

AMPHENOL PART NUMBER CONFIGURATION

U 9 0 - B 3 0 5 - X X X 1 - X X 0

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 VENT 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

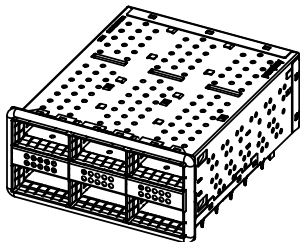


REFERENCE VIEW FOR OPTION 8 ONLY

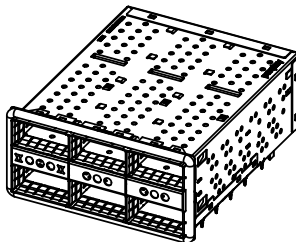
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPD
E	PROPOSAL DRAWING	JUN 01/11	ZLJ
F	UPDATED WITH NEW PART NUMBERING SYSTEM	JUN 14/11	ZLJ
G	LEAD FREE CONTACT PLATING OPTION ADDED	JUL 04/11	ZLJ
H	U90-B305-X071-X10 NOW SHOWN CORRECTLY	OCT 07/11	
J	REVERSED LP CONFIGURATION ADDED	NOV 11/11	ZLJ
K	OTHER CONFIGURATION ADDED	JAN 24/12	ZLJ
L	HEAT SINK CONFIGURATION ADDED	MAY 10/12	KH
M	AHSI DESIGNATION ADDED	MAY 17/12	ZLJ
N	KEEP OUT AREA ADDED	OCT 31/12	ZLJ
P	RoHS DIRECTIVE ADDED&HEAT SINK OPT REMOVED	DEC 3/12	ZLJ

THIS IS A CAD DRAWING. DO NOT MANUALLY REVISE.

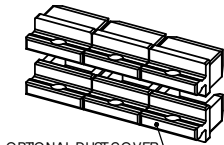
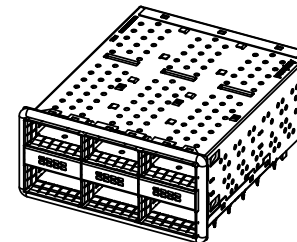
PART # U90-B305-X071-X30 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITH DUST COVER AND WITHOUT LIGHT PIPE)



PART # U90-B305-X071-X10 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITHOUT LIGHT PIPE)

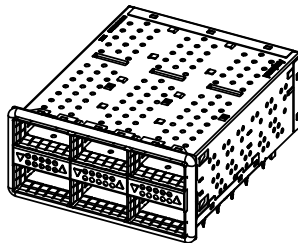


PART # U90-B305-X071-X50 SHOWN
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WITHOUT DUST COVER AND WITHOUT LIGHT PIPE)

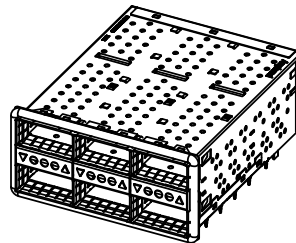


OPTIONAL DUST COVER
P/N U90-1401-8000BP
(SHIPPED LOOSE)

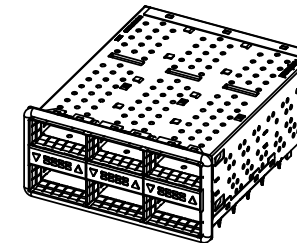
PART # U90-B305-X061-X30 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



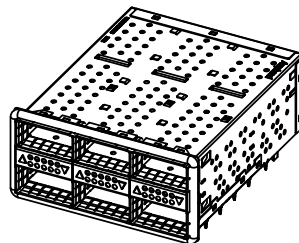
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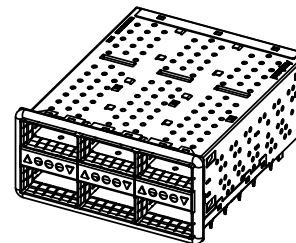
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(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



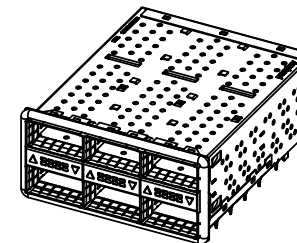
PART # U90-B305-X081-X30 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



PART # U90-B305-X081-X10 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



PART # U90-B305-X081-X50 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



NOTES:

1. 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

2. CONNECTOR AND CAGE ASSEMBLY IS RoHS COMPLIANT.

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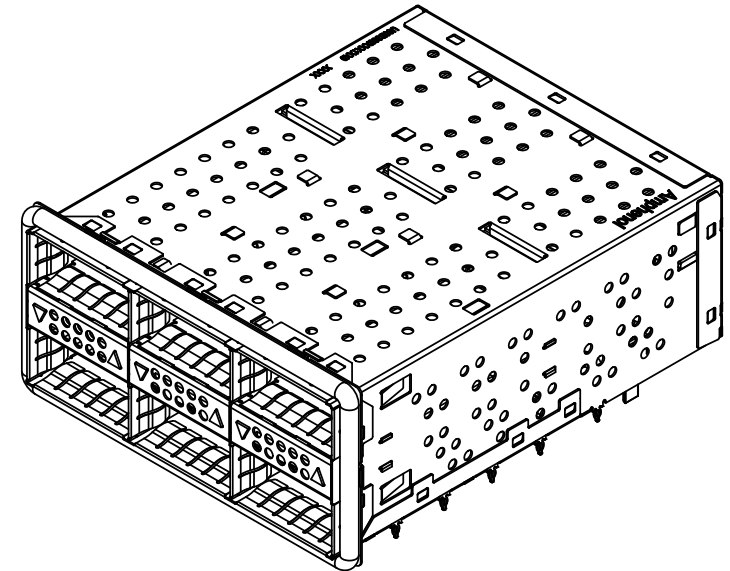
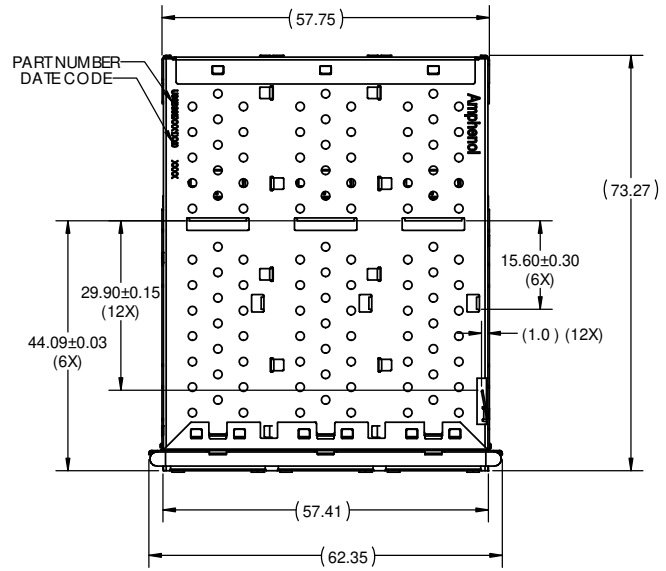
UNLESS SPECIFIED OTHERWISE	DRAWN	K.Haider	MAY12,11
PRIMARY UNITS	MILLIMETERS	CHECKED	Z. Ljubijanic
SECONDARY	MILLIMETERS	M.E. APPD	JUN01,11
REFERENCE IN PARENTHESES		Q.A. APPD	
GENERAL TOLERANCES	DWG APPR.		
1. DECIMAL PLACE	0.X ±0.25	ENG. REL. NO.	
2. DECIMAL PLACES	0.XX ±0.13	REF.	
3. ANGULAR DEGREES	X° ±1°	THIRD ANGLE PROJECTION	
4. ANGULAR DEGREES	X.X° ±0.5°	DO NOT SCALE DRAWING	

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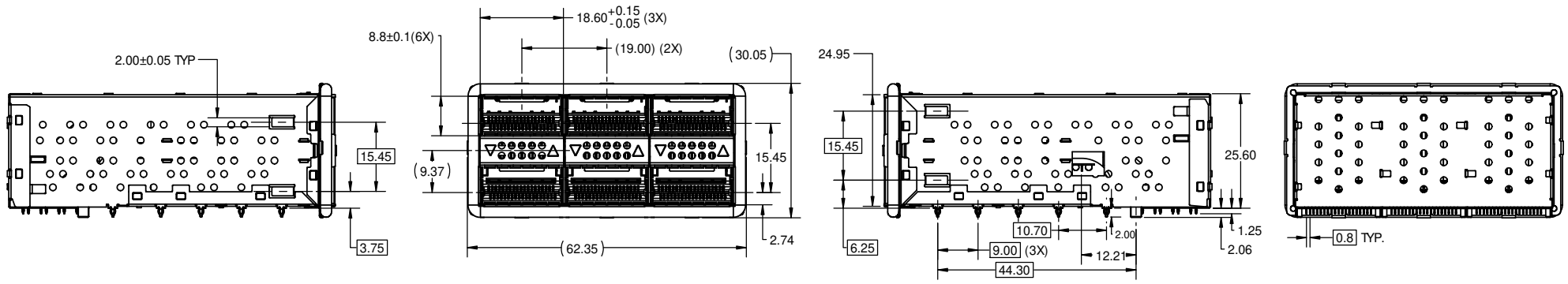
QSFP+ 2X3 STACKED COMBO

DWG. NO.	P-U90-B305-XXX1-XX0	REV	P
CODE ID NO.	03554	DWG SIZE:	C
SCALE:	4:1	SHEET	1 OF 4

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



PART # U90-B305-X061-X30 SHOWN



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SECONDARY MILLIMETERS	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
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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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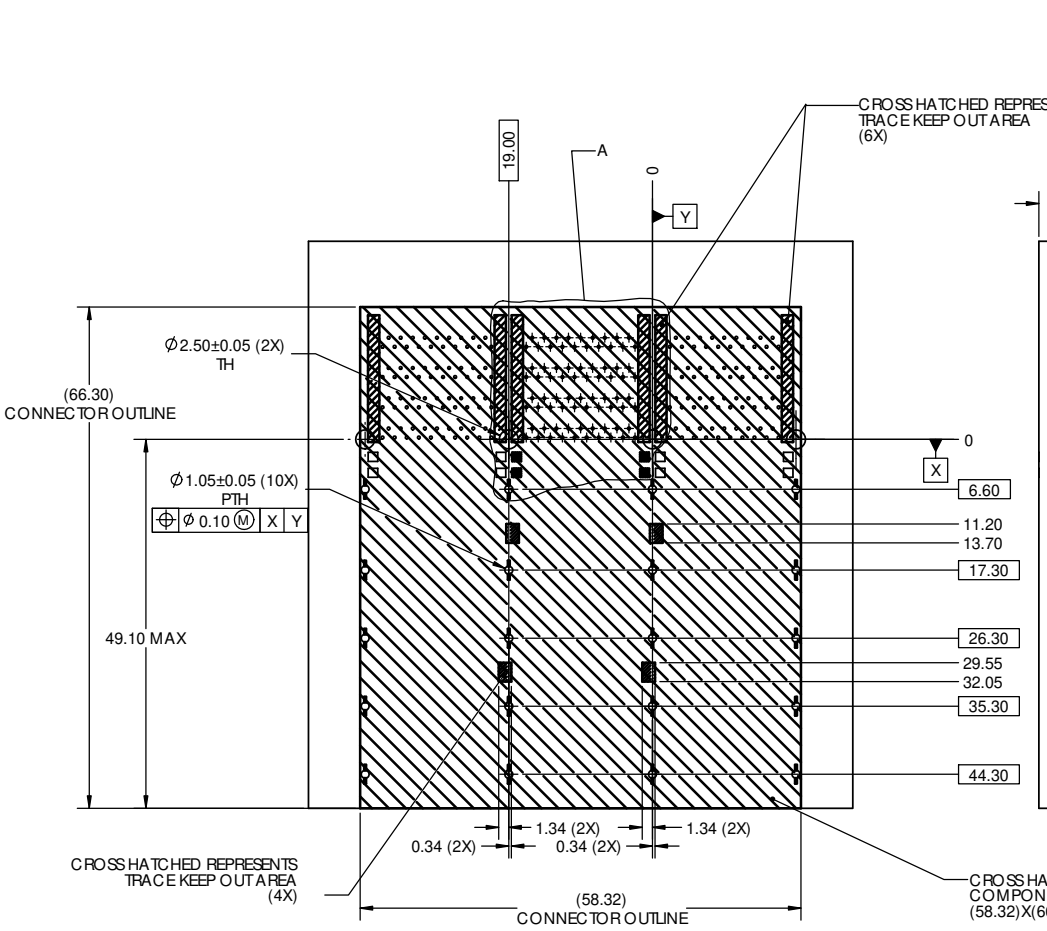
QSFP+ 2X3 STACKED COMBO

DWG. NO. **P-U90-B305-XXX1-XX0** REV **P**

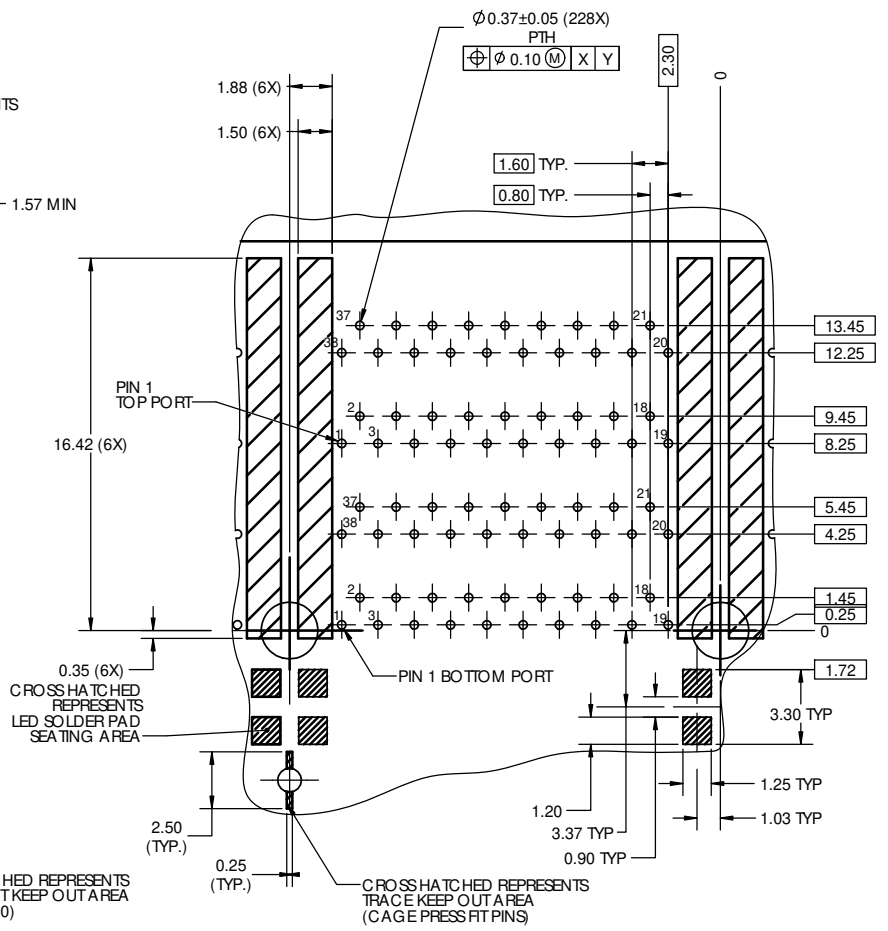
CODE ID NO. 03554 DWG SIZE: C SCALE: 4:1 SHEET 2 OF 4

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RECOMMENDED PCB BOARD LAYOUT
COMPONENT SIDE SHOWN



DETAIL A
SCALE 6:1

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3. ANGULAR DEGREES	X° ± 1°		
4. ANGULAR DEGREES	X.X° ± 0.5°		
	THIRD ANGLE PROJECTION		
	DO NOT SCALE DRAWING		

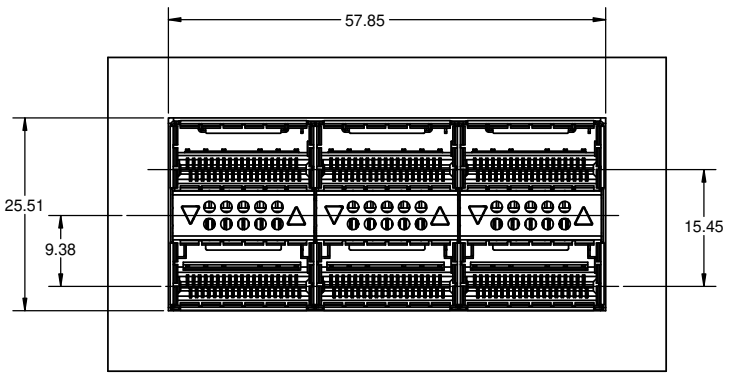
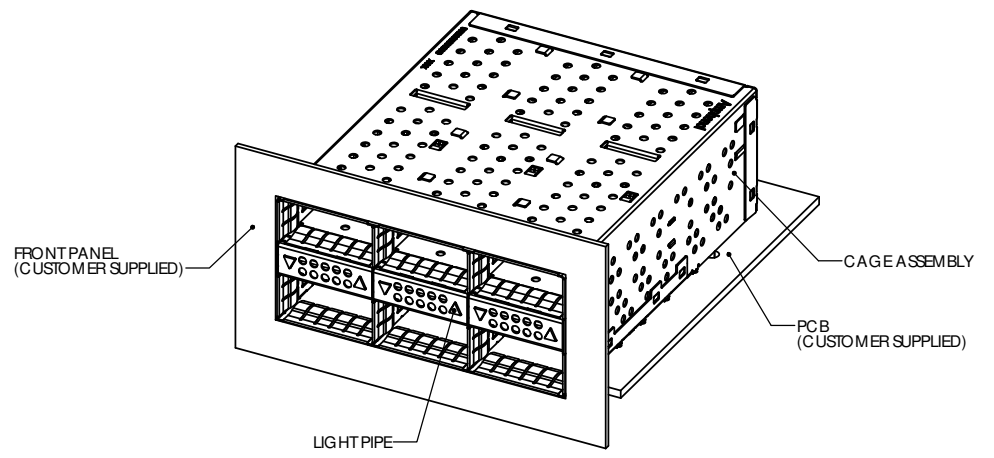
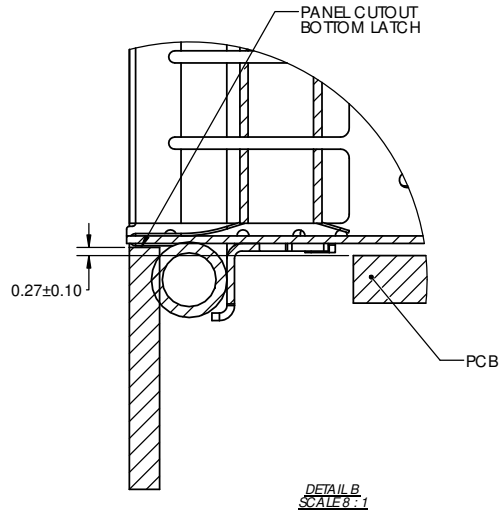
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QSFP+ 2X3 STACKED COMBO

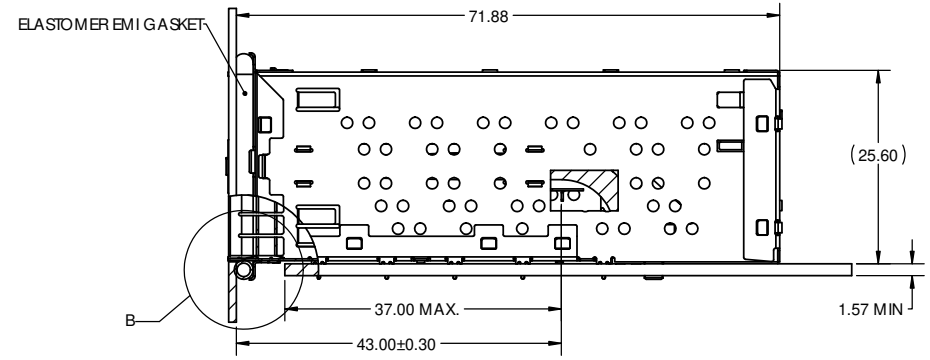
DWG. NO. **P-U90-B305-XXX1-XX0** REV **P**

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

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



RECOMMENDED PANEL CUTOUT



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PRIMARY UNITS MILLIMETERS	CHECKED Z. Ljubijankic	JUN 01, 11	
SECONDARY MILLIMETERS	M.E. APP'D		QSFP+ 2X3 STACKED COMBO
REFERENCE IN PARENTHESSES	Q.A. APP'D		
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1. DECIMAL PLACE 0.X±0.25	ENG. REL. NO.		
2. DECIMAL PLACES 0.XX±0.13	REF.		CODE ID NO. 03554 DWG SIZE: C SCALE: 4:1 SHEET 4 OF 4
3. ANGULAR DEGREES X°±1°	THIRD ANGLE PROJECTION	DO NOT SCALE DRAWING	
4. ANGULAR DEGREES X.X°±0.5°			REV P