

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

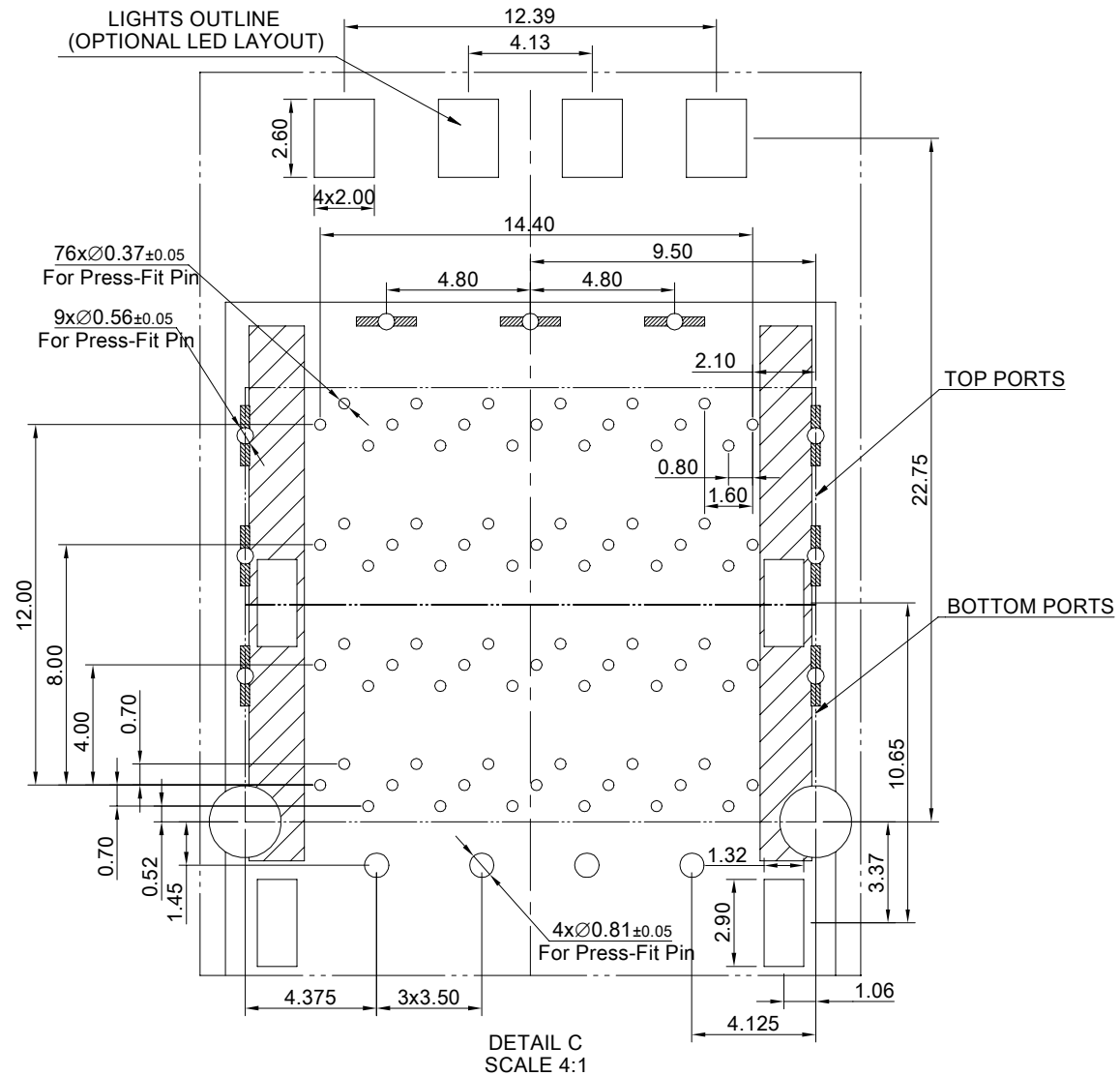
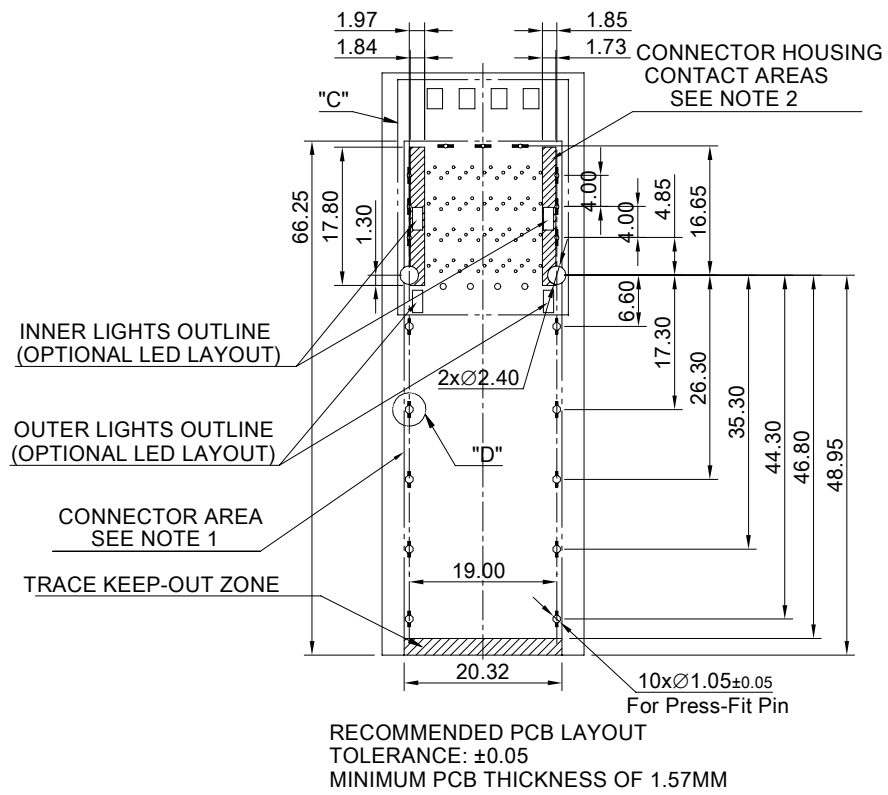
FINISH
 HEAT SINK: ANODE PROCESS
 CONTACT: 15μ" MIN. GOLD ON MATING END;
 30μ" MIN. MATTE TIN ON TERMINAL END;
 ALL UNDERPLATED 50μ" MIN. NICKEL

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

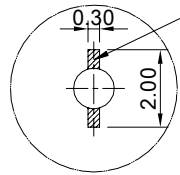
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 BEFORE USING THIS PRINT



| | | | |
|---|---------------|--------------------------|------------------|
| TITLE: Stacked QSFP28 2x1 Assembly w/ Internal / External Heat Sink & Light Pipe | | | |
| DWG#: R-TR-ZQT1-4CMNLI-AIO-4 | | SHEET: 1/3 | REV. REF |
| UNIT: mm | SCALE: A4 1:1 | CHECKED: | |
| THIRD ANGLE PROJECTION | | APPROVED: | |
| TOLERANCE: Angle: ± 1° X.±0.25 .X±0.20 .XX±0.15 | | MATERIAL: RoHS Compliant | DATE: 03/20/2024 |
| | | DRAWN: Yilu | |

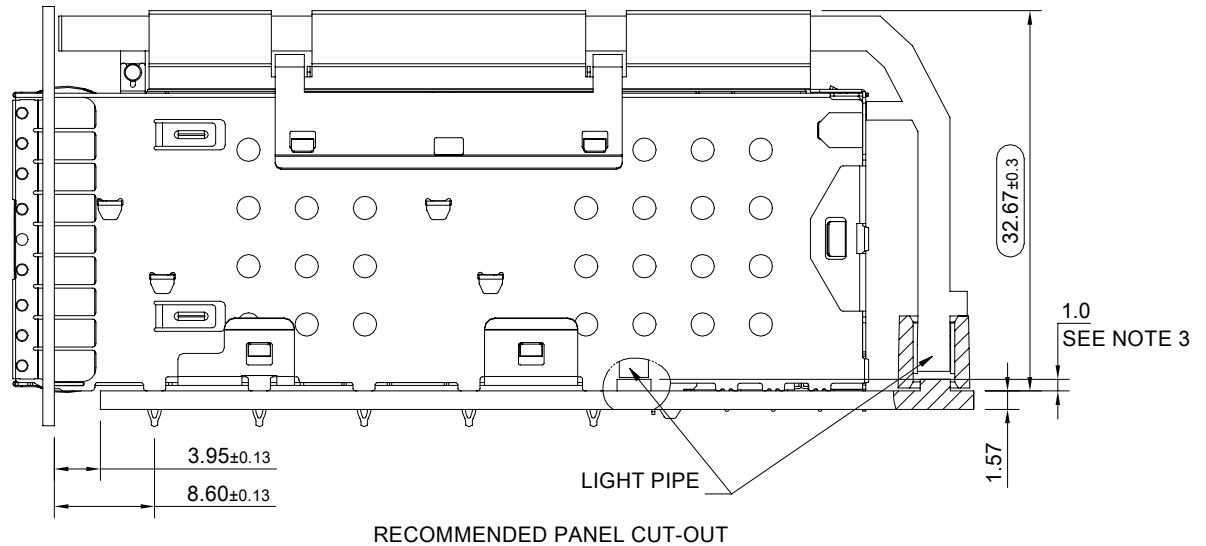
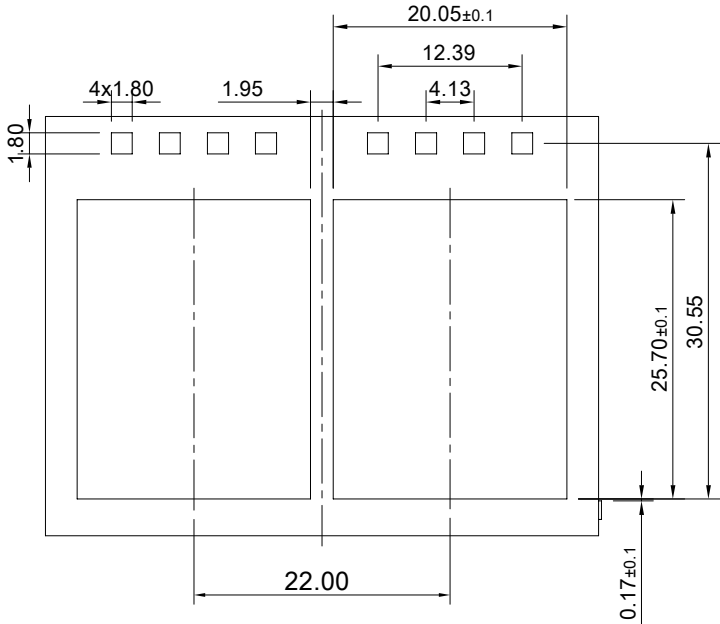


TRACE KEEP-OUT ZONE
AROUND PRESS-FIT TAIL HOLES



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|--|---|-----------------------------|---------------------|------|
| | TITLE: Stacked QSFP28 2x1 Assembly w/ Internal / External Heat Sink & Light Pipe | | SHEET: | REV. |
| | DWG#: R-TR-ZQT1-4CMNLI-AIO-4 | | 2/3 | REF |
| UNIT: mm | SCALE: A4 1:1 | FINISH: | CHECKED: | |
| TOLERANCE: Angle: $\pm 1^\circ$ X. ± 0.15 .X ± 0.1 .XX ± 0.05 | | MATERIAL: RoHS Compliant | APPROVED: | |
| THIRD ANGLE PROJECTION | | DRAWN: Yilu | DATE: 03/20/2024 | |



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 <60°

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|--|---|------------------|-----------------------------|-----------|
| <p>ALL BEST ELECTRONICS CO., LTD.</p> | TITLE: Stacked QSFP28 2x1 Assembly w/ Internal / External Heat Sink & Light Pipe | | SHEET: | REV. |
| | DWG#: R-TR-ZQT1-4CMNLI-AIO-4 | | 3/3 | REF |
| | UNIT: mm | SCALE: A4 3:2 | FINISH: | CHECKED: |
| | TOLERANCE: X.±0.15 .X±0.1 .XX±0.05 | | MATERIAL: RoHS Compliant | APPROVED: |
| THIRD ANGLE PROJECTION | | DRAWN: Yilu | DATE: 03/20/2024 | |