

# 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

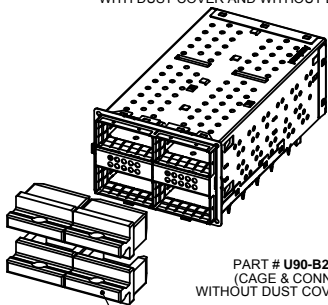
 REFERENCE VIEW FOR OPTION 6 ONLY

 REFERENCE VIEW FOR OPTION 8 ONLY

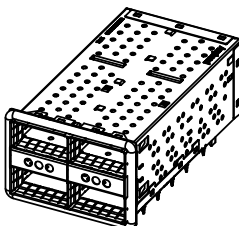
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING	JUL 06/11	ZLJ
B	OTHER CONFIGURATION ADDED	JAN 24/12	ZLJ
C	HEAT SINK CONFIGURATION ADDED	FEB 09/12	ZLJ
D	AHSI DESIGNATION ADDED	MAY 17/12	ZLJ
E	HEAT SINK OPTION REMOVED	SEP 12/12	ZLJ
F	RoHS DIRECTIVE ADDED	DEC 3/12	ZLJ

THIS IS A CAD DRAWING. DO NOT MANUALLY REVISE

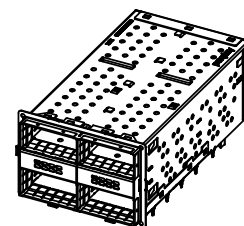
PART # U90-B205-XD71-X30 SHOWN  
(CAGE & CONNECTOR ASSEMBLY,  
WITH DUST COVER AND WITHOUT LIGHT PIPE)



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

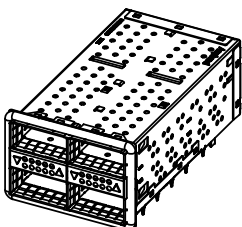


PART # U90-B205-X071-X50 SHOWN  
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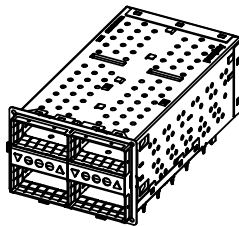


PART # U90-B205-X061-X30 SHOWN  
(CAGE & CONNECTOR ASSEMBLY,  
WITHOUT DUST COVER AND WITH LIGHT PIPE)

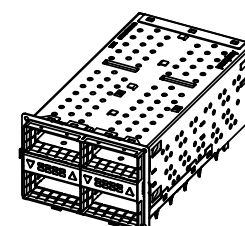
OPTIONAL DUST COVER  
P/N U90-1401-8000-BP  
(SHIPPED LOOSE)



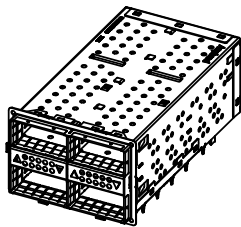
PART # U90-B205-X061-X10 SHOWN  
(CAGE & CONNECTOR ASSEMBLY,  
WITHOUT DUST COVER AND WITH LIGHT PIPE)



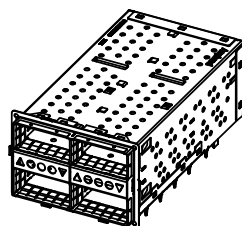
PART # U90-B205-X061-X50 SHOWN  
(CAGE & CONNECTOR ASSEMBLY,  
WITHOUT DUST COVER AND WITH LIGHT PIPE)



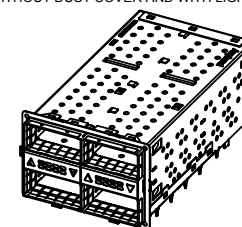
PART # U90-B205-X081-X30 SHOWN  
(CAGE & CONNECTOR ASSEMBLY,  
WITHOUT DUST COVER AND WITH LIGHT PIPE)



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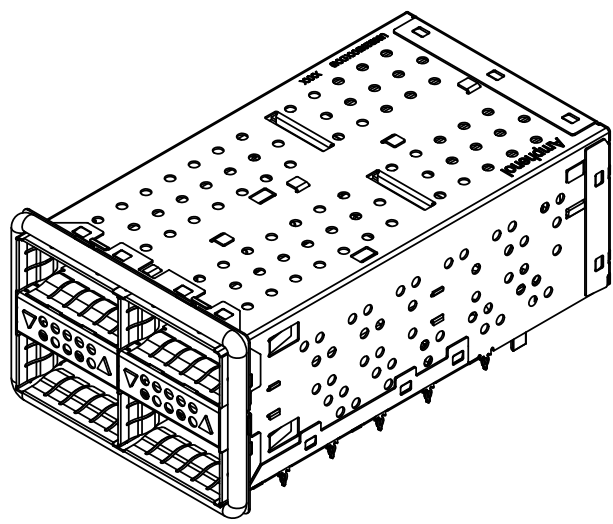
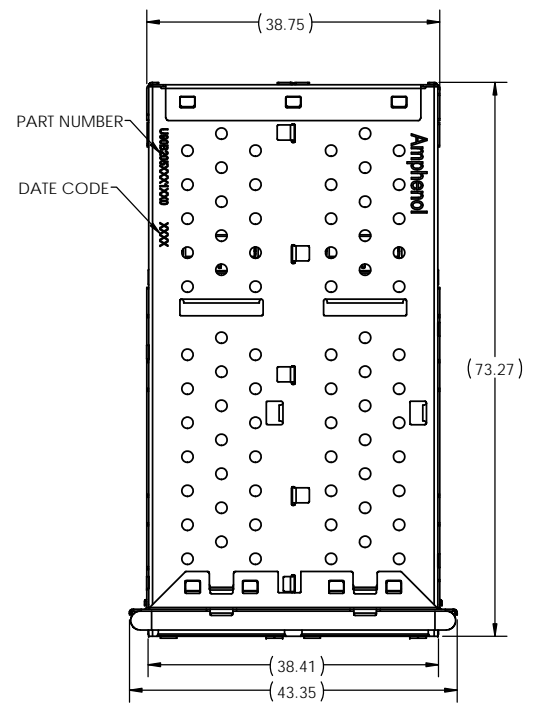
UNLESS SPECIFIED OTHERWISE	DRAWN	M.HASAN	JUL 04/11
PRIMARY UNITS MILLIMETERS	CHECKED	ZLJ	JUL 06/11
SECONDARY MILLIMETERS	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	TBA	TBD
1. DECIMAL PLACE 0.X ±0.25	ENG. REL. NO.	ECN EXXXXX	
2. DECIMAL PLACES 0.XX ±0.13	REF.		
3.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

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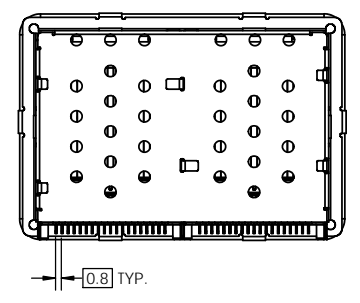
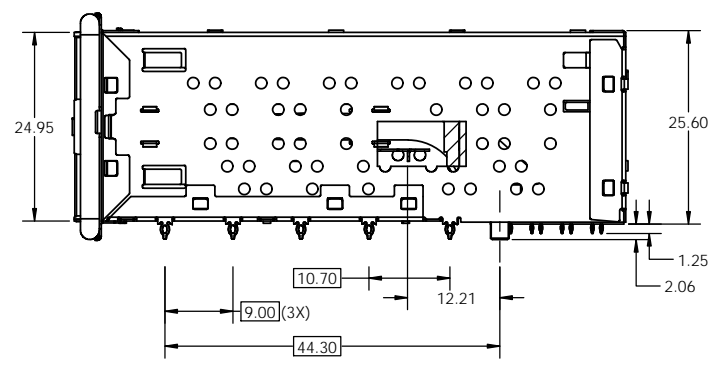
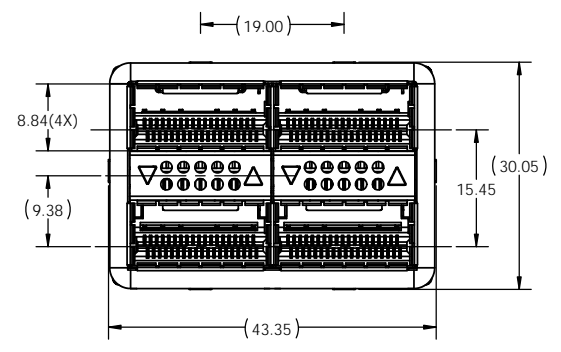
QSFP+ 2X2 STACKED  
COMBO

DWG. NO.	P-U90-B205-XXX1-XX0	REV	F
CODE ID NO.	03554	DWG SIZE:	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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2. DECIMAL PLACES 0.XX±0.13	REF.		
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4. ANGULAR DEGREES X.X°±0.5°	DO NOT SCALE DRAWING		

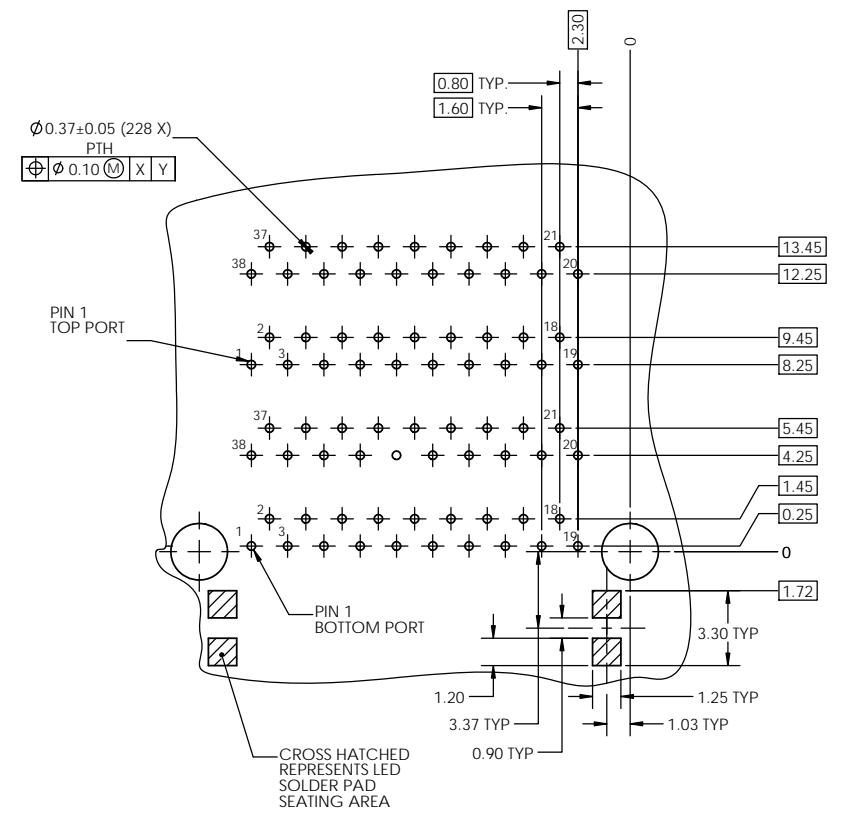
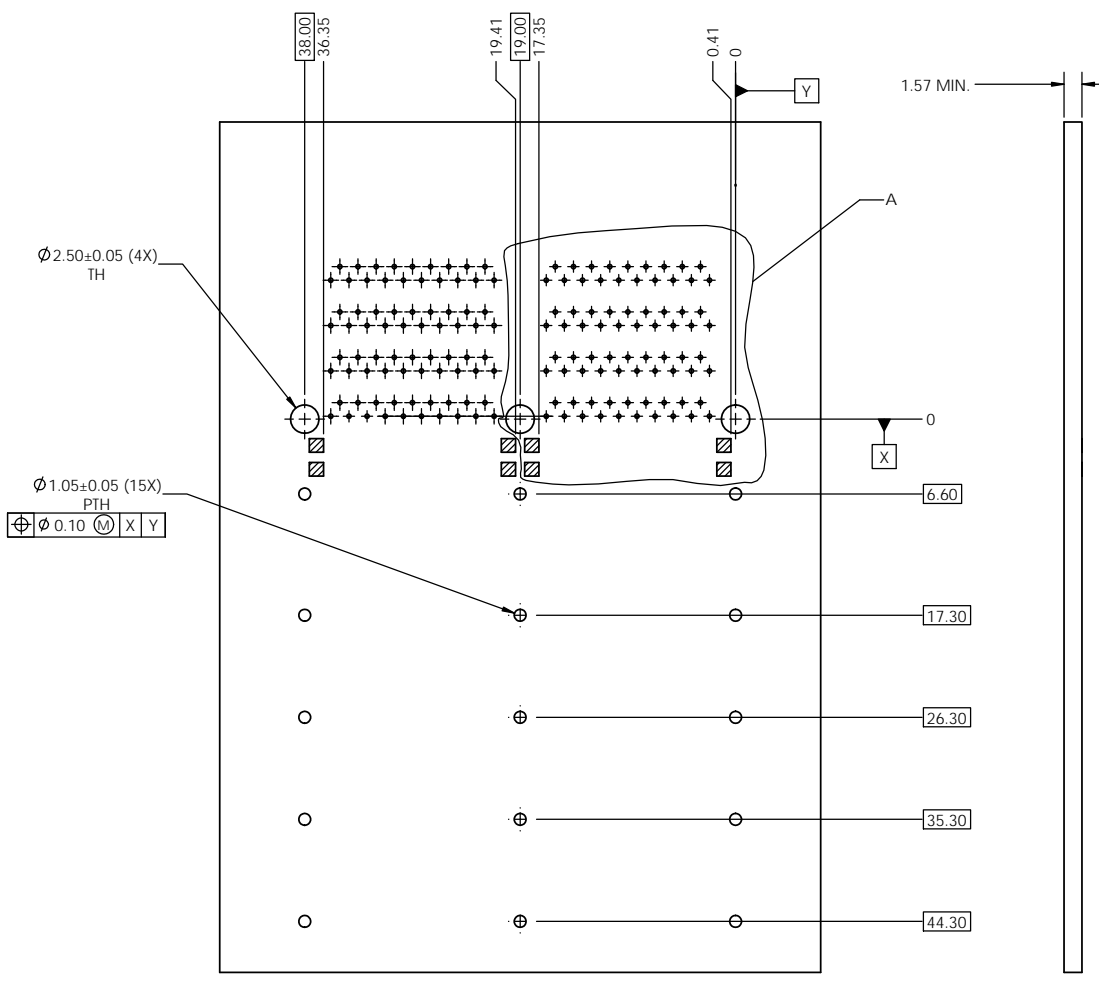
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**QSFP+ 2X2 STACKED COMBO**

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

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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		
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1. DECIMAL PLACE 0.X ± 0.25	ENG. REL. NO.	ECN EXXXXX	
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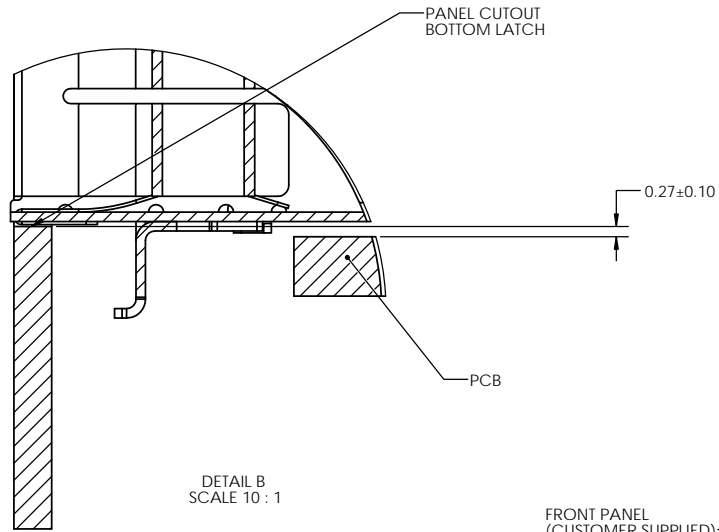
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**QSFP+ 2X2 STACKED COMBO**

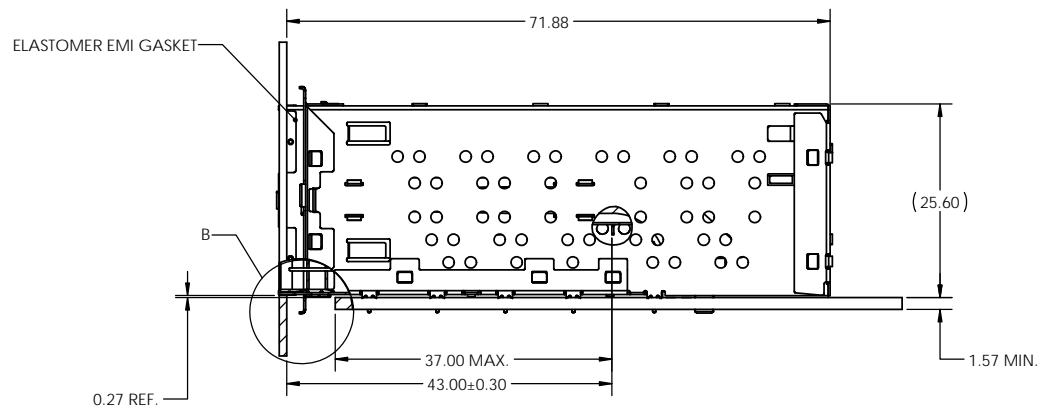
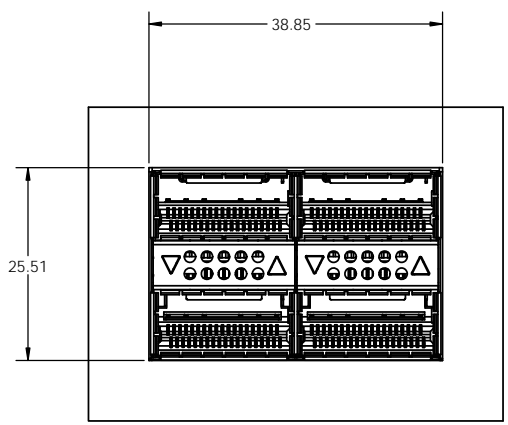
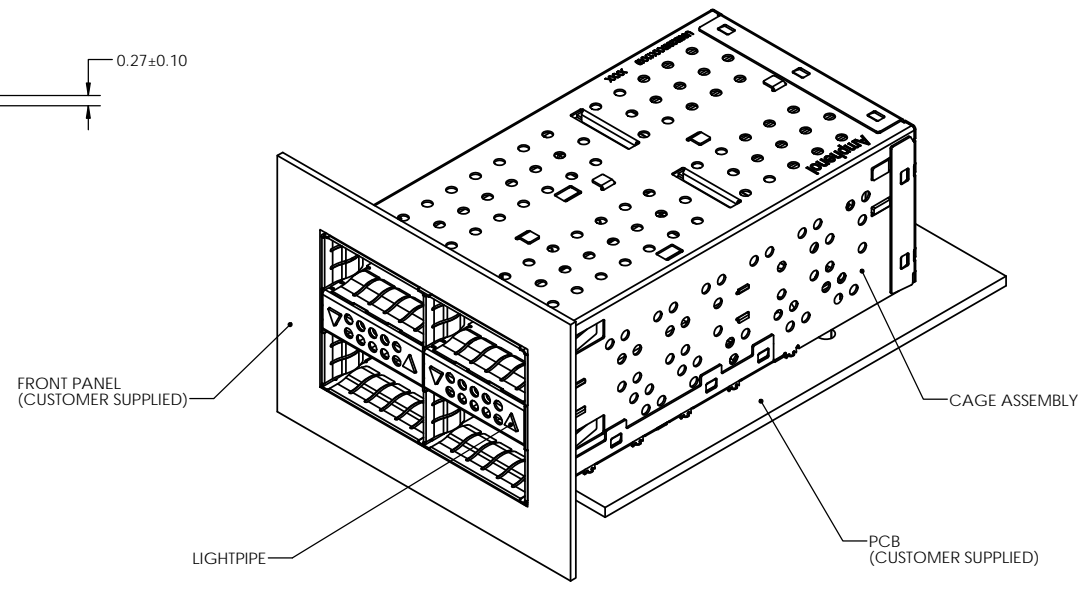
DWG. NO. **P-U90-B205-XXX1-XX0** REV **F**

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

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
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DETAIL B  
SCALE 10 : 1



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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