

AMPHENOL PART NUMBER CONFIGURATION

U95-R175-4XXL-LX1-X

CAGE & CONNECTOR CONTACT PLATING

4 = 0.76 µm MIN. GOLD OVER 1.27-3.81 µm OF NICKEL ON MATING AREA
0.76 µm MIN. OF MATTE TIN OVER 1.27-3.81 µm OF NICKEL ON PRESS FIT TAIL AREA.
Ni PLATING FOR CAGE

OPTIONAL DUST COVER

0 = WITHOUT DUST COVER
D = WITH DUST COVER

OPTIONAL HEAT SINK

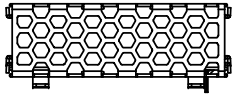
0 = NO TOP HEAT SINK, WITH MIDDLE HEAT SINK, CLOSE TOP
1 = NO TOP HEAT SINK, WITH MIDDLE HEAT SINK, OPEN TOP
2 = NO TOP HEAT SINK, WITH SIDE TO SIDE MID HEAT SINK, OPEN TOP
A = HEAT SINK HEIGHT 33.4 mm MAX. (PLUGGED IN)
B = HEAT SINK HEIGHT 29.1 mm MAX. (PLUGGED IN)
C = HEAT SINK HEIGHT 32.5 mm MAX. (PLUGGED IN)
F = HEAT SINK HEIGHT 32.1 mm MAX. (PLUGGED IN)
G = BASE ON "F", BLACK ANODIZED HEATSINK
H = BASE ON "C", BLACK ANODIZED HEATSINK
J = HEAT SINK HEIGHT 29.5 mm MAX. (PLUGGED IN)

OPTIONAL VENT HOLE

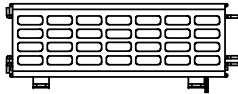
C = RECTANGULAR
H = HEXAGON

OPTIONAL LIGHT PIPES

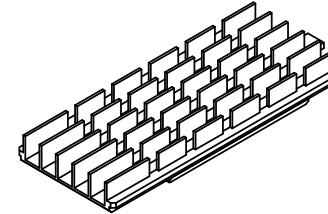
2 = 2 LP ON TOP, OUTER
H = 2 LP ON TOP, OUTER, LOW PROFILE
7 = NO LP



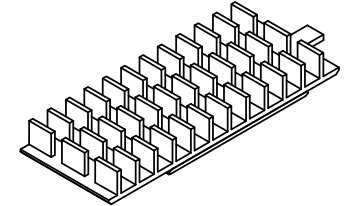
U95-R175-4XXL-LH1-X



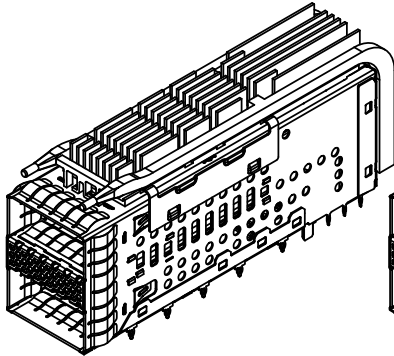
U95-R175-4XXL-LC1-X



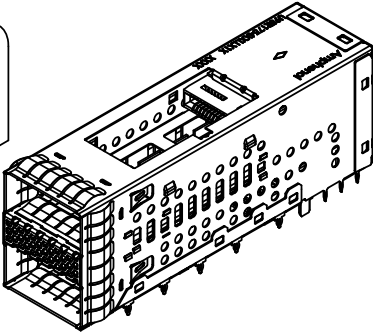
MIDDLE HEAT SINK FIN STYLE FOR
ALL PART NUMBERS EXCEPT
U95-R175-4XXL-LX1-2



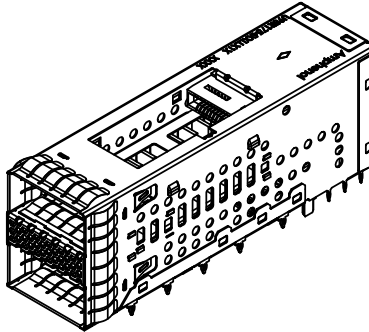
MIDDLE HEAT SINK FIN STYLE FOR
U95-R175-4XXL-LX1-2
PRELIMINARY DESIGN



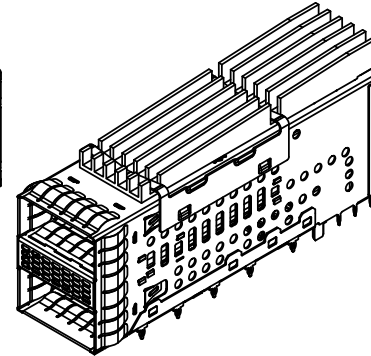
U95-R175-402L-LH1-A



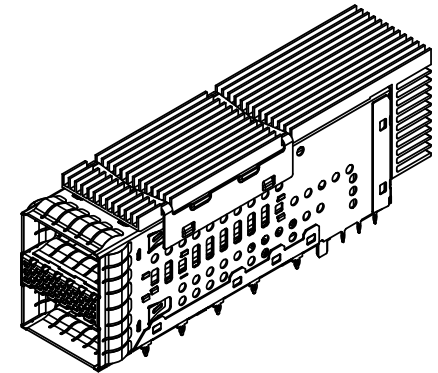
U95-R175-407L-LH1-1



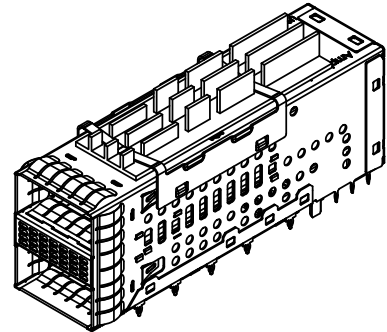
U95-R175-407L-LH1-2



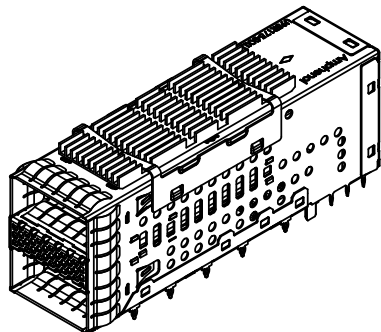
U95-R175-407L-LC1-C
U95-R175-407L-LC1-H



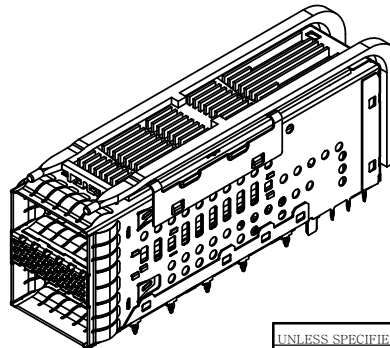
U95-R175-407L-LH1-J



U95-R175-407L-LC1-F
U95-R175-407L-LC1-G



U95-R175-407L-LH1-B



U95-R175-40HL-LH1-B

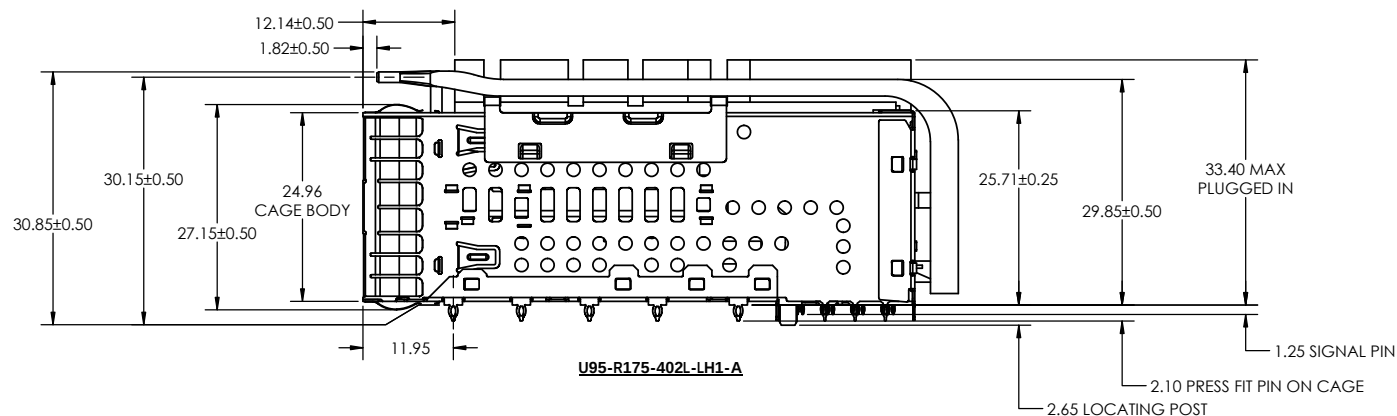
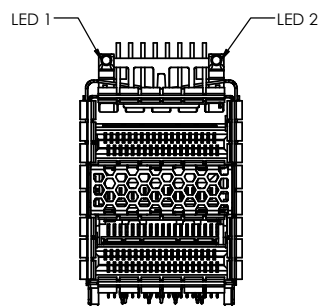
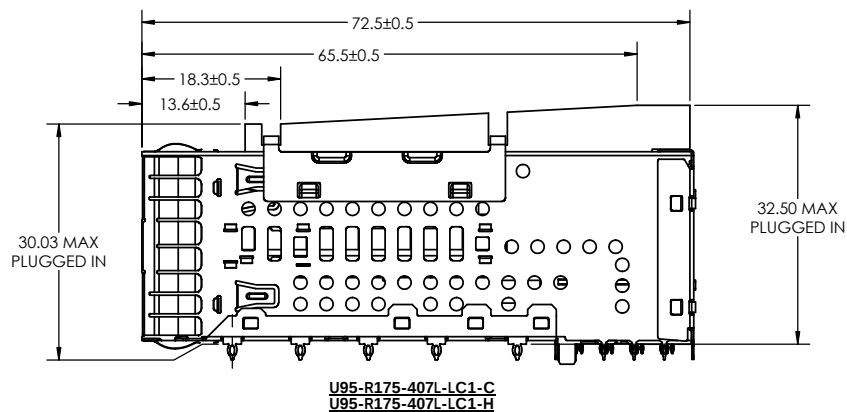
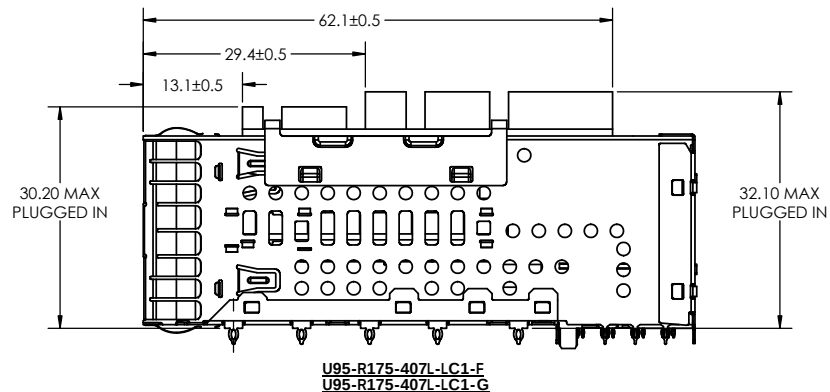
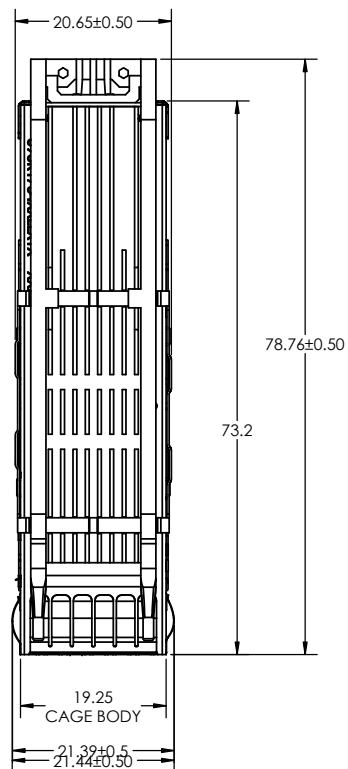
NOTES:

- 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 ON CONFIGURATION
HEAT SINK: ALUMINIUM ALLOY, NICKEL PLATING OR OTHERWISE SEPEIFIED.
LIGHT PIPE: GE LEXAN, OPTICAL GRADE
EMI FINGERS: PHOSPHOR BRONZE WITH NICKEL PLATING
DUST COVER (IF ORDERED) SHIPPED LOOSE



UNLESS SPECIFIED OTHERWISE	DRAWN	Eric.Z	JUL 05/18
PRIMARY UNITS MILLIMETERS	CHECKED	Chigow.X	JUL 05/18
SECONDARY MILLIMETERS	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APP'D	Jason.S	JUL 05/18
1 DECIMAL PLACE ±0.25	ENG. REL. NO.		
2 DECIMAL PLACES ±0.15	REF.		
ANGULAR DEGREES ±0.5°	THIRD ANGLE PROJECTION		

Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com		
ExtremePort QSFP+ 2X1, THRU THERMAL ENHANCE (WITH MIDDLE HEAT SINK) WITH OPTIONAL LIGHT PIPE ON TOP WITH OPTIONAL HEAT SINK ON TOP		
DWG. NO.	P-U95-R175-4XXL-LX1-X	
CODE ID NO.	03554	DWG SIZE: C
SCALE: 1:1	SHEET 1 of 6	



PART NUMBER	HEAT SINK HEIGHT (PLUGGED IN)
U95-R175-4XXL-LX1-A	33.4mm MAX.
U95-R175-4XXL-LX1-C	32.5mm MAX.
U95-R175-4XXL-LX1-F	32.1mm MAX.
U95-R175-4XXL-LX1-G	32.1mm MAX.
U95-R175-4XXL-LX1-H	32.5mm MAX.

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UNLESS SPECIFIED OTHERWISE		DRAWN	Eric.Z	JUL 05/18
PRIMARY UNITS MILLIMETERS		CHECKED	Chigow.X	JUL 05/18
SECONDARY MILLIMETERS		M.E. APP'D		
REFERENCE IN PARENTHESES		M.A. APP'D		
GENERAL TOLERANCES		DWG APP'D Jason.S JUL 05/18		
1 DECIMAL PLACE	± 0.25	ENG. REL. NO.		
2 DECIMAL PLACES	± 0.15	REF.		
ANGULAR DEGREES	$\pm 0.5^\circ$	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING

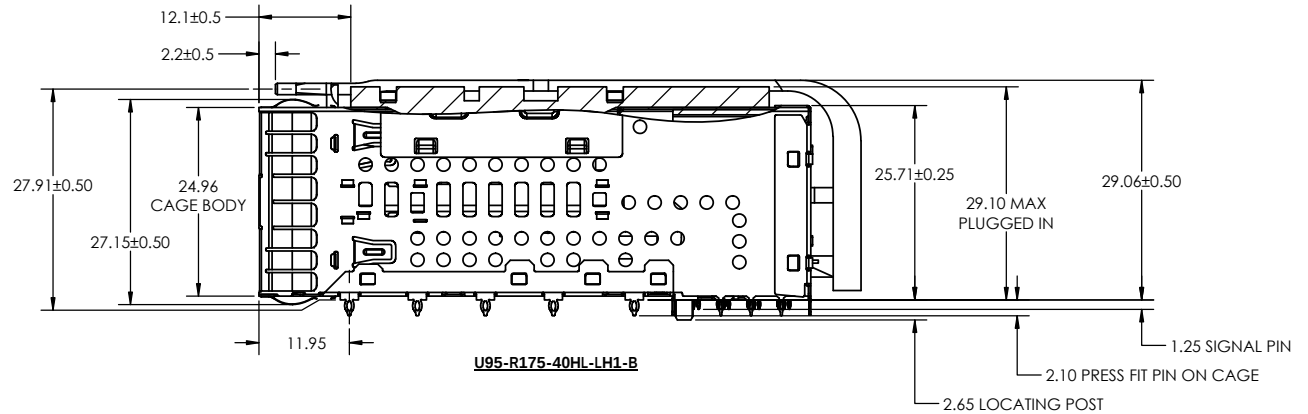
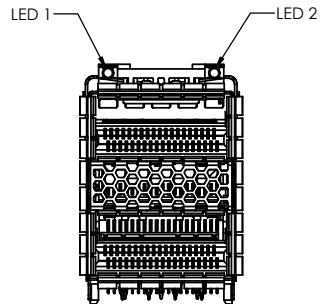
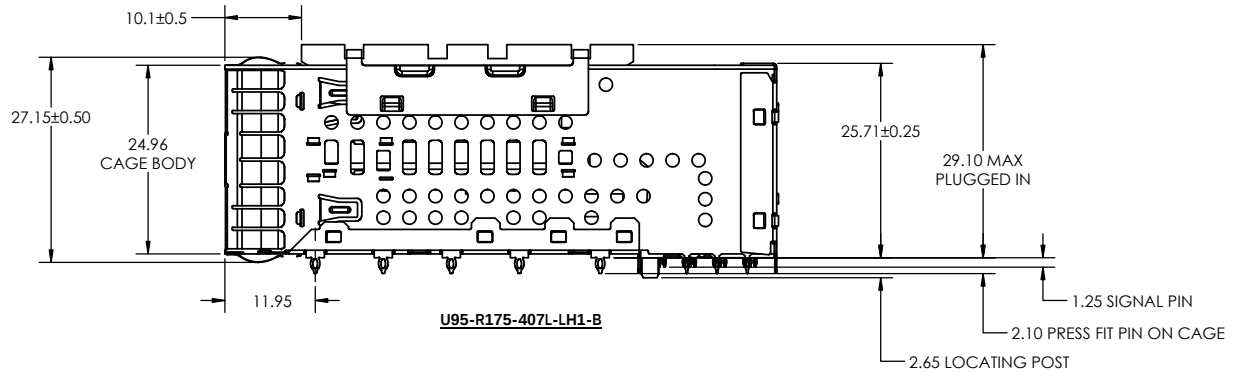
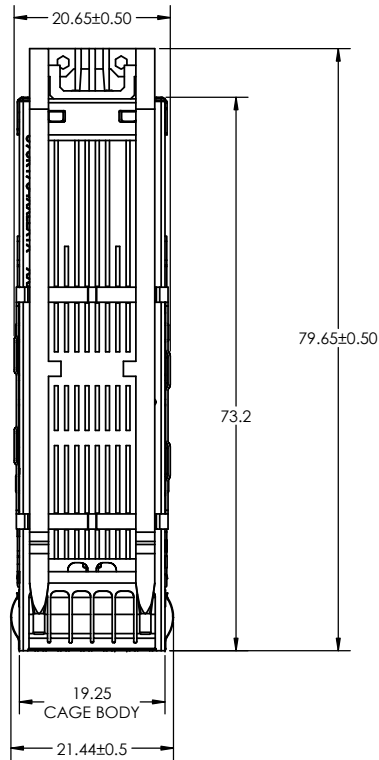
Amphenol High Speed Interconnects
A Division of Amphenol Corp. www.amphenol-highspeed.com

ExtremePort QSFP+ 2X1, THRU
THERMAL ENHANCE (WITH MIDDLE HEAT SINK)
WITH OPTIONAL LIGHT PIPE ON TOP
WITH OPTIONAL HEAT SINK ON TOP

P-U95-R175-4XXL-LX1-X

DWG. NO.	P-U95-R175-4XXL-LX1-X				R
CODE ID NO.	03554	DWG SIZE: C	SCALE: 1:1	SHEET 2 OF 6	

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPR
-	SEE SHEET 1	-	JS



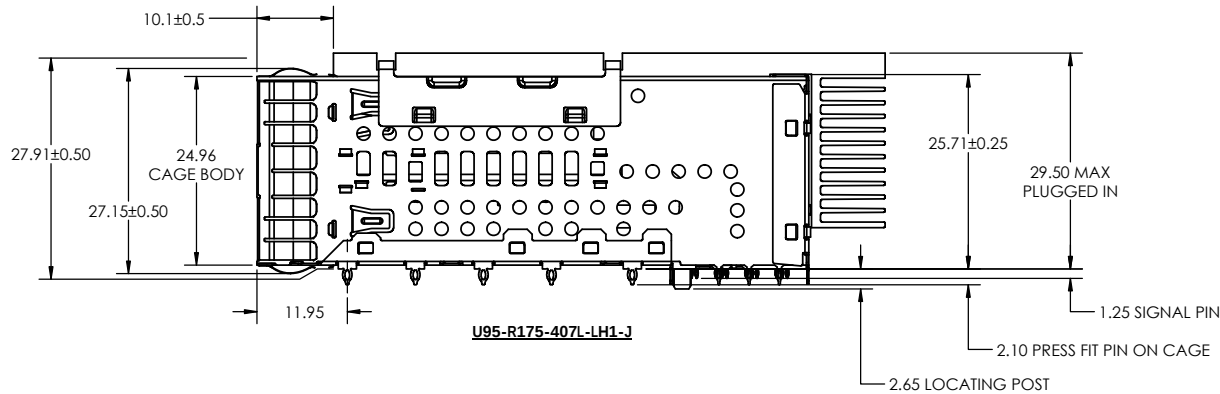
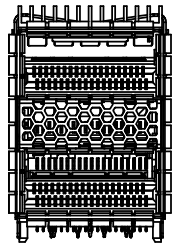
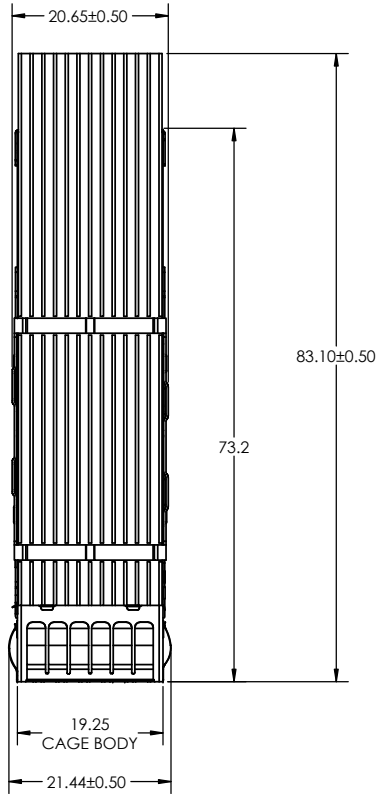
PART NUMBER	HEAT SINK HEIGHT (PLUGGED IN)
U95-R175-4XXL-LX1-B	29.1mm MAX.

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UNLESS SPECIFIED OTHERWISE	DRAWN	Eric.Z	JUL 05/18
PRIMARY UNITS MILLIMETERS	CHECKED	Chigow.X	JUL 05/18
SECONDARY MILLIMETERS	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APP'D	Jason.S	JUL 05/18
1 DECIMAL PLACE ±0.25	ENG. REL. NO.		
2 DECIMAL PLACES ±0.15	REF.		
ANGULAR DEGREES ±0.5°	THIRD ANGLE PROJECTION		

Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com			
ExtremePort QSFP+ 2X1, THRU THERMAL ENHANCE (WITH MIDDLE HEAT SINK) WITH OPTIONAL LIGHT PIPE ON TOP WITH OPTIONAL HEAT SINK ON TOP			
DWG. NO.	P-U95-R175-4XXL-LX1-X		REV L
CODE ID NO.	03554	DWG SIZE: C	SCALE: 1:1 SHEET 3 OF 6

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPT
-	SEE SHEET 1	-	JS



U95-R175-407L-LH1-J

PART NUMBER	HEAT SINK HEIGHT (PLUGGED IN)
U95-R175-4XXL-LX1-J	29.5mm MAX.

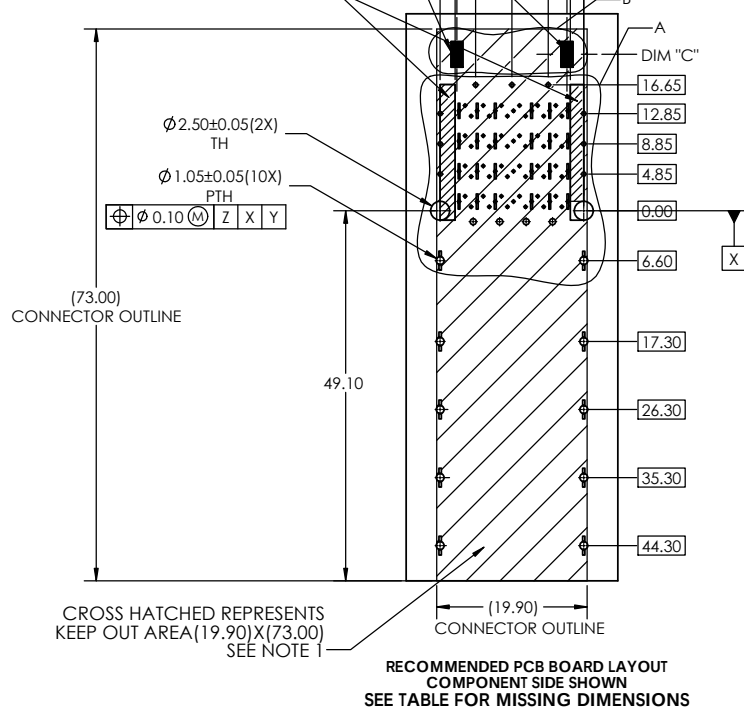
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GENERAL TOLERANCES	DWG APP'D	Jason.S	JUL 05/18
1 DECIMAL PLACE ±0.25	ENG. REL. NO.		
2 DECIMAL PLACES ±0.15	REF.		
ANGULAR DEGREES ±0.5°	THIRD ANGLE PROJECTION		

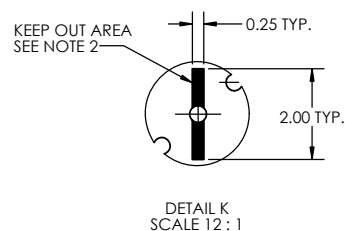
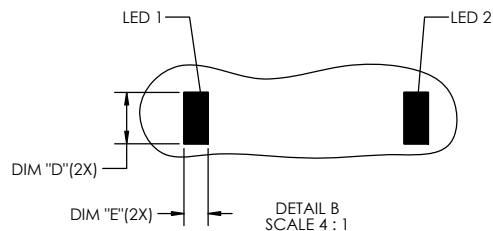
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ExtremePort QSFP+ 2X1, THRU THERMAL ENHANCE (WITH MIDDLE HEAT SINK) WITH OPTIONAL LIGHT PIPE ON TOP WITH OPTIONAL HEAT SINK ON TOP			
DWG. NO. P-U95-R175-4XXL-LX1-X			REV L
CODE ID NO. 03554	DWG SIZE: C	SCALE: 1:1	SHEET 4 OF 6

CROSS HATCHED REPRESENTS LED
SOLDER PAD SEATING AREA(2X)
SEE NOTE 3

CROSS HATCHED
REPRESENTS KEEP OUT AREA
SEE NOTE 2



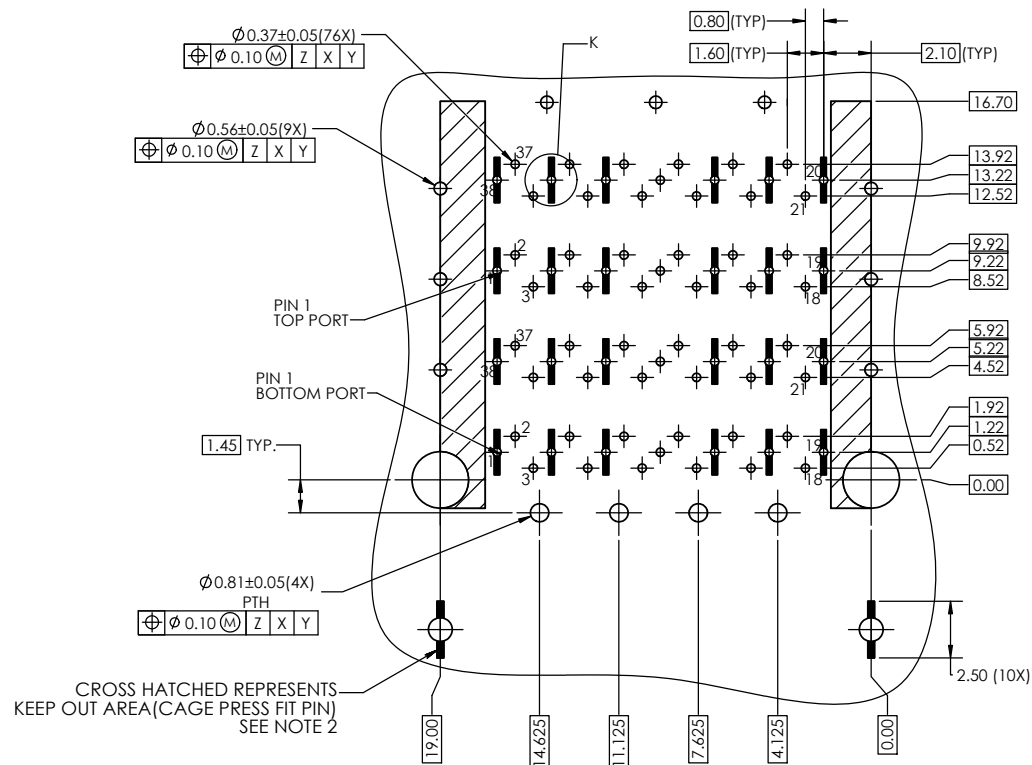
RECOMMENDED PCB BOARD LAYOUT
COMPONENT SIDE SHOWN
SEE TABLE FOR MISSING DIMENSIONS



- NOTES:
- THE ENTIRE AREA UNDER THE CONNECTOR IS COMPONENT, TRACE, VIA KEEP OUT AREA, EXCEPT GND TRACE AND GND VIA.
 - CROSS HATCHED REPRESENTS TRACE KEEP OUT AREA.
 - CROSS HATCHED REPRESENTS LED SOLDER PAD SEATING AREA, EXTENDING VERTICALLY 1.53mm MAX ABOVE THE TOP OF HOST PCB.

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1.57 MIN

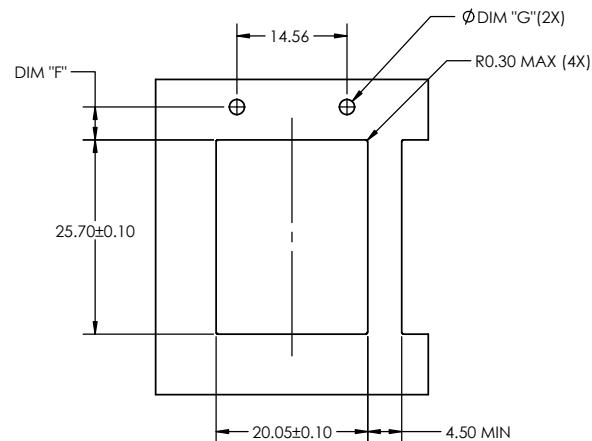


DETAIL A
SCALE 6 : 1

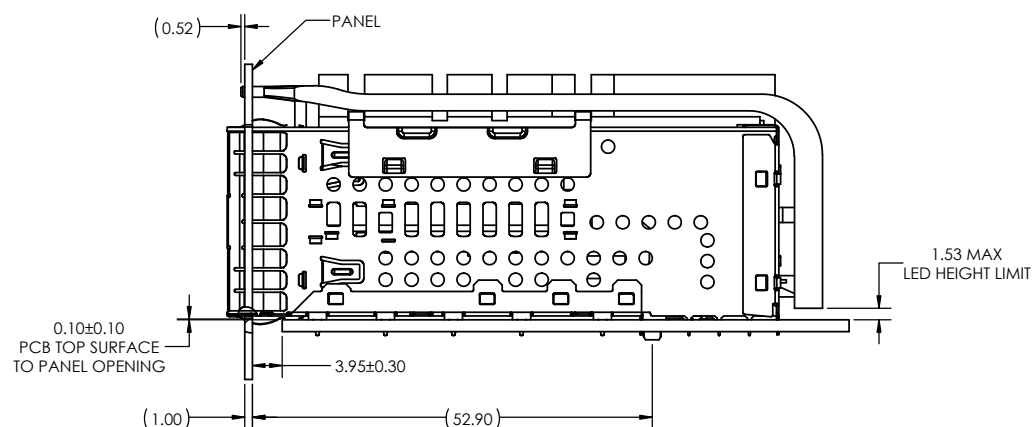
PART NUMBER	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
U95-R175-4X2L-LX1-X	16.78	2.22	20.69	3.40	1.60
U95-R175-4XHL-LX1-X	16.25	2.19	21.59	3.00	2.00
U95-R175-4X7L-LX1-X	N/A	N/A	N/A	N/A	N/A

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PRIMARY UNITS:MILLIMETERS		CHECKED	Chigow.X	JUL 05/18								
SECONDARY MILLIMETERS		M.E. APP'D										
REFERENCE IN PARENTHESES		Q.A. APP'D										
GENERAL TOLERANCES		DWG APP'D	Jason.S	JUL 05/18								
1 DECIMAL PLACE ±0.25		ENG. REL. NO.			DWG. NO.							
2 DECIMAL PLACES ±0.05		REF.										
ANGULAR DEGREES ±0.5°		THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING	P-U95-R175-4XXL-LX1-X		CODE ID NO.	03554	DWG. SIZE: C	SCALE: 2:1	SHEET 5 OF 6	REV L

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPR
-	SEE SHEET 1	-	JS



RECOMMENDED PANEL DESIGN
SEE TABLE FOR MISSING DIMENSIONS



PART NUMBER	DIM "F"	DIM "G"
U95-R175-4X2L-LX1-X	4.35	2.00
U95-R175-4XHL-LX1-X	2.11	2.50
U95-R175-4X7L-LX1-X	N/A	N/A

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2 DECIMAL PLACES ±0.10	REF.		
ANGULAR DEGREES ±0.5°	THIRD ANGLE PROJECTION		

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ExtremePort QSFP+ 2X1, THRU THERMAL ENHANCE (WITH MIDDLE HEAT SINK) WITH OPTIONAL LIGHT PIPE ON TOP WITH OPTIONAL HEAT SINK ON TOP			
DWG. NO.	P-U95-R175-4XXL-LX1-X		REV L
CODE ID NO.	03554	DWG SIZE: C	SCALE: 1:1 SHEET 6 OF 6