)	-20dB MIN@1MHz-250MHz;
COMMON TO DIFFERENTIAL MODE REJECTION(REF)	-20dB MIN@1MHz-250MHz;
HI-POT	2250 VDC@60 SECONDS

2497275

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 27NOV2024	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 28NOV2024			
		APVD RAGHAVAN, CG 28NOV2024	NAME RJ45 2X6/Through Hole 5G Base-T W/LightPipe		
		PRODUCT SPEC 108-161620			
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779	DRAWING NO C=2497275
MATERIAL -		FINISH -	WEIGHT -	SCALE 1:1	SHEET 3 OF 3
CUSTOMER DRAWING			RESTRICTED TO -	REV A	