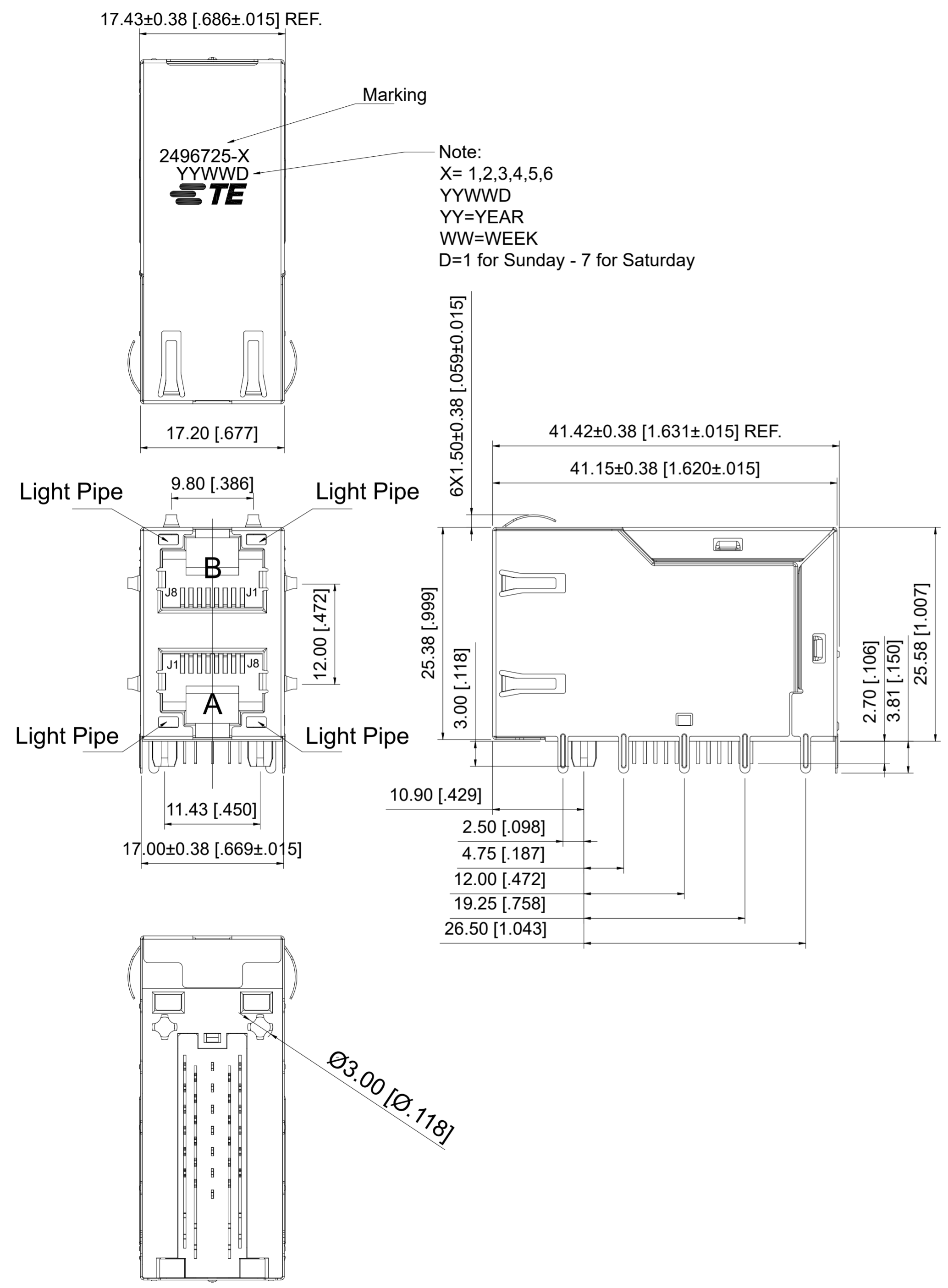
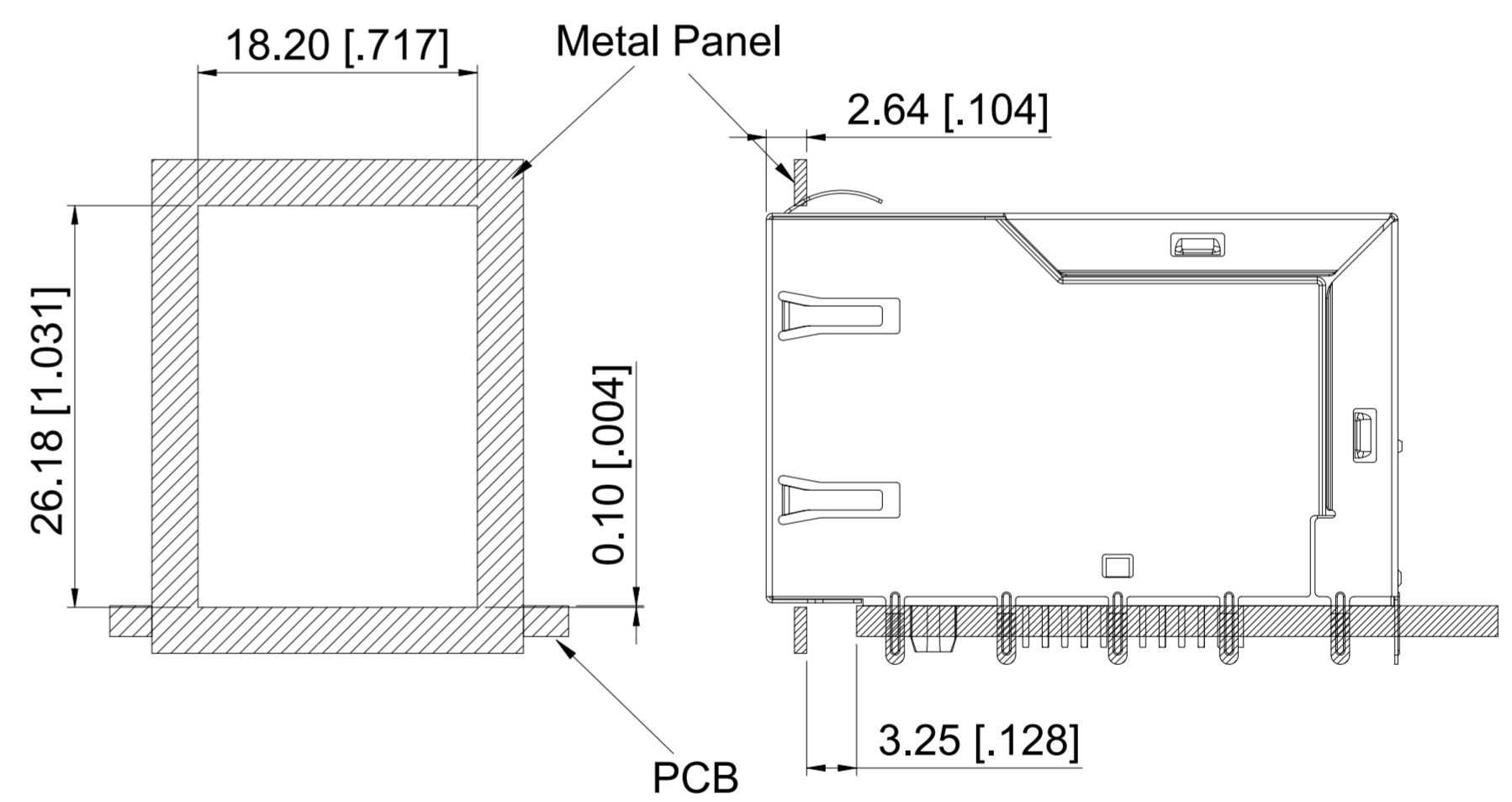


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-302719	22JAN2025	TR	RCC



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

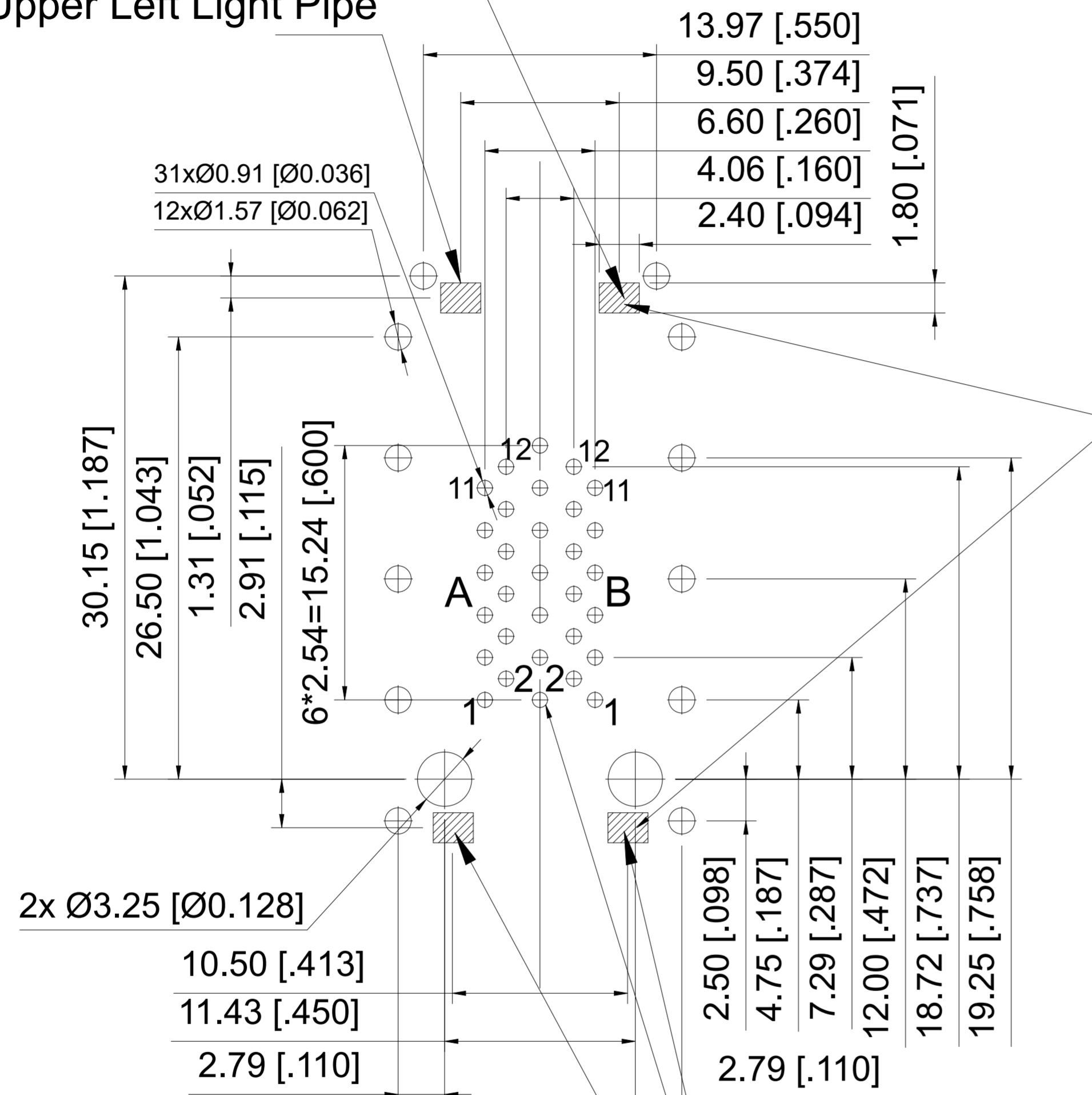


GOLD PLATING THICKNESS	PART NUMBER
GF	2496725-6
0.0762 µm [3µ"]	2496725-5
0.1524 µm [6µ"]	2496725-4
0.381 µm [15µ"]	2496725-3
0.762 µm [30µ"]	2496725-2
1.27 µm [50µ"]	2496725-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TARUN, R	28OCT2024
DIMENSIONS: mm [INCHES]		CHK	RAMESH, KIVADER	30OCT2024
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	RAGHAVAN, CG	30OCT2024
0 PLC	± -	PRODUCT SPEC	108-161620	
1 PLC	± 0.35	APPLICATION SPEC	114-161217	
2 PLC	± 0.25	SIZE	A2	CAGE CODE
3 PLC	± 0.15	WEIGHT	-	00779
4 PLC	± -	CUSTOMER DRAWING	SCALE 1:1 SHEET 1 of 3 REV A	
ANGLES	± 2°	DRAWING NO. C=2496725		

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

Upper Right Light Pipe
Upper Left Light Pipe



SMT LED Position Area,
The LED height is less than 1.60mm

RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)

Dimension Tolerances:
PCB LAYOUT
Tolerances: ±0.05[0.002]

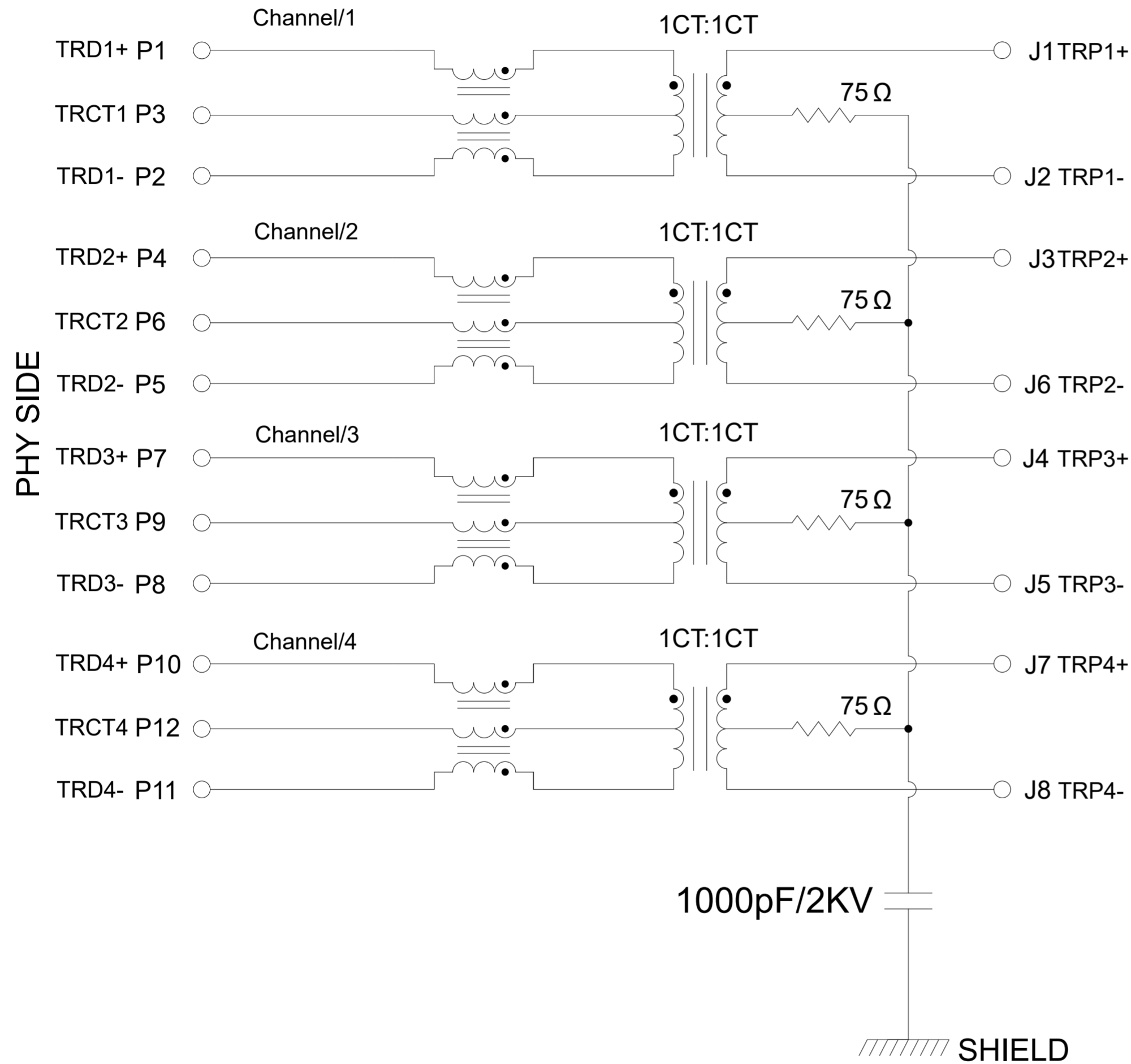
Shield Between PORTA/B

Lower Right Light Pipe
Lower Left Light Pipe

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 28OCT2024		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 30OCT2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 30OCT2024	NAME RJ45 W/MAGNET 2X1 5G LIGHT PIPE	
0 PLC ± -		PRODUCT SPEC 108-161620	SIZE A2	
1 PLC ± 0.35		APPLICATION SPEC 114-161217	CAGE CODE 00779	DRAWING NO C=2496725
2 PLC ± 0.25		MATERIAL -	RESTRICTED TO -	
3 PLC ± 0.15		FINISH -	SCALE 1:1	SHEET 2 OF 3
4 PLC ± -		WEIGHT -	REV A	
ANGLES ± 2°		CUSTOMER DRAWING		

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)	120uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL1,2,3,4)
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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 28OCT2024																				
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 30OCT2024																				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 30OCT2024	NAME RJ45 W/MAGNET 2X1 5G LIGHT PIPE																			
<table border="0"> <tr><td>0 PLC</td><td>±</td><td>-</td></tr> <tr><td>1 PLC</td><td>±</td><td>0.35</td></tr> <tr><td>2 PLC</td><td>±</td><td>0.25</td></tr> <tr><td>3 PLC</td><td>±</td><td>0.15</td></tr> <tr><td>4 PLC</td><td>±</td><td>-</td></tr> <tr><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 108-161620	RESTRICTED TO -	
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MATERIAL		APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779	DRAWING NO C=2496725																	
FINISH		WEIGHT -	SCALE 1:1		SHEET 3 OF 3																	
		CUSTOMER DRAWING		REV A																		