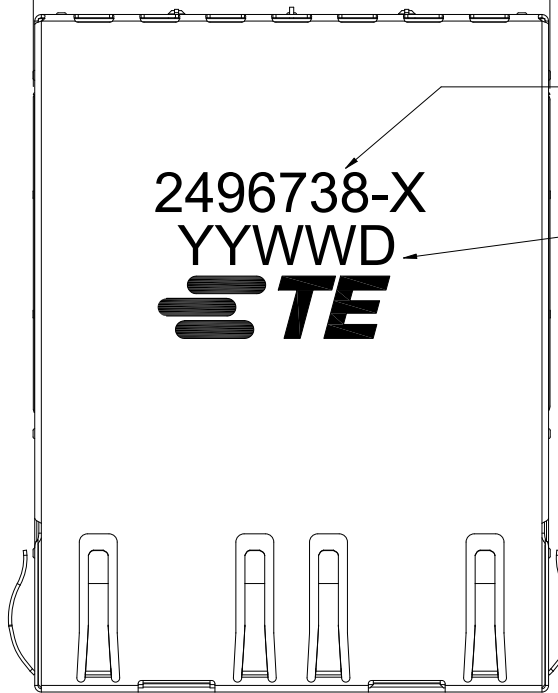


REVISIONS					
P	LTR	DESCRIPTION	DATE	OWN	APVD
	A1	REVISED PER ECN-25-326032	02JUN2025	TR	RK

31.35±0.38 [1.234±.015] Ref.

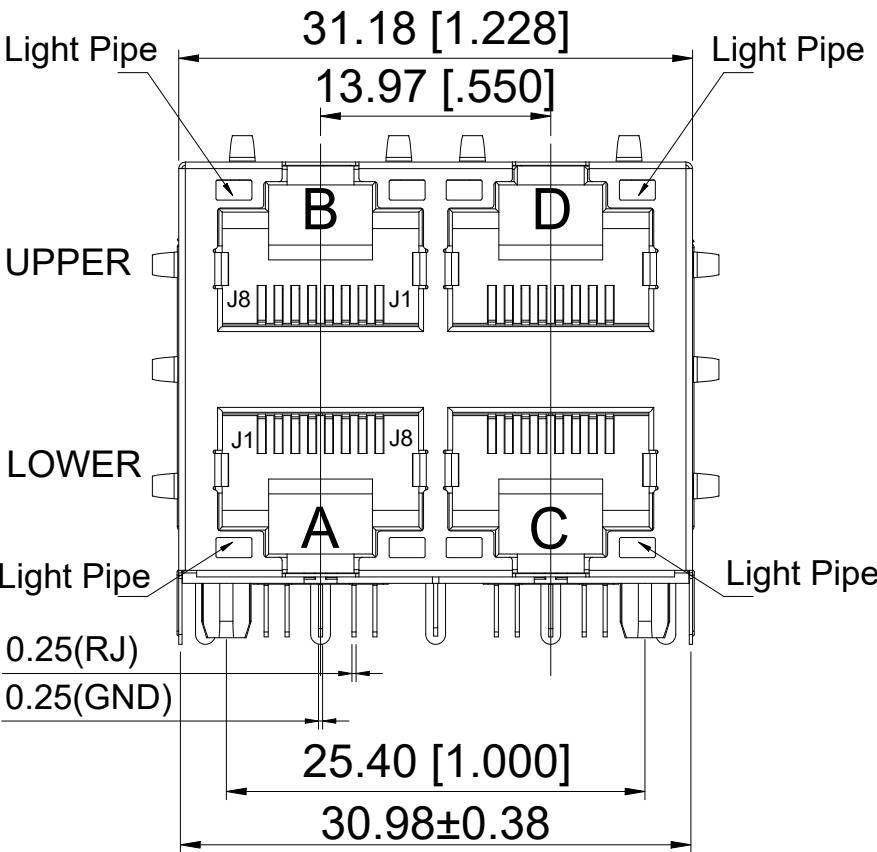


Marking

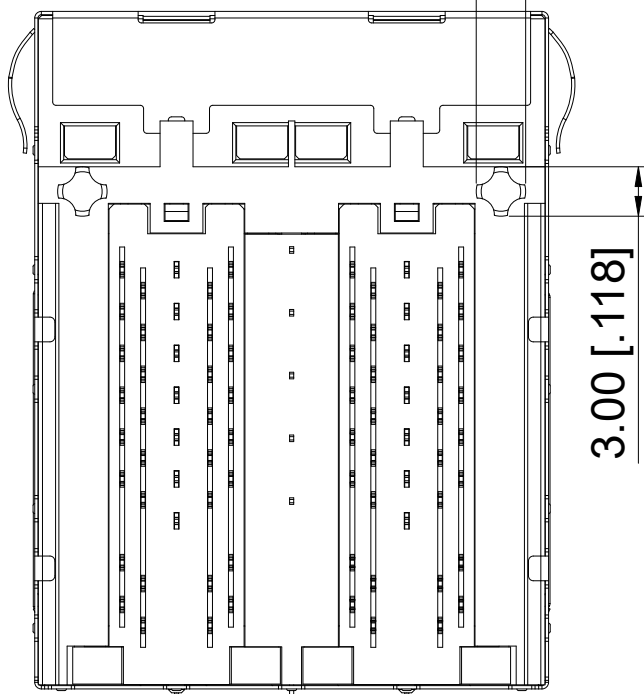
2496738-X
YYWWD
TE

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

1.60±0.38



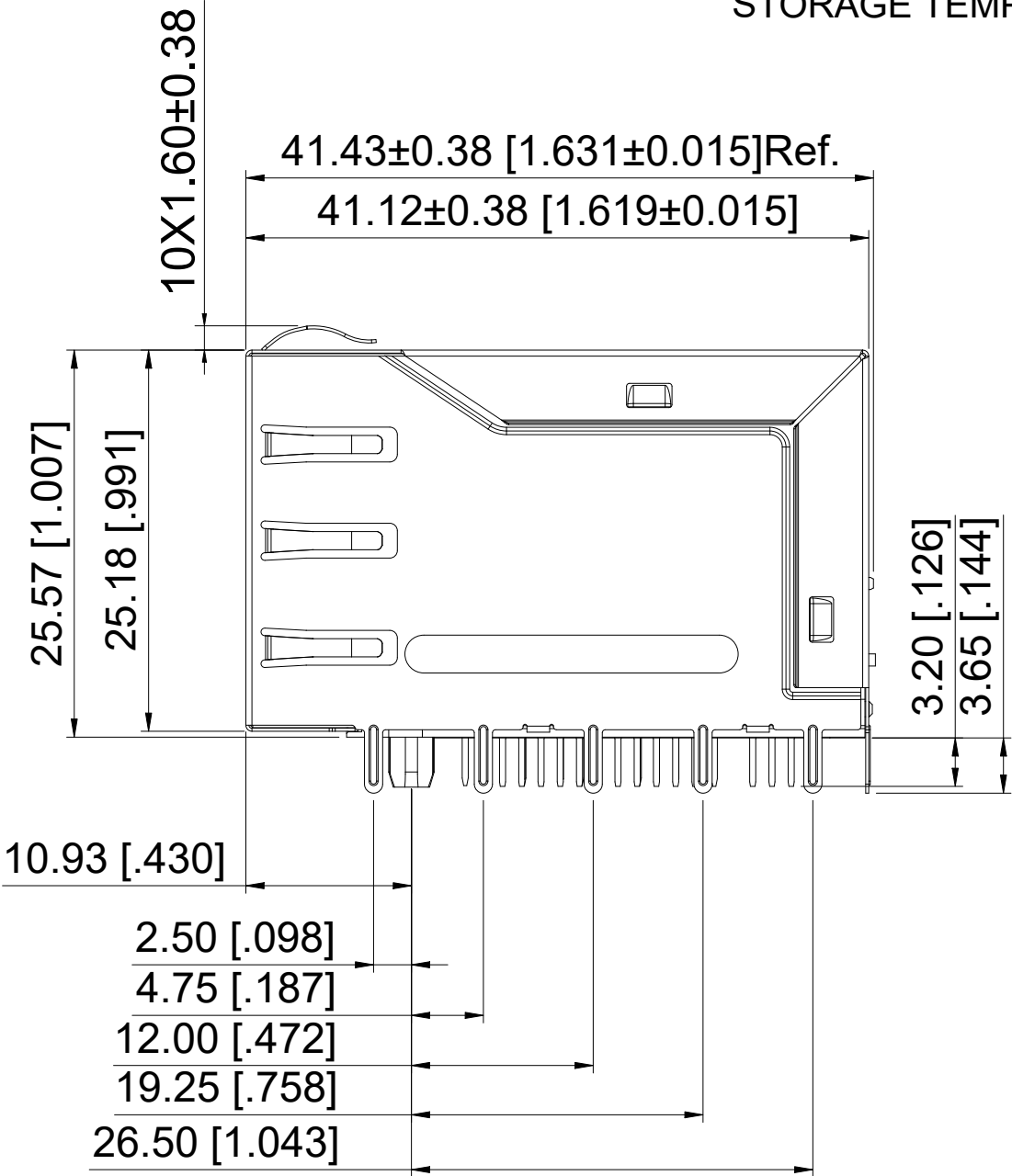
3.00 [.118]



3.00 [.118]

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.

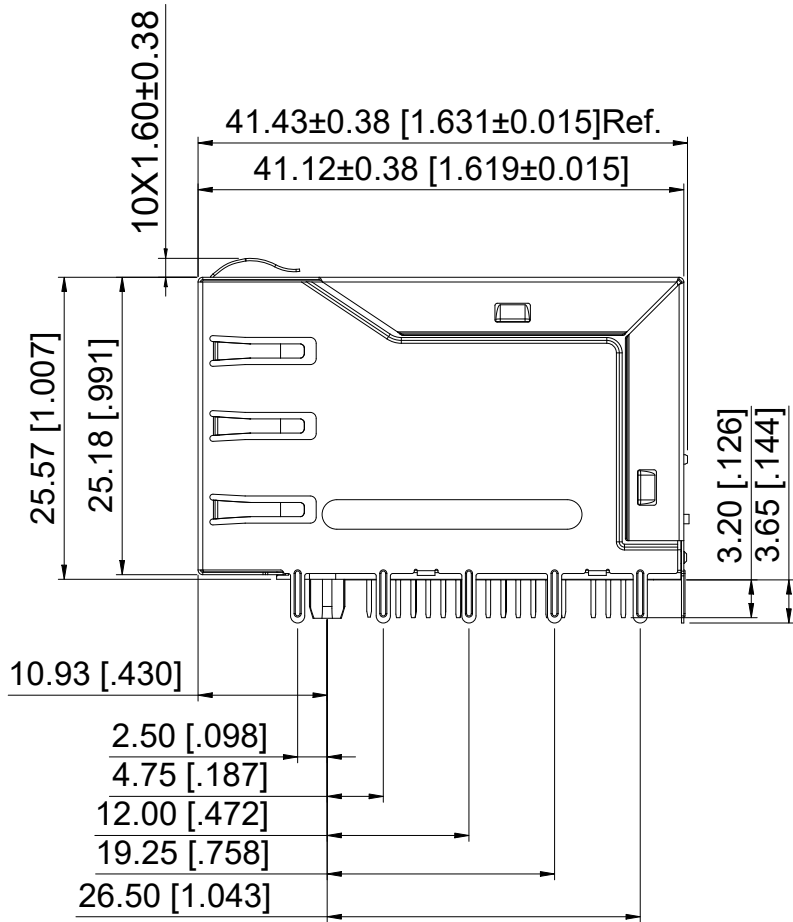
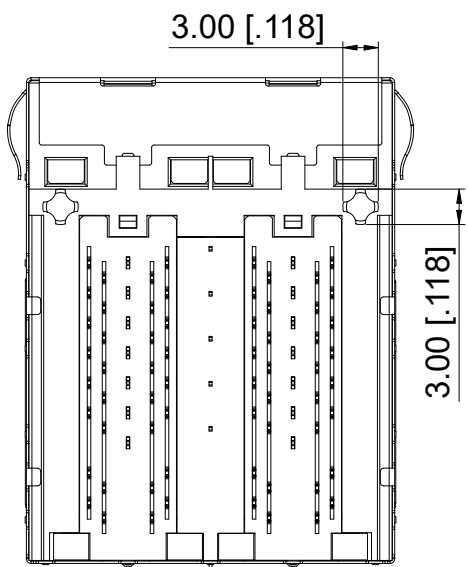
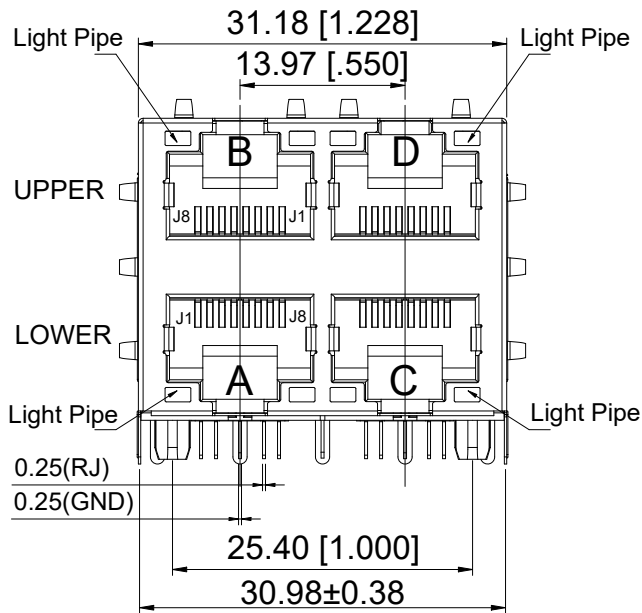
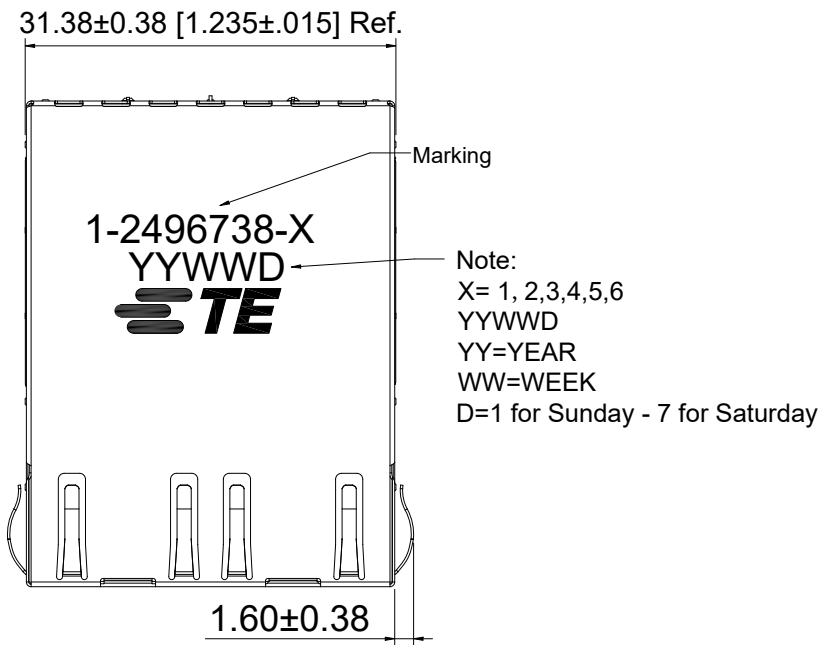


90W	GF	1-2496738-6
	0.0762 μm [3μ"]	1-2496738-5
	0.1524 μm [6μ"]	1-2496738-4
	0.381 μm [15μ"]	1-2496738-3
	0.762 μm [30μ"]	1-2496738-2
	1.27 μm [50μ"]	1-2496738-1
60W	GF	2496738-6
	0.0762 μm [3μ"]	2496738-5
	0.1524 μm [6μ"]	2496738-4
	0.381 μm [15μ"]	2496738-3
	0.762 μm [30μ"]	2496738-2
	1.27 μm [50μ"]	2496738-1
POE	GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024	TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024				
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05NOV2024	NAME			
0 PLC ± -		PRODUCT SPEC	RJ45 W/MAGNET 2X2 10G POE			
1 PLC ± 0.35		108-161622	60W, 90W LIGHT PIPE			
2 PLC ± 0.25		APPLICATION SPEC	-			
3 PLC ± 0.15		114-161219	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
4 PLC ± -		WEIGHT	A2	00779	C=2496738	-
ANGLES ± 2°		CUSTOMER DRAWING	SCALE	1:1	SHEET	1 OF 4
FINISH					REV	A1

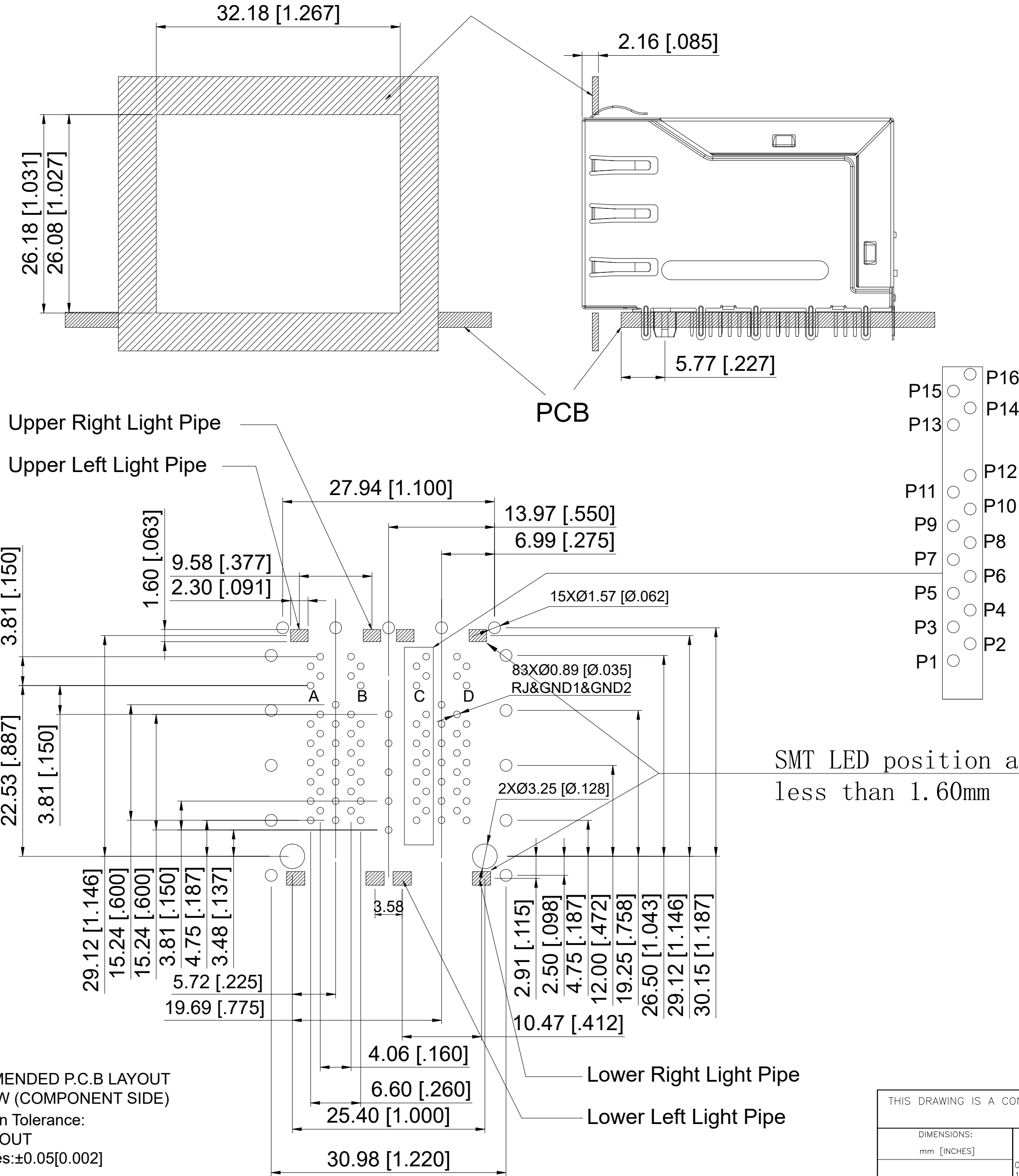
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

1-2496738-X



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024			
		APVD RAGHAVAN, CG 05NOV2024	NAME		
		PRODUCT SPEC 108-161622	RJ45 W/MAGNET 2X2 10G POE 60W, 90W LIGHT PIPE		
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-161219	SIZE A2	CAGE CODE 00779	DRAWING NO C-2496738
MATERIAL -		FINISH -	WEIGHT -	SCALE 1:1	RESTRICTED TO -
CUSTOMER DRAWING			SHEET 2 OF 4	REV A1	

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

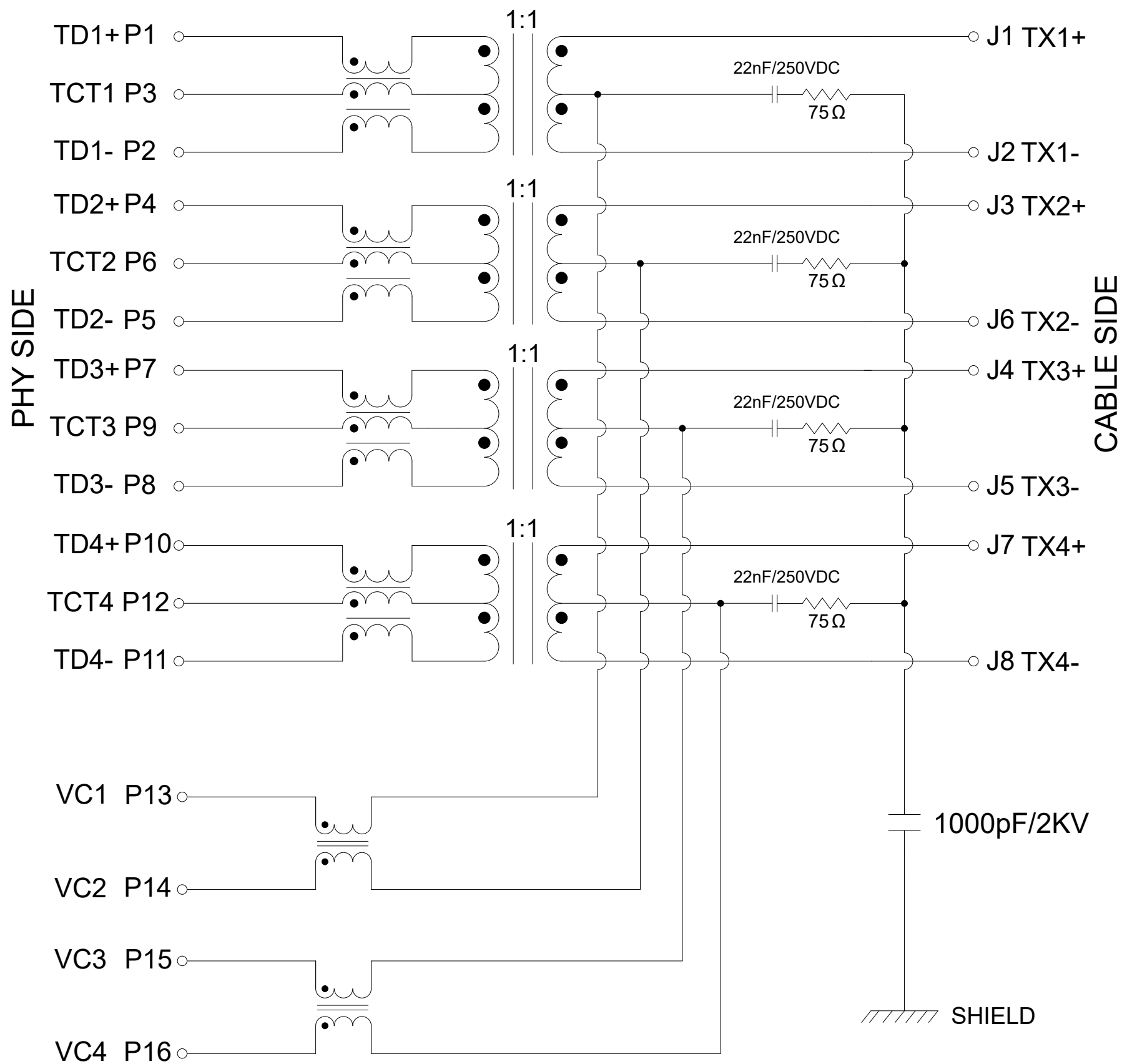


RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)
Dimension Tolerance:
PCB LAYOUT
Tolerances:±0.05[0.002]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024	TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024				
		APVD RAGHAVAN, CG 05NOV2024	NAME RJ45 W/MAGNET 2X2 10G POE 60W, 90W LIGHT PIPE			
		PRODUCT SPEC 108-161622	SIZE A2			
MATERIAL -		APPLICATION SPEC 114-161219	CAGE CODE 00779	DRAWING NO C=2496738	RESTRICTED TO -	
FINISH -		WEIGHT -	SCALE 1:1	SHEET 3 OF 4	REV A1	
		CUSTOMER DRAWING				

REVISIONS					
P	LTR	DESCRIPTION	DATE	OWN	APVD
	—	SEE SHEET 1	—	—	—

Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
URNS RATIO	1:1±2%
INDUCTANCE(OCL)	120uH MIN@100KHz/100mV With 15mA DC Bias For(Channel1/2/3/4)
INSERTION LOSS	-3.0dBMAX@1-500MHz;
RETURN LOSS	-22dBMIN@1-100MHz; -22+20.75xLOG(f/100)dBMIN@100-500MHz;
CROSSTALK (ADJACENT CHANNELS)	-28dBMIN@1-100MHz; -19dBMIN@100-500MHz;
CROSSTALK (PORT TO PORT)	-50dBMIN@1-100MHz; -50dBMIN@100-500MHz;
COMMON MODE REJECTION RATIO	-30dBMIN@1-100MHz; -20dBMIN@100-500MHz;
COMMON MODE TO DIFFERENTIAL MODE ATTENUATION	-30dBMIN@1-100MHz; -20dBMIN@100-500MHz;
DC CURRENT/VOLTAGE RATING-PSE PINS	720mA MAXIMUM@57VDC(CONTINUOUS)
HI-POT	2250VDC@60 SECONDS(Channel1/2/3/4)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024			
		APVD RAGHAVAN, CG 05NOV2024	NAME		
		PRODUCT SPEC 108-161622	RJ45 W/MAGNET 2X2 10G POE 60W, 90W LIGHT PIPE		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-161219	SIZE A2	CAGE CODE 00779	DRAWING NO C=2496738
MATERIAL -		FINISH -	WEIGHT -	SCALE 1:1	RESTRICTED TO -
CUSTOMER DRAWING			SHEET 4 OF 4	REV A1	