

AMPHENOL PART NUMBER CONFIGURATION

U90-B205-XXX1-XX0

CAGE & CONNECTOR CONTACT PLATING

2 = 0.76 µm MIN. GOLD ON MATING AREA,
3.81-7.62 µm TIN/LEAD ON TERMINATION.
Ni PLATING FOR CAGE

3 = 0.38 µm MIN. GOLD ON MATING AREA,
3.81-7.62 µm TIN/LEAD ON TERMINATION.
Ni PLATING FOR CAGE

4 = 0.76 µm MIN. GOLD OVER 1.27-3.81 µm OF NICKEL
ON MATING AREA
0.381-1.52 µm OF MATTE TIN OVER 1.27-3.81
µm OF NICKEL ON PRESS FIT TAIL AREA.
Ni PLATING FOR CAGE
(RoHS COMPLIANT PER RoHS DIRECTIVE 2011/65/EU; OPTION 4 ONLY)

OPTIONAL DUST COVER

0 = WITHOUT DUST COVER
D = WITH DUST COVER

VENT HOLES AND EMI COVER

0 = WITH LARGE HOLES & WITH EMI COVER
1 = WITH LARGE VENT HOLES, NO EMI COVER
2 = WITH SMALL VENT HOLES & WITH EMI COVER
3 = WITH SMALL VENT HOLES, NO EMI COVER
4 = WITH RECTANGULAR VENT HOLES & WITH EMI COVER
5 = WITH RECTANGULAR VENT HOLES, NO EMI COVER

EMI GASKET

1 = CHOMERICS 1273 CONDUCTIVE ELASTOMER
2 = CHOMERICS S6305 CONDUCTIVE ELASTOMER

OPTIONAL LIGHT PIPES

6 = WITH LIGHT PIPE (TRIANGULAR OUTLET)
LEFT ARROW POINTING BOTTOM PORT &
RIGHT ARROW POINTING TOP PORT
7 = WITHOUT LIGHT PIPE
8 = WITH LIGHT PIPE (REVERSED DIRECTION)
LEFT ARROW POINTING TOP PORT &
RIGHT ARROW POINTING BOTTOM PORT

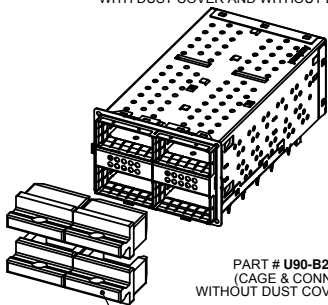
REFERENCE VIEW FOR OPTION 6 ONLY

REFERENCE VIEW FOR OPTION 8 ONLY

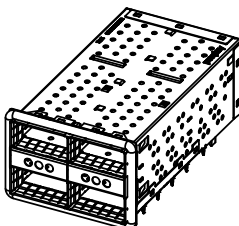
| REVISIONS | | | |
|-----------|-------------------------------|-----------|------|
| REV | DESCRIPTION, ECN, EAR NO. | DATE | APPD |
| A | PROPOSAL DRAWING | JUL 06/11 | ZLJ |
| B | OTHER CONFIGURATION ADDED | JAN 24/12 | ZLJ |
| C | HEAT SINK CONFIGURATION ADDED | FEB 09/12 | ZLJ |
| D | AHSI DESIGNATION ADDED | MAY 17/12 | ZLJ |
| E | HEAT SINK OPTION REMOVED | SEP 12/12 | ZLJ |
| F | RoHS DIRECTIVE ADDED | DEC 3/12 | ZLJ |

THIS IS A CAD DRAWING. DO NOT MANUALLY REVISE

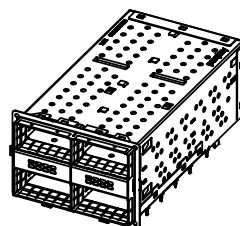
PART # U90-B205-XD71-X30 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITH DUST COVER AND WITHOUT LIGHT PIPE)



PART # U90-B205-X071-X10 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITHOUT LIGHT PIPE)

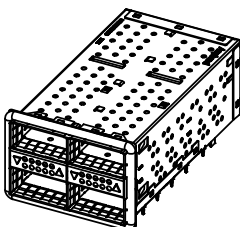


PART # U90-B205-X071-X50 SHOWN
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WITHOUT DUST COVER AND WITHOUT LIGHT PIPE)

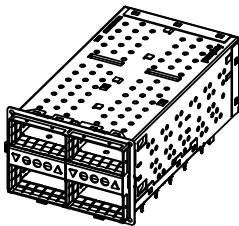


PART # U90-B205-X061-X30 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)

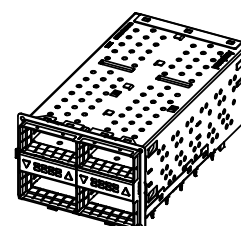
OPTIONAL DUST COVER
P/N U90-1401-8000-BP
(SHIPPED LOOSE)



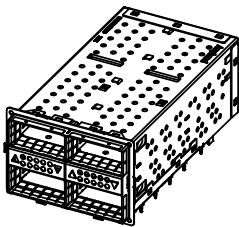
PART # U90-B205-X061-X10 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



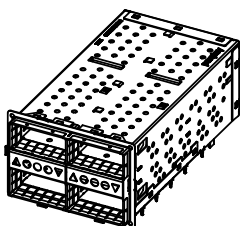
PART # U90-B205-X061-X50 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



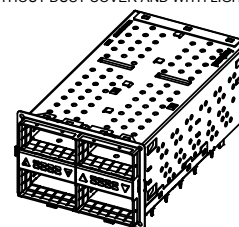
PART # U90-B205-X081-X30 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



PART # U90-B205-X081-X10 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



PART # U90-B205-X081-X50 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



NOTES:

- MATERIAL
CAGE/PRESS FIT: COPPER ALLOY, NICKEL PLATED
CONNECTOR/PRESS FIT: PLASTIC HOUSING, FLAMMABILITY RATING UL94 V-0.
CONTACTS: PHOSPHOR BRONZE
PLATING OPTION: SEE AMPHENOL PART NO CONFIGURATION
EMI GASKET: CONDUCTIVE ELASTOMER
EMI FINGERS: PHOSPHOR BRONZE WITH NICKEL PLATING
LIGHT PIPE: GE LEXAN, OPTICAL GRADE
- CONNECTOR AND CAGE ASSEMBLY IS RoHS COMPLIANT.

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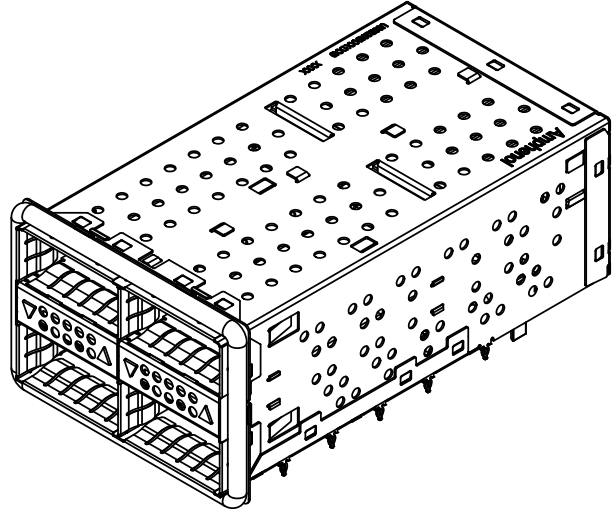
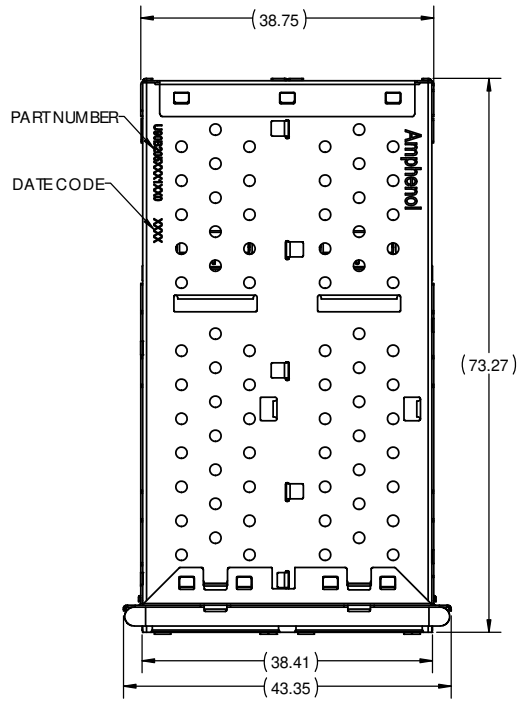
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|-------------------------------|------------------------|------------|----------------------|
| UNLESS SPECIFIED OTHERWISE | DRAWN | M.HASAN | JUL 04/11 |
| PRIMARY UNITS MILLIMETERS | CHECKED | ZLJ | JUL 06/11 |
| SECONDARY MILLIMETERS | M.E. APP'D | | |
| REFERENCE IN PARENTHESES | Q.A. APP'D | | |
| GENERAL TOLERANCES | DWG APPR. | TBA | TBD |
| 1. DECIMAL PLACE 0.X ±0.25 | ENG. REL. NO. | ECN EXXXXX | |
| 2. DECIMAL PLACES 0.XX ±0.13 | REF. | | |
| 3. ANGULAR DEGREES X° ±1° | THIRD ANGLE PROJECTION | | DO NOT SCALE DRAWING |
| 4. ANGULAR DEGREES X.X° ±0.5° | | | |

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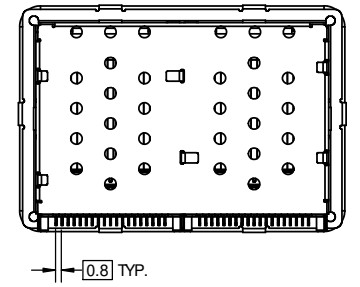
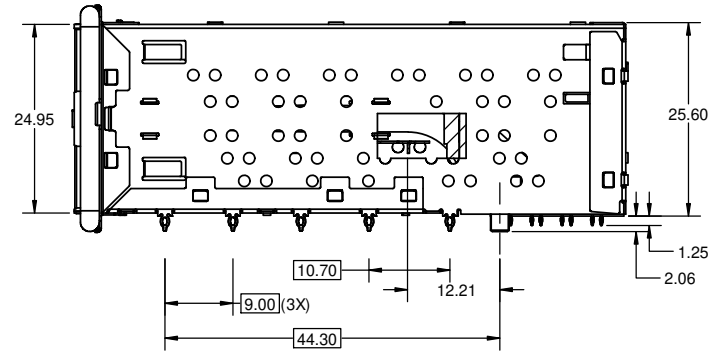
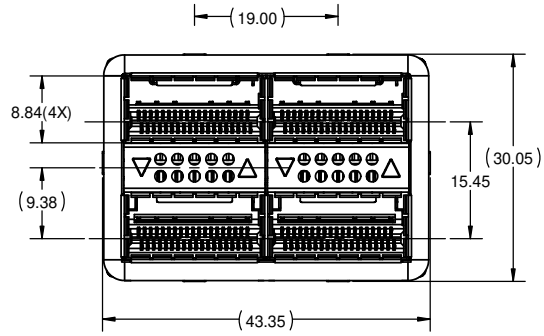
QSFP+ 2X2 STACKED
COMBO

| | | | |
|-------------|---------------------|--------------|---|
| DWG. NO. | P-U90-B205-XXX1-XX0 | REV | F |
| CODE ID NO. | 03554 | DWG SIZE: | X |
| SCALE: | 2:1 | SHEET 1 OF 4 | |

| REVISIONS | | | |
|-----------|---------------------------|----------|-------|
| REV | DESCRIPTION, ECN, EAR NO. | DATE | APP'D |
| F | SEE PAGE 1 | DEC 3/12 | ZLJ |



PART # U90-B205-X061-X30 SHOWN



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| PRIMARY UNITS MILLIMETERS | CHECKED | ZLJ | JUL 06/11 |
| SECONDARY MILLIMETERS | M.E. APP'D | | |
| REFERENCE IN PARENTHESES | Q.A. APP'D | | |
| GENERAL TOLERANCES | DWG APPR. | TBA | TBD |
| 1. DECIMAL PLACE 0.X±0.25 | ENG. REL. NO. | ECN EXXXXX | |
| 2. DECIMAL PLACES 0.XX±0.13 | REF. | | |
| 3. ANGULAR DEGREES X°±1° | THIRD ANGLE PROJECTION | | |
| 4. ANGULAR DEGREES X.X°±0.5° | DO NOT SCALE DRAWING | | |

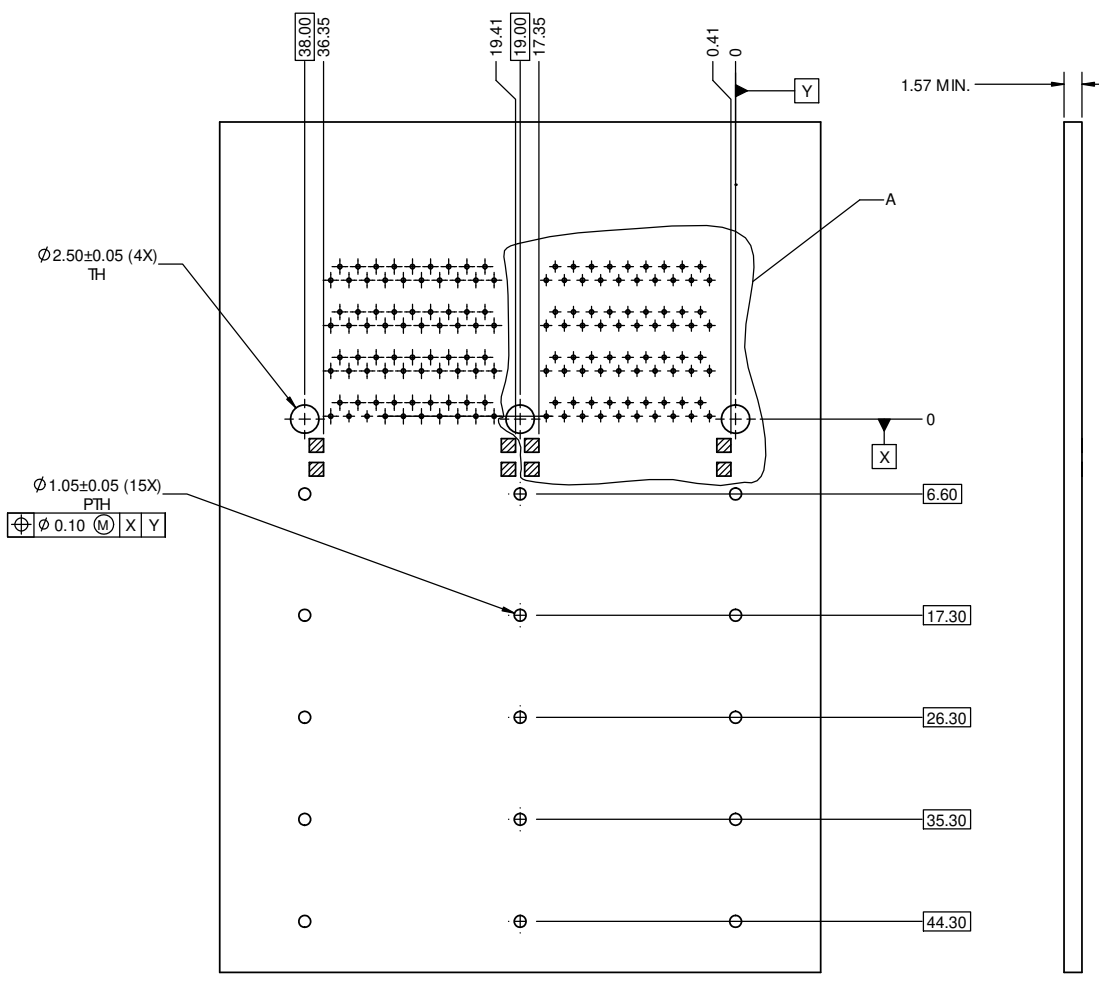
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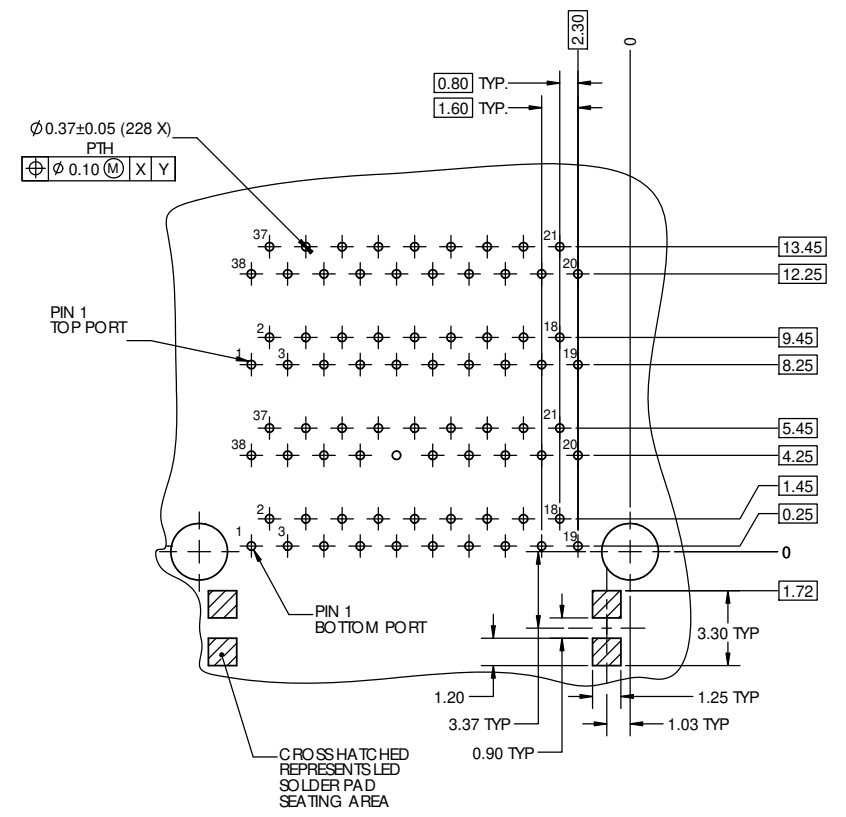
DWG. NO. **P-P-U90-B205-XXX1-XX0** REV **F**

CODE ID NO. 03554 DWG SIZE: X SCALE: 2:1 SHEET 2 OF 4

| REVISIONS | | | |
|-----------|---------------------------|----------|-------|
| REV | DESCRIPTION, ECN, EAR NO. | DATE | APP'D |
| F | SEE SHEET 1 | DEC 3/12 | ZLJ |



RECOMMENDED PCB BOARD LAYOUT
COMPONENT SIDE SHOWN



DETAIL A
SCALE 6 : 1

| | | | |
|------------------------------|------------------------|------------|-----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN | MASROOR H. | JUL 04/11 |
| PRIMARY UNITS MILLIMETERS | CHECKED | ZLJ | JUL 06/11 |
| SECONDARY MILLIMETERS | M.E. APP'D | | |
| REFERENCE IN PARENTHESES | Q.A. APP'D | | |
| GENERAL TOLERANCES | DWG APPR. | TBA | TBD |
| 1. DECIMAL PLACE 0.X±0.25 | ENG. REL. NO. | ECN EXXXXX | |
| 2. DECIMAL PLACES 0.XX±0.13 | REF. | | |
| 3. ANGULAR DEGREES X°±1° | THIRD ANGLE PROJECTION | | |
| 4. ANGULAR DEGREES X.X°±0.5° | DO NOT SCALE DRAWING | | |

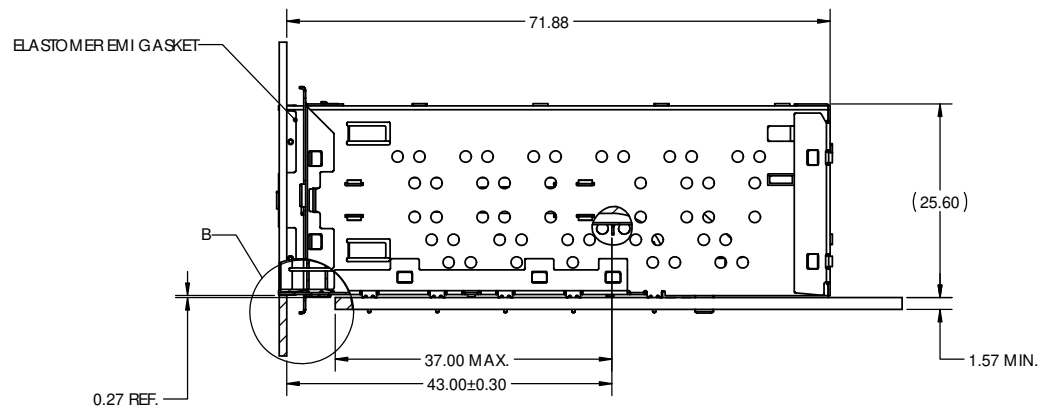
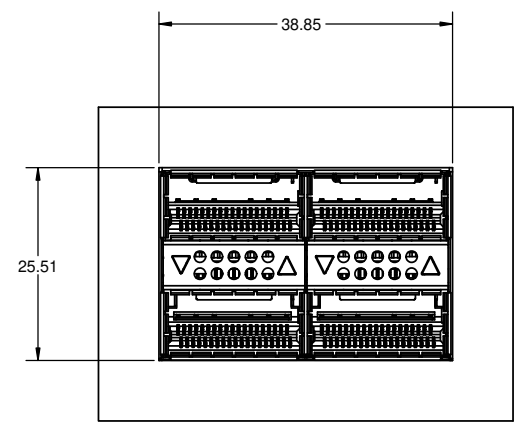
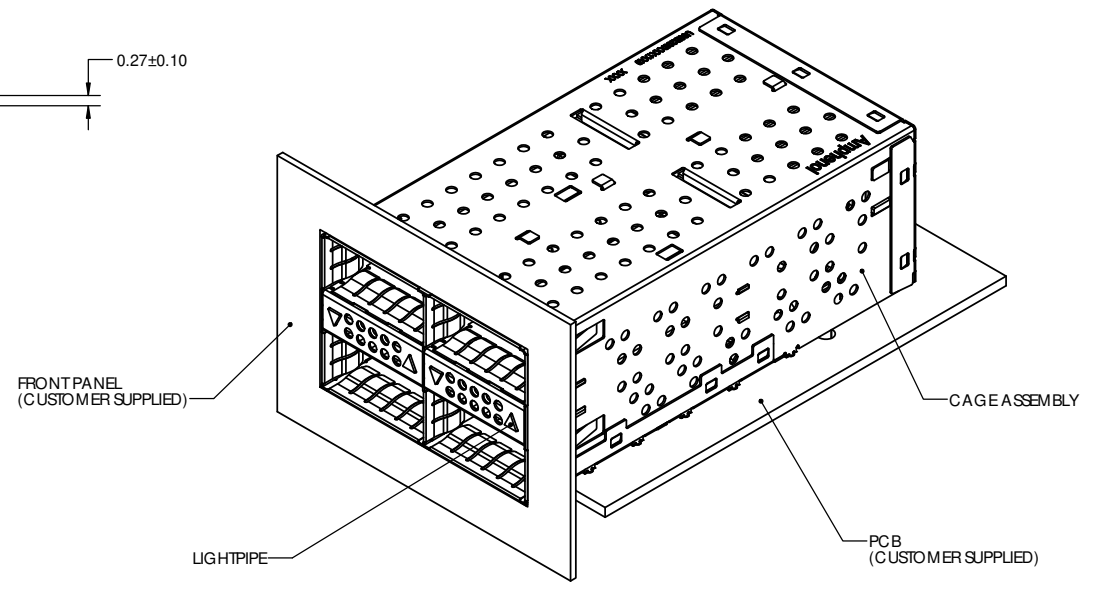
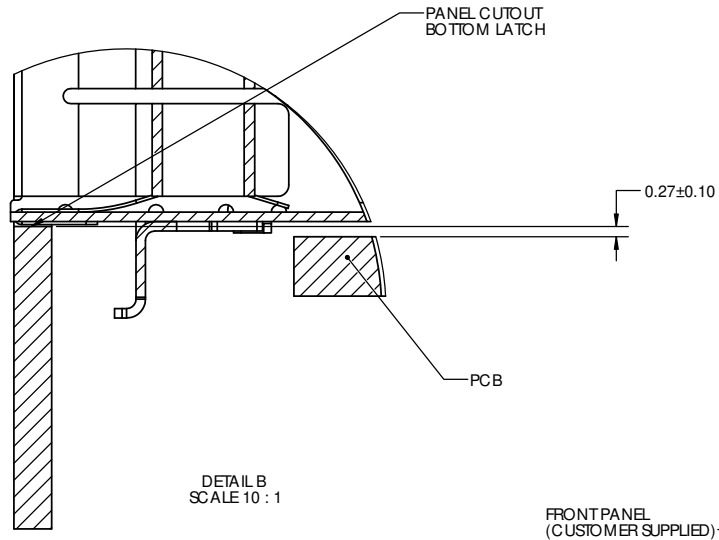
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QSFP+ 2X2 STACKED COMBO

DWG. NO. **P-U90-B205-XXX1-XX0** REV **F**

CODE ID NO. 03554 DWG SIZE: C SCALE: 2:1 SHEET 3 OF 4

| REVISIONS | | | |
|-----------|---------------------------|----------|-------|
| REV | DESCRIPTION, ECN, EAR NO. | DATE | APP'D |
| F | SEE SHEET 1 | DEC 3/12 | ZLJ |



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| 2. DECIMAL PLACES 0.XX±0.13 | REF. | | |
| 3. ANGULAR DEGREES X°±1° | THIRD ANGLE PROJECTION | | |
| 4. ANGULAR DEGREES X.X°±0.5° | DO NOT SCALE DRAWING | | |

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QSFP+ 2X2 STAKED COMBO

DWG. NO. **P-U90-B205-XXX1-XX0** REV **F**

CODE ID NO. 03554 DWG SIZE: C SCALE: 2:1 SHEET 4 OF 4

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