

U91 - D1XX - 1XX - XX

#### HEAT SINK OPTION

- 0 - NO HEAT SINK, NO CLIP, NO CAGE COVER
- 1 - NO HEAT SINK, NO CLIP, CAGE COVER ATTACHED
- 2 - SQUARE PIN STYLE HEAT SINK (BLACK OXIDE) WITH CLIP
- 3 - ROUND PIN STYLE HEAT SINK (BLACK OXIDE) WITH CLIP
- A - SQUARE PIN STYLE HEAT SINK (NICKEL PLATED) WITH CLIP
- D - ROUND PIN STYLE HEAT SINK (NICKEL PLATED) WITH CLIP
- G - SQUARE PIN STYLE HEAT SINK (CHROMATE PASSIVATION) WITH CLIP
- K - ROUND PIN STYLE HEAT SINK (CHROMATE PASSIVATION) WITH CLIP

#### KEYING OPTION

- 0 - NO KEY
- 1 - LEFT KEY (INFINIBAND)
- 2 - RIGHT KEY (ETHERNET)

#### OPTIONAL DUST COVER

- 0 - NO DUST COVER
- D - WITH DUST COVER (SHIPPED BULK IN SAME BOX WITH CAGE & CONNECTOR ASSEMBLY)

#### MOUNTING SCREWS

- 0 - NO MOUNTING SCREWS SHIPPED
- 1 - WITH MOUNTING SCREWS (M2x4 - 6mm LONG)  
SHIPPED BULK IN SAME TRAY WITH CAGE ASSEMBLIES

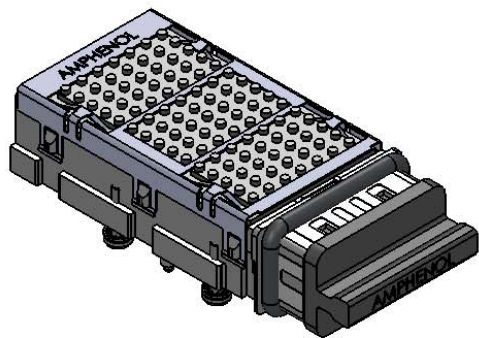
#### CONTACT PLATING

- 1 - MATING AREA PLATING: 0.76 µm GOLD OVER 2.54 µm OF NICKEL  
PRESS FIT TAIL AREA PLATING: 0.76 µm TIN LEAD OVER 2.54 µm OF NICKEL
- 2 - MATING AREA PLATING: 0.38 µm GOLD OVER 2.54 µm OF NICKEL  
PRESS FIT TAIL AREA PLATING: 0.76 µm TIN LEAD OVER 2.54 µm OF NICKEL
- 3 - MATING AREA PLATING: 0.76 µm GOLD OVER 1.27 µm TO 3.81 µm OF NICKEL  
PRESS FIT TAIL AREA PLATING: 0.381 µm TO 1.52 µm OF MATTE TIN OVER 1.27 µm TO 3.81µm OF NICKEL  
(RoHS COMPLIANT PER RoHS DIRECTIVE 2011/65/EU; OPTION 3 ONLY)

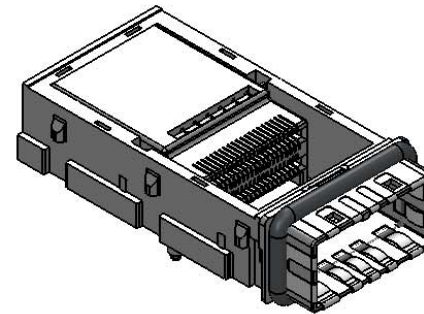
#### PACKAGING

- 1 - TRAY PACKAGING (CAGE & CONNECTOR ASSEMBLY IN SEPARATE TRAYS FROM HEAT SINKS AND CLIPS, IF ORDERED)
- A - TRAY PACKAGING (CAGE & CONNECTOR ASSEMBLY SHIPPED WITH HEAT SINK AND HEAT SINK CLIP ATTACHED)

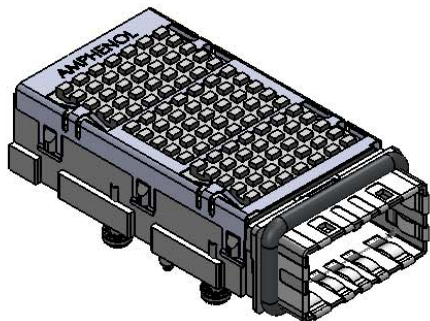
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	NEW RELEASE	JAN 21/11	ZLJ
B	3.75 ADDED	FEB 14/11	ZLJ
C	NEW CONTACT PLATING OPTION ADDED	JUL 04/11	ZLJ
D	HEAT SINK OPTION "0" ADDED	JAN 27/12	ZLJ
E	AHSI DESIGNATION ADDED	MAY 16/12	ZLJ
F	DIMENSION 9.3 CORRECTED	JUN 14/12	ZLJ
G	RoHS DIRECTIVE ADDED	DEC 3/12	ZLJ
H	BOT. VIEW ADDED FOR CONN. DETAIL	APR 8/13	ZLJ
J	PRESS FIT HOLE/BEZEL TOL. UPDATED	JUL 23/13	ZLJ
K	DIMENSIONS & TOLERANCES UPDATED	AUG 6/13	ZLJ
L	ADDED REAR CAGE STEP VIEW, SHEET 2	DEC 18/14	A.C



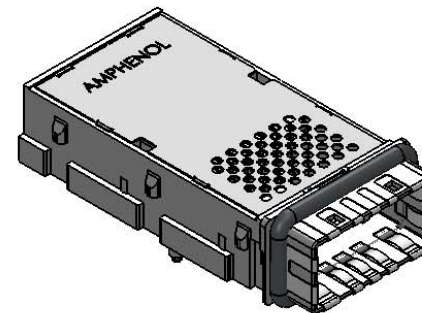
PART # **U91-D151-1D0A-11** SHOWN  
(CAGE & CONNECTOR ASSEMBLY WITH ROUND PIN HEAT SINK ATTACHED, SCREWS AND DUST COVER ARE SHIPPED BULK)



PART # **U91-D101-1001-10** SHOWN  
(CAGE & CONNECTOR ASSEMBLY WITH NO COVER, NO SCREWS SHIPPED)



PART # **U91-D121-100A-11** SHOWN  
(CAGE & CONNECTOR ASSEMBLY WITH SQUARE PIN HEAT SINK ATTACHED, SCREWS ARE SHIPPED BULK)



PART # **U91-D111-1001-10** SHOWN  
(CAGE & CONNECTOR ASSEMBLY NO HEAT SINK, NO SCREWS SHIPPED)

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES ARE:

DECIMALS ANGLES  
.X ±0.2 X° ±1°  
.XX ±0.1 X.X° ±0.5°



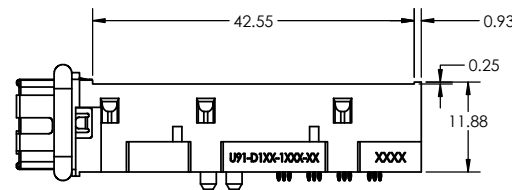
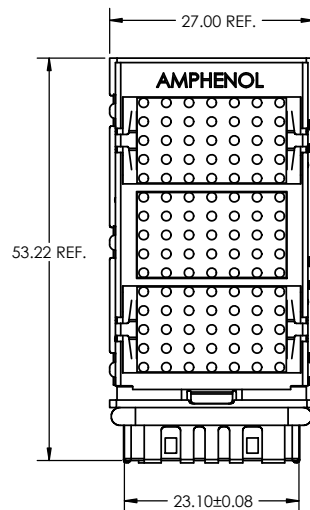
DO NOT SCALE DRAWING

APPROVAL	DATE
DRAWN: ZLJ	JAN 10/11
CHECKED: ZLJ	JAN 10/11
QA APPR.	
ME APPR.	
DWG APPR. A.G.	JAN 10/11
ENG. REL. NO.	
NSCM:	

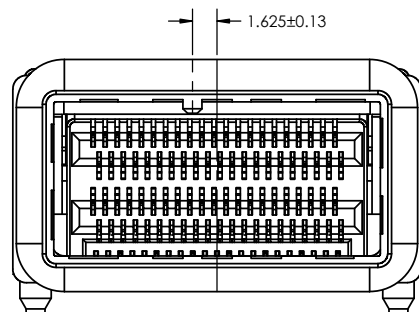
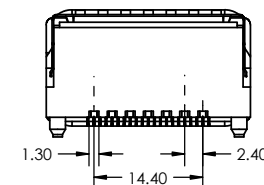
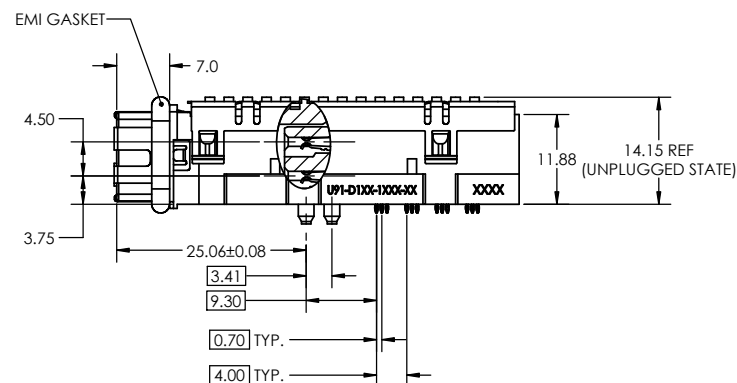
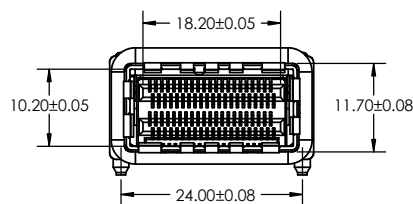
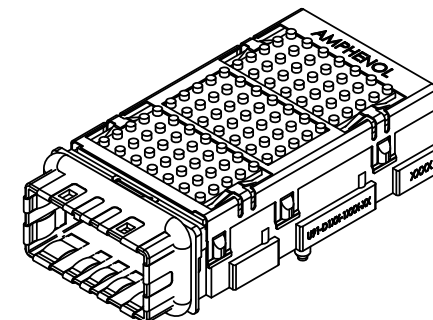
Amphenol High Speed Interconnects  
A Division of Amphenol Corp. [www.amphenol-highspeed.com](http://www.amphenol-highspeed.com)

CXP  
CAGE AND CONNECTOR  
ASSEMBLY  
(ENHANCED FOOTPRINT)

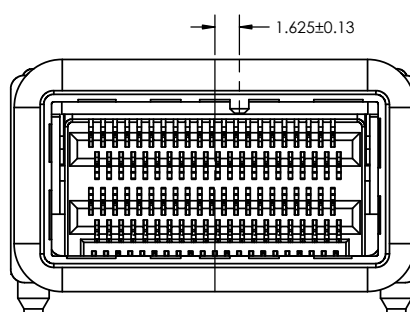
SIZE	DWG. NO.	REV
P-U91-D1XX-1XXX-XX	L	
SCALE: 1:1	PROJECT: CXP	SHEET 1 OF 4



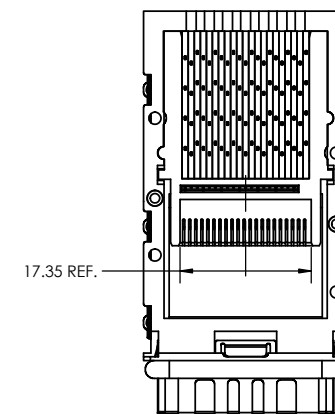
U91-D101-1001-10  
SHOWN IN THIS VIEW



U91-D1X1-1XXX-XX  
LEFT KEY SHOWN  
EMI SPRING FINGERS  
REMOVED FOR CLARITY



U91-D1X2-1XXX-XX  
RIGHT KEY SHOWN  
EMI SPRING FINGERS  
REMOVED FOR CLARITY

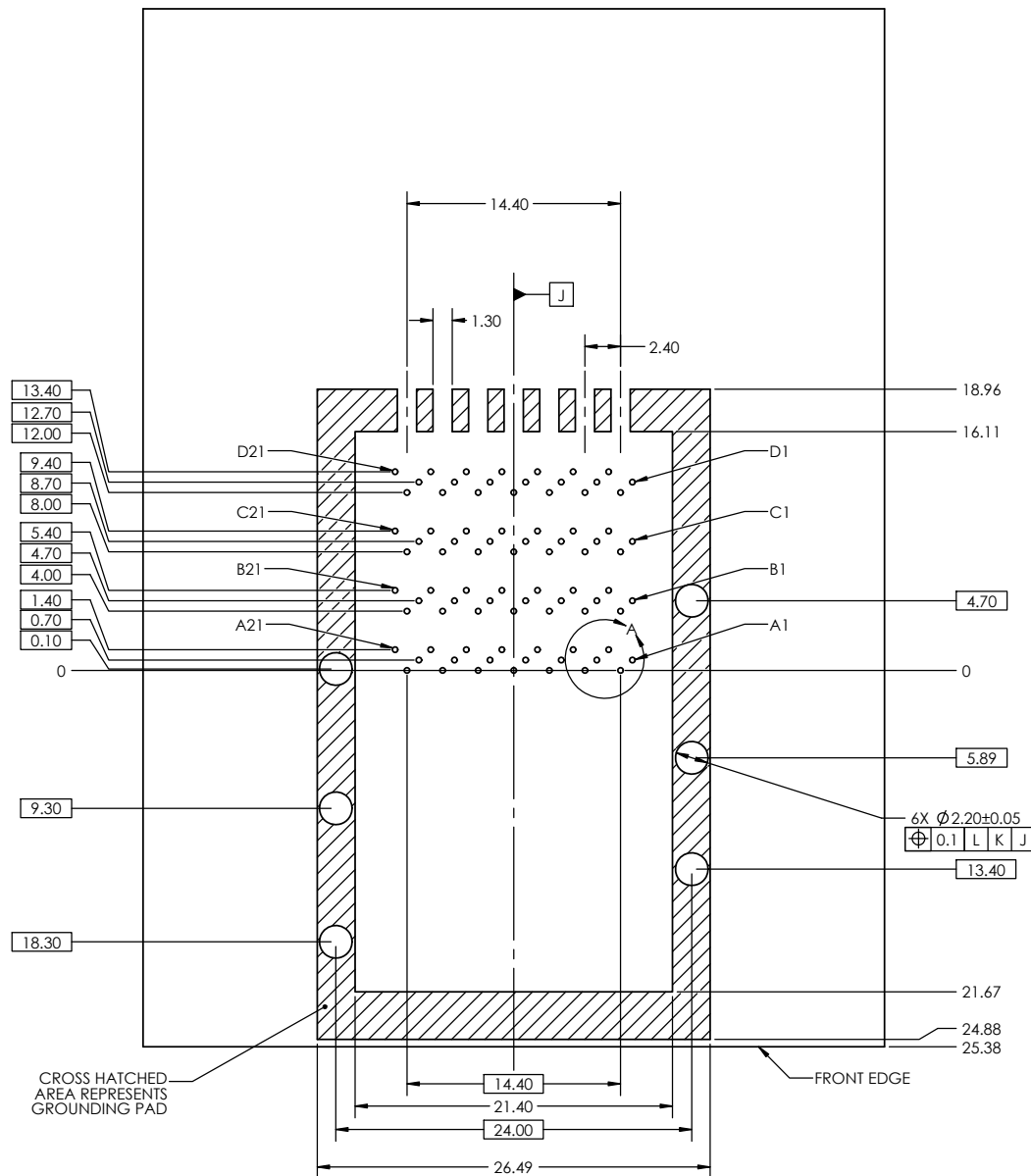


UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES ARE:

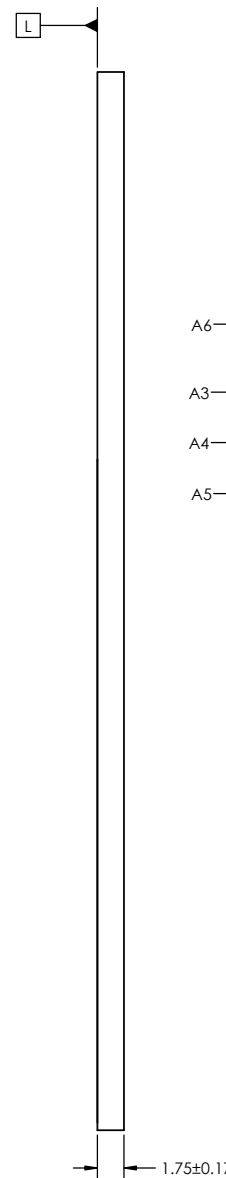
DECIMALS ANGLES  
.X ±0.2 X° ±1°  
.XX ±0.1 X.X° ±0.5°

APPROVAL	DATE
DRAWN: ZLJ	JAN 10/11
CHECKED: ZLJ	JAN 10/11
QA APPR.	
ME APPR.	
DWG APPR. A.G.	JAN 10/11
ENG. REL. NO.	
NSCM:	

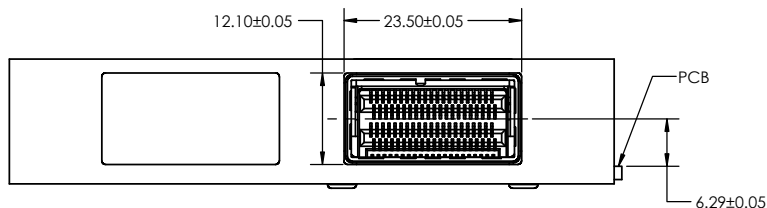
Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com			
CXP CAGE AND CONNECTOR ASSEMBLY (ENHANCED FOOTPRINT)			
SIZE	DWG. NO.	P-U91-D1XX-1XXX-XX	REV L
SCALE: 2:1	PROJECT: CXP	SHEET 2 OF 4	



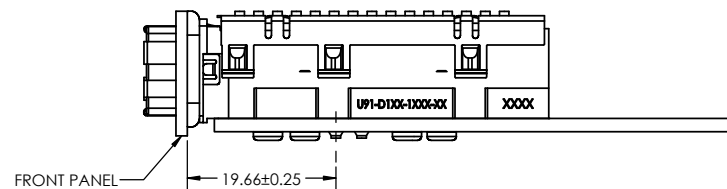
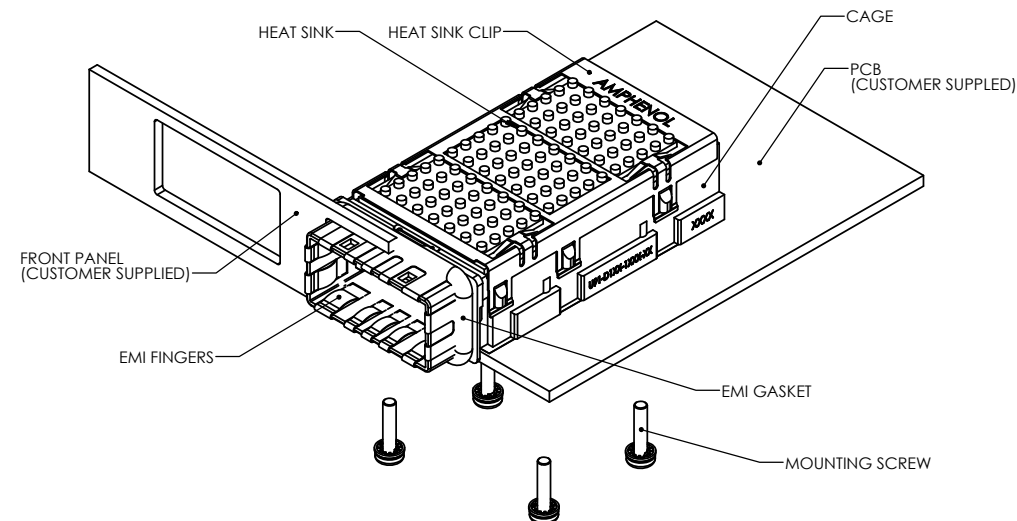
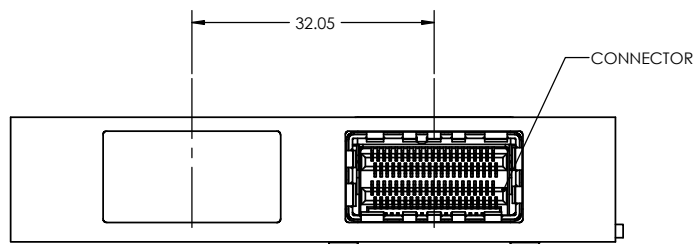
RECOMMENDED **SINGLE MOUNT**  
PCB LAYOUT  
COMPONENT SIDE SHOWN



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:	APPROVAL	DATE	Amphenol High Speed Interconnects A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>		
	DRAWN	ZLJ			
	CHECKED	ZLJ	CXP CAGE AND CONNECTOR ASSEMBLY (ENHANCED FOOTPRINT)		
	QA APPR.				
DECIMALS	ANGLES		SIZE	DWG. NO.	REV
.X ±0.2	X° ±1°			P-U91-D1XX-1XXX-XX	L
.XX ±0.1	X.X° ±0.5°		SCALE: 2:1	PROJECT: CXP	SHEET 3 OF 4
		ME APPR.			
		DWG APPR.			
		A.G.			
		ENG. REL. NO.			
		NSCM:			



RECOMMENDED PANEL CUTOUT  
FOR **SINGLE LEVEL** MOUNTING



NOTES:

- 1) MATERIAL
  - MAIN CAGE: ZINC DIE CAST SHELL WITH NICKEL PLATING
  - EMI GASKET: CONDUCTIVE ELASTOMER
  - HEAT SINK CLIP: STAINLESS STEEL
  - CAGE COVER: STAINLESS STEEL (OPTION WITH CAGE COVER ONLY SHOWN ON SHEET ONE)
  - HEAT SINK: ALUMINUM, FOR PLATING INFO. SEE SHEET ONE
  - EMI FINGERS: PHOSPHOR BRONZE WITH NICKEL PLATING
  - MOUNTING SCREWS: AISI 1010 STEEL
  - CONNECTOR HOUSING: LCP
  - CONTACTS: PHOSPHOR BRONZE, FOR PLATING INFO. SEE SHEET ONE
- 2) CONNECTOR AND CAGE ASSEMBLY IS RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVAL	DATE	<b>Amphenol High Speed Interconnects</b> A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>	
DECIMALS	ANGLES	DRAWN			
.X ±0.2	X° ±1°	CHECKED		<b>CXP CAGE AND CONNECTOR ASSEMBLY (ENHANCED FOOTPRINT)</b>	
.XX ±0.1	X.X° ±0.5°	QA APPR.			
		ME APPR.			
		DWG APPR.	A.G.	JAN 10/11	
		ENG. REL. NO.			
		NSCM:			
		SCALE: 2:1	PROJECT: CXP		SHEET 4 OF 4