

U92 - A2X0 - 1X0X - XX

HEAT SINK OPTION

- 1 - NO HEAT SINK, NO CLIP
- 2 - FIN STYLE HEAT SINK (BLACK OXIDE) WITH CLIP
- 3 - FIN STYLE HEAT SINK (NICKEL PLATED) WITH CLIP

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 M2 X 04 - 4.3 MM LONG SHIPPED BULK IN SAME TRAY WITH CAGE ASSEMBLIES

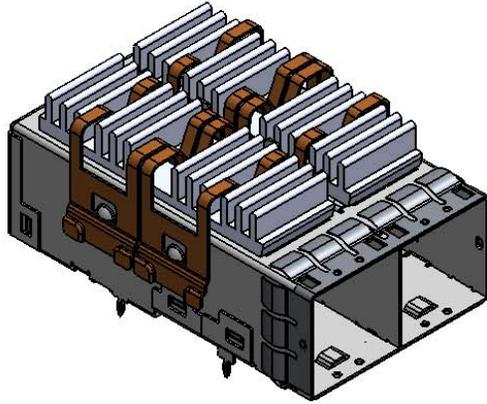
CONTACT PLATING

- 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

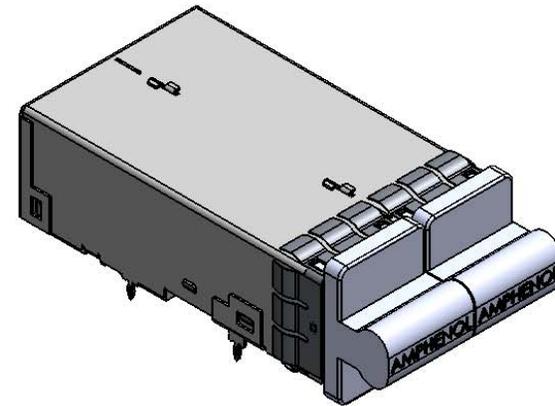
PACKAGING

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

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	PART # CORRECTED IN ISO VIEWS	OCT 20/10	
E	ADDED PACKAGING NOTE	OCT 27/10	
F	LEAD FREE PLATING OPTION ADDED	JUN 04/11	
G	NOTES ADDED AND VIEW UPDATE	SEP 15/11	
H	TOLERANCES ADDED TO PCB HOLES	OCT 20/11	
J	DRAWING TITLES REVISED	OCT 21/11	
K	HEIGHT, LENGTH & WIDTH ADDED	JAN 24/12	ZLJ
L	AHSI DESIGNATION ADDED	MAY 15/12	ZLJ



PART # **U92-A220-100A-10** SHOWN
(CAGE & CONNECTOR ASSEMBLY WITH NO SCREWS, NO DUST COVER, WITH FIN-STYLE HEAT SINK)

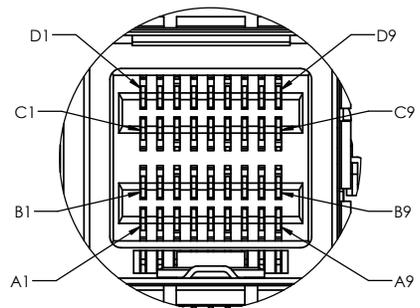


PART # **U92-A210-1D01-10** SHOWN
(CAGE & CONNECTOR ASSEMBLY WITH NO SCREWS AND NO HEAT SINK, WITH DUST COVER SHIPPED BULK)

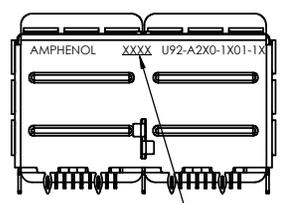
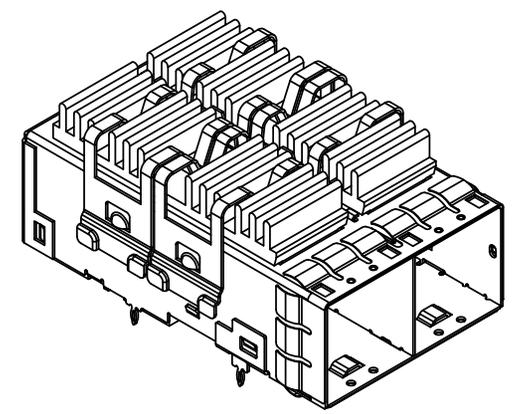
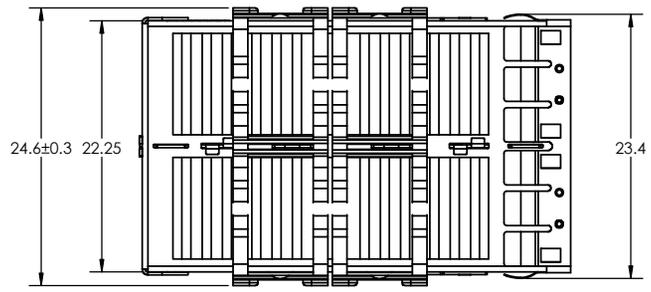


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVAL	DATE	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com 8X MINI SAS HD CAGE AND CONNECTOR 2 PORT ASSEMBLY WITH HEAT SINK OPTION	
DECIMALS	ANGLES	DRAWN K.SOBEL	APR 28/10		
.X ±0.2	X° ±1°	CHECKED ZLJ	FEB 09/10	SIZE DWG. NO. P-U92-A2X0-1X0X-XX REV L	
.XX ±0.1	X.X° ±0.5°	QA APPR.			
		ME APPR.			
		DWG APPR. A.G.	FEB 09/10	SCALE: 1:1 PROJECT: HD SHEET 1 OF 4	
DO NOT SCALE DRAWING		ENG. REL. NO.			
		NSCM:			

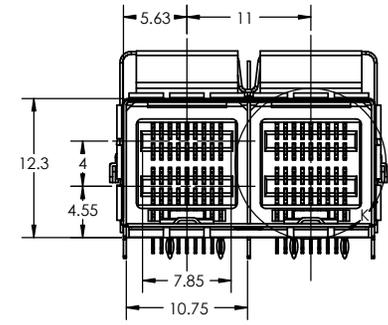
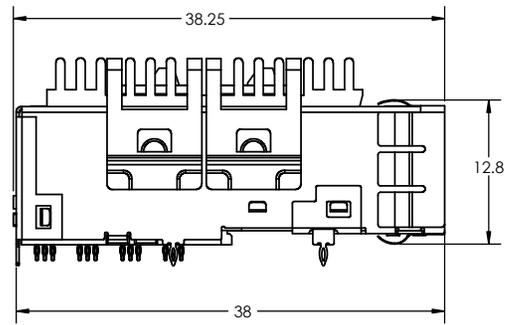
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
L	SEE SHEET ONE	MAY 15/12	ZLJ



DETAIL K
SCALE 6 : 1



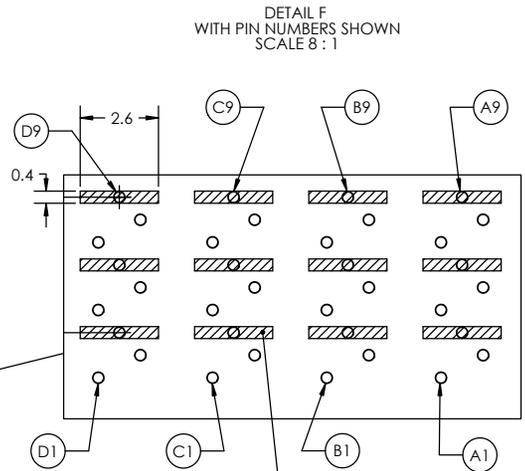
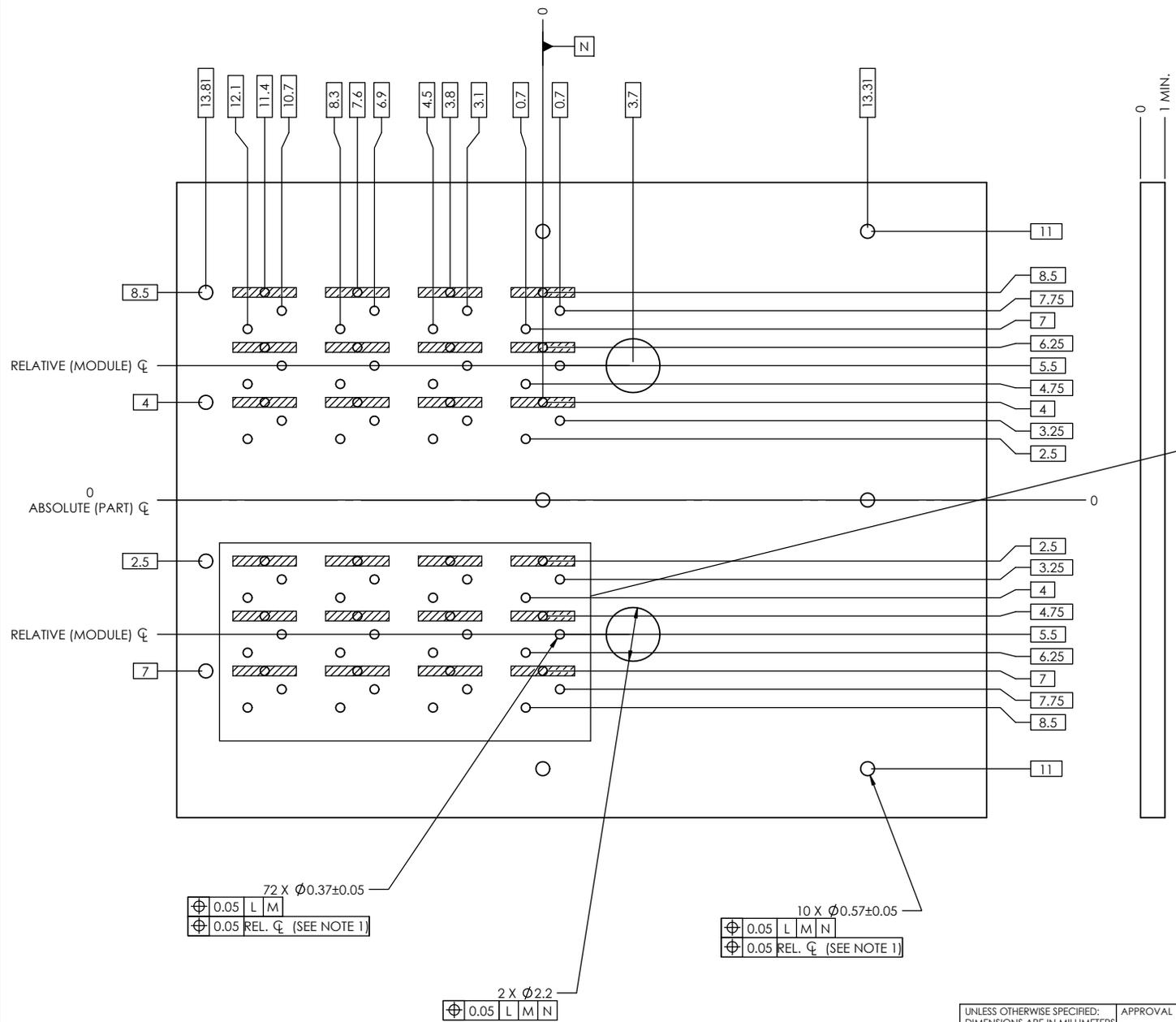
INK MARKING INFO:
FOUR (4) DIGIT DATE CODE AND PART NUMBER



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DECIMALS	ANGLES	DRAWN K.SOBEL	APR 28/10
.X ±0.2	X° ±1°	CHECKED ZLJ	FEB 09/10
.XX ±0.1	X.X° ±0.5°	QA APPR.	
		ME APPR.	
		DWG APPR. A.G.	FEB 09/10
		ENG. REL. NO.	
		NSCM:	

Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com			
8X MINI SAS HD CAGE AND CONNECTOR 2 PORT ASSEMBLY WITH HEAT SINK OPTION			
SIZE	DWG. NO.	P-U92-A2X0-1X0X-XX	REV L
SCALE: 2:1	PROJECT: HD	SHEET 2 OF 4	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
L	SEE SHEET ONE	MAY 15/12	ZLJ



- NOTES:
1. ALL HOLES MUST FALL WITHIN POSITIONAL TOLERANCES RELATIVE TO INDIVIDUAL CONNECTOR ASSEMBLY AS WELL AS COMPLETED CAGE ASSEMBLY.
 2. DATUM M AND N ESTABLISHED BY CUSTOMER'S FUDICIAL.
 3. ALL HOLE DIMENSIONS DENOTE FINISHED HOLE SIZES.



72 X $\phi 0.37 \pm 0.05$			
$\phi 0.05$	L	M	
$\phi 0.05$	REL. ϕ (SEE NOTE 1)		

10 X $\phi 0.57 \pm 0.05$			
$\phi 0.05$	L	M	N
$\phi 0.05$	REL. ϕ (SEE NOTE 1)		

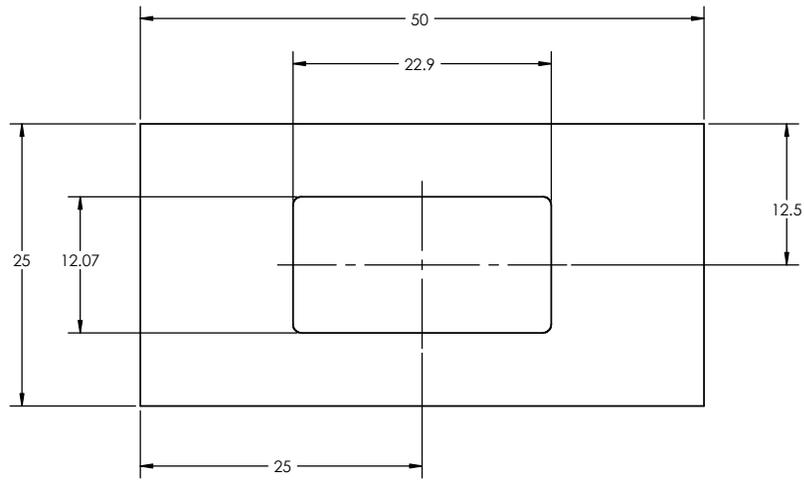
2 X $\phi 2.2$			
$\phi 0.05$	L	M	N

RECOMMENDED 2 PORT MOUNT
PCB LAYOUT
COMPONENT SIDE SHOWN

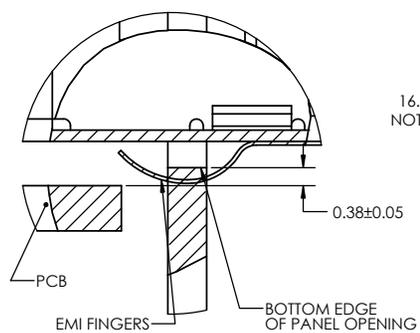
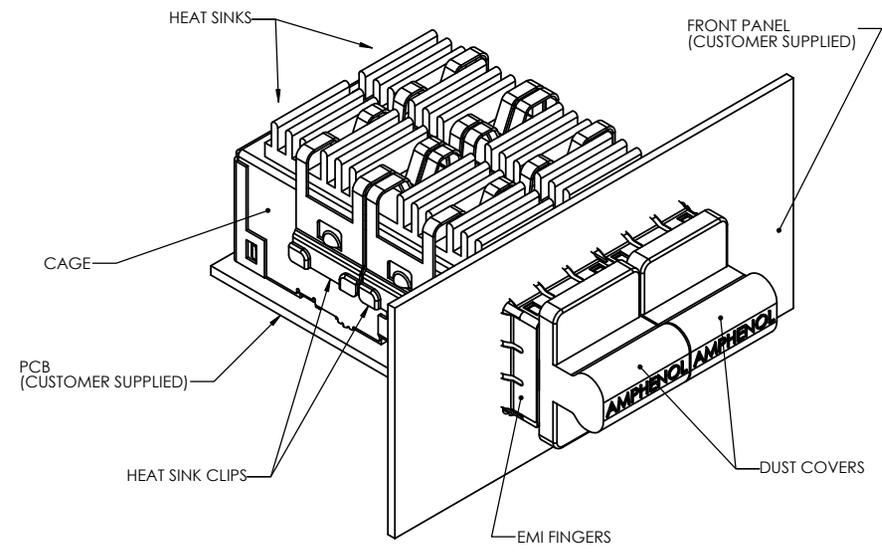
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DRAWN	K.SOBEL		APR 28/10
CHECKED	ZLJ		FEB 09/10
QA APPR.			
ME APPR.			
DWG APPR.	A.G.		FEB 09/10
 DO NOT SCALE DRAWING		ENG. REL. NO.	
		NSCM:	

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SIZE	DWG. NO.	P-U92-A2X0-1X0X-XX	REV L
SCALE: 2:1	PROJECT: HD	SHEET 3 OF 4	

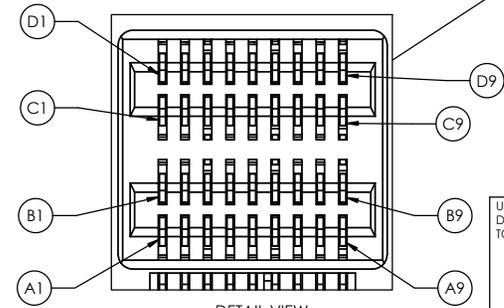
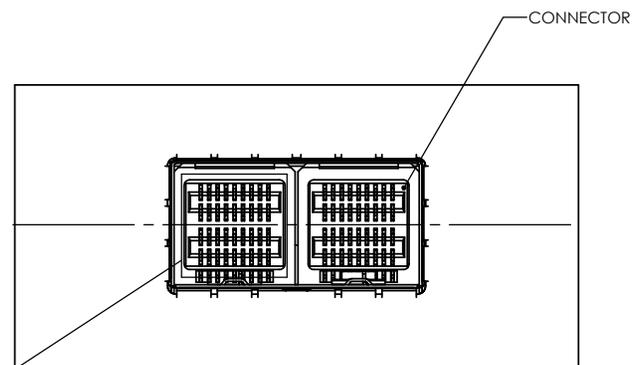
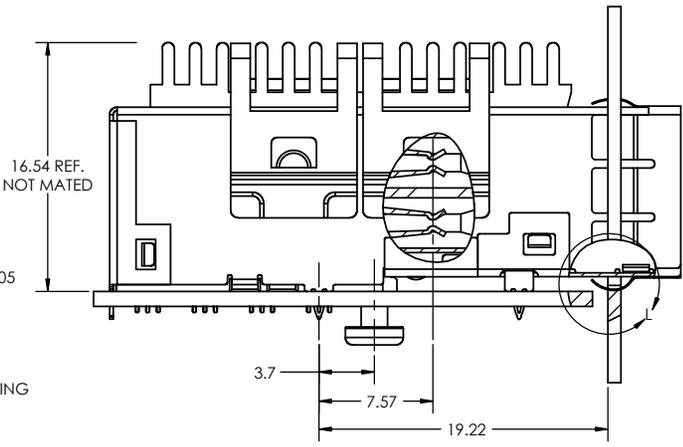
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
L	SEE SHEET ONE	MAY 15/12	ZLJ



RECOMMENDED PANEL CUTOUT FOR **SINGLE LEVEL** MOUNTING



DETAIL L
SCALE 12 : 1



DETAIL VIEW
WITH PIN NUMBERS SHOWN
SCALE 8 : 1

- NOTES:
- MATERIAL
 - MAIN CAGE: PHOSPHOR BRONZE WITH NICKEL PLATING
 - MOUNTING SCREW: AISI 1010 STEEL
 - CONNECTOR HOUSING: LCP
 - CONTACTS: PHOSPHOR BRONZE, FOR PLATING INFO. SEE SHEET ONE
 - LIGHT PIPE: GE LEXAN, OPTICAL GRADE
 - HEAT SINK: ALUMINIUM
 - CONNECTOR AND CAGE ASSEMBLY ARE RoHS COMPLIANT



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		DWG APPR.	A.G.
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SIZE	DWG. NO.	P-U92-A2X0-1X0X-XX	REV L
SCALE: 1:1	PROJECT: HD	SHEET 4 OF 4	