

**MATERIAL**  
 CAGE: NICKEL SILVER  
 CONNECTOR HOUSING: THERMOPLASTIC, UL 94V-0(LCP)  
 EMI SPRING: STAINLESS STEEL  
 CONTACTS: COPPER ALLOY  
 EMI GASKET FLANGE: STAINLESS STEEL  
 EMI GASKET: CONDUCTIVE ELASTOMER(UGTP)  
 HEAT SINK: ALUMINUM  
 HEAT SINK CLIP: STAINLESS STEEL  
 LIGHT PIPE: PC  
 LIGHT SHIELD: THERMOPLASTIC

**FINISH**  
 HEAT SINK: ANODE PROCESS  
 CONTACT: 15μ" MIN. GOLD ON MATING END;  
 30μ" MIN. MATTE TIN ON TERMINAL END;  
 ALL UNDERPLATED 50μ" MIN. NICKEL

**ELECTRICAL CHARACTERISTICS**  
 CONTACT CURRENT RATING: 0.5 AMPERE  
 VOLTAGE RATING: 30VAC  
 CONTACT RESISTANCE: 80 mΩ MAX.  
 DIELECTRIC WITHSTANDING VOLTAGE: 300VAC

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 BEFORE USING THIS PRINT



**TITLE:** Stacked QSFP28 2x3 Assembly w/  
 Internal / External Heat Sink & Light Pipe

**DWG#:** R-TR-ZQT3-4CGNLI-AIO-4

**UNIT:** mm

**SCALE:** A4 1:1

**FINISH:**

**SHEET:** 1/3  
**REV.** REF

**THIRD ANGLE PROJECTION**

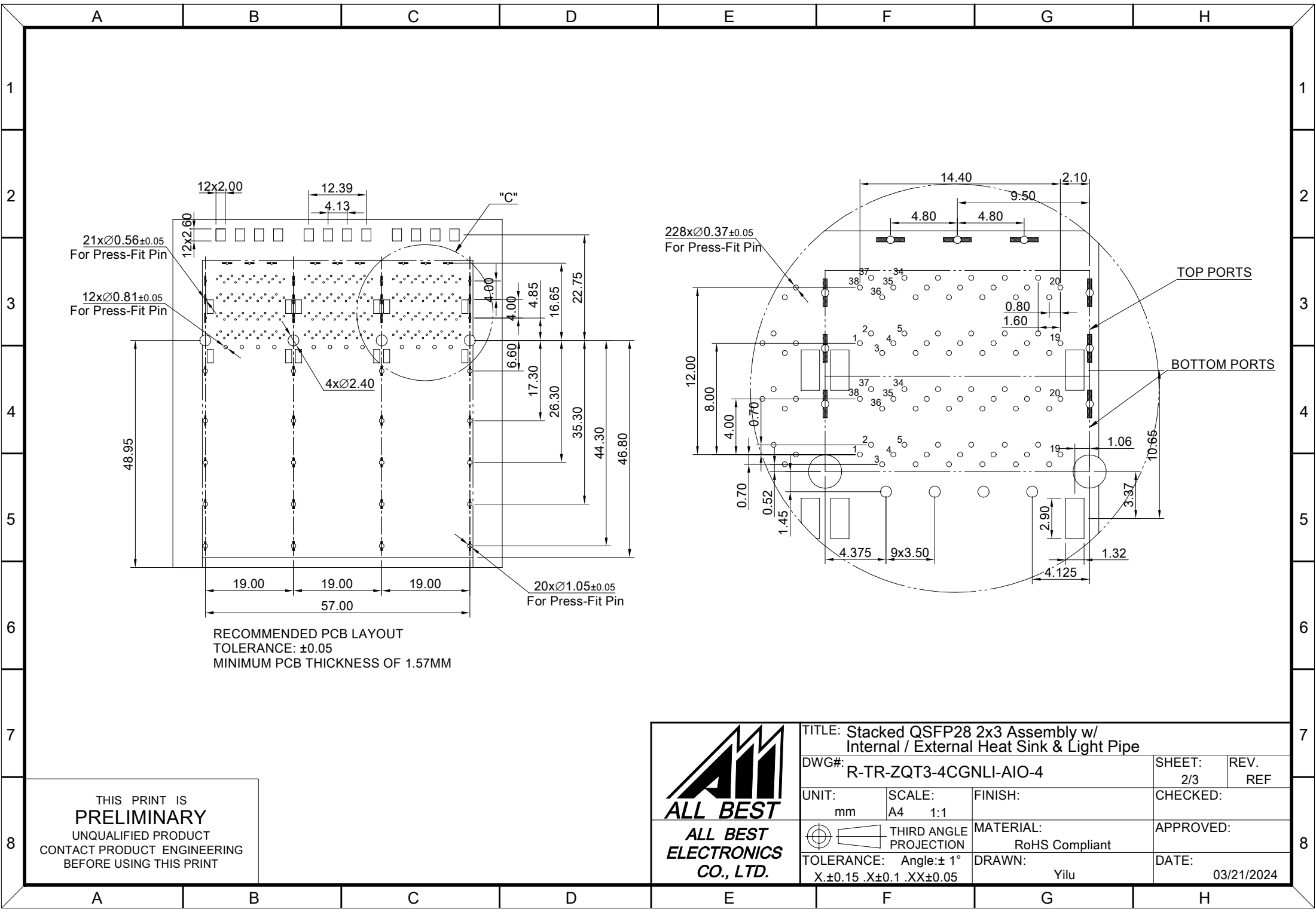
**MATERIAL:**  
 RoHS Compliant

**APPROVED:**

**TOLERANCE:** Angle: ± 1°  
 X.±0.25 .X±0.20 .XX±0.15

**DRAWN:** Yilu

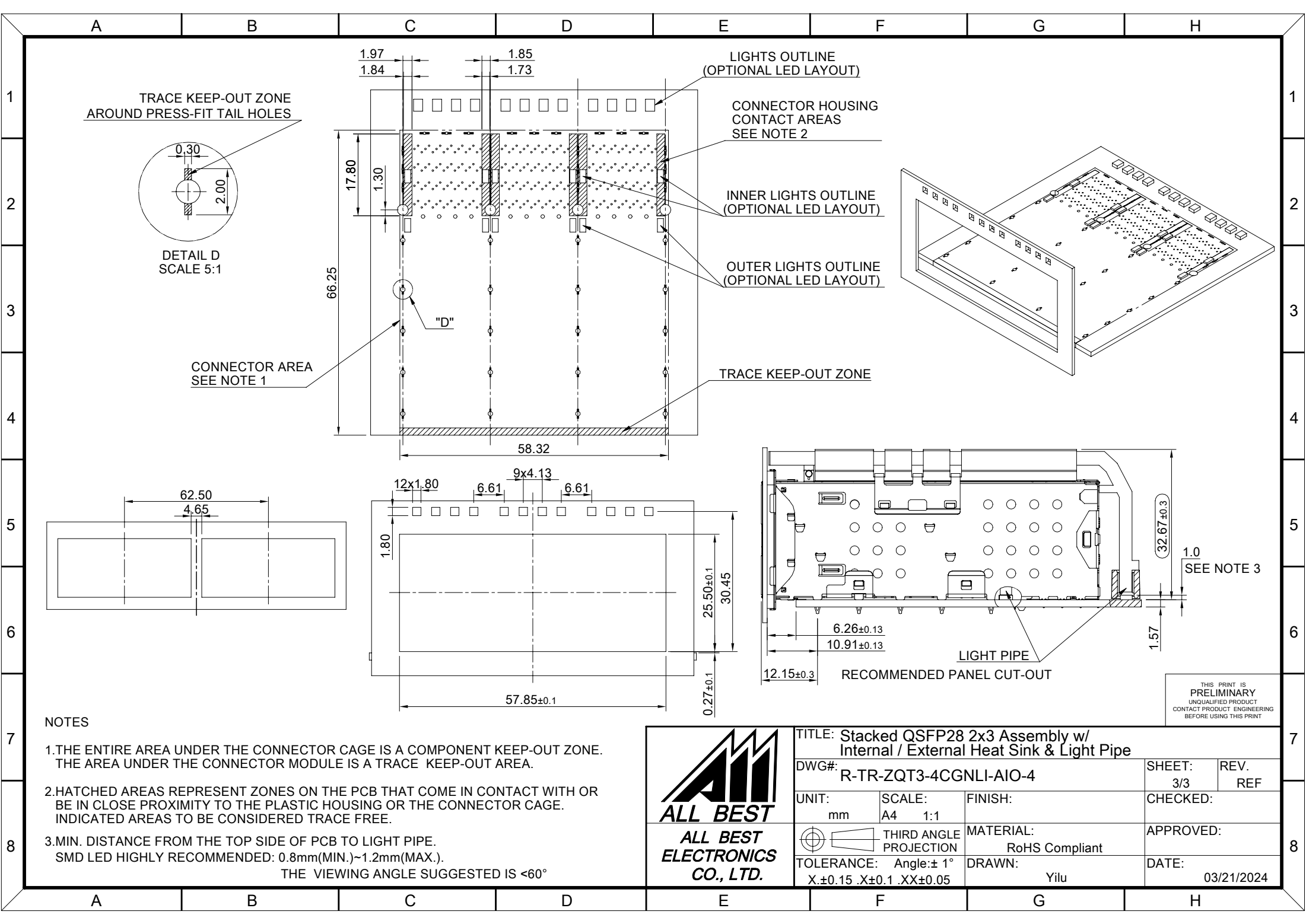
**DATE:** 03/21/2024



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TITLE: Stacked QSFP28 2x3 Assembly w/ Internal / External Heat Sink & Light Pipe			
DWG#: R-TR-ZQT3-4CGNLI-AIO-4		SHEET: 2/3	REV. REF
UNIT: mm	SCALE: A4 1:1	FINISH:	
THIRD ANGLE PROJECTION		MATERIAL: RoHS Compliant	
TOLERANCE: Angle: ± 1° X.±0.15 .X±0.1 .XX±0.05		DRAWN: Yilu	DATE: 03/21/2024
CHECKED:		APPROVED:	



- NOTES**
1. THE ENTIRE AREA UNDER THE CONNECTOR CAGE IS A COMPONENT KEEP-OUT ZONE. THE AREA UNDER THE CONNECTOR MODULE IS A TRACE KEEP-OUT AREA.
  2. HATCHED AREAS REPRESENT ZONES ON THE PCB THAT COME IN CONTACT WITH OR BE IN CLOSE PROXIMITY TO THE PLASTIC HOUSING OR THE CONNECTOR CAGE. INDICATED AREAS TO BE CONSIDERED TRACE FREE.
  3. MIN. DISTANCE FROM THE TOP SIDE OF PCB TO LIGHT PIPE.  
SMD LED HIGHLY RECOMMENDED: 0.8mm(MIN.)~1.2mm(MAX.).  
THE VIEWING ANGLE SUGGESTED IS <math><60^\circ</math>



<b>TITLE:</b> Stacked QSFP28 2x3 Assembly w/ Internal / External Heat Sink & Light Pipe			
<b>DWG#:</b> R-TR-ZQT3-4CGNLI-AIO-4		<b>SHEET:</b> 3/3	
		<b>REV.</b> REF	
<b>UNIT:</b> mm	<b>SCALE:</b> A4 1:1	<b>FINISH:</b>	<b>CHECKED:</b>
<b>THIRD ANGLE PROJECTION</b>		<b>MATERIAL:</b> RoHS Compliant	<b>APPROVED:</b>
<b>TOLERANCE:</b> Angle: $\pm 1^\circ$ X: $\pm 0.15$ .X: $\pm 0.1$ .XX: $\pm 0.05$		<b>DRAWN:</b> Yilu	<b>DATE:</b> 03/21/2024

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