

U92 - A410 - 1X01 - XX

**OPTIONAL DUST COVER**

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

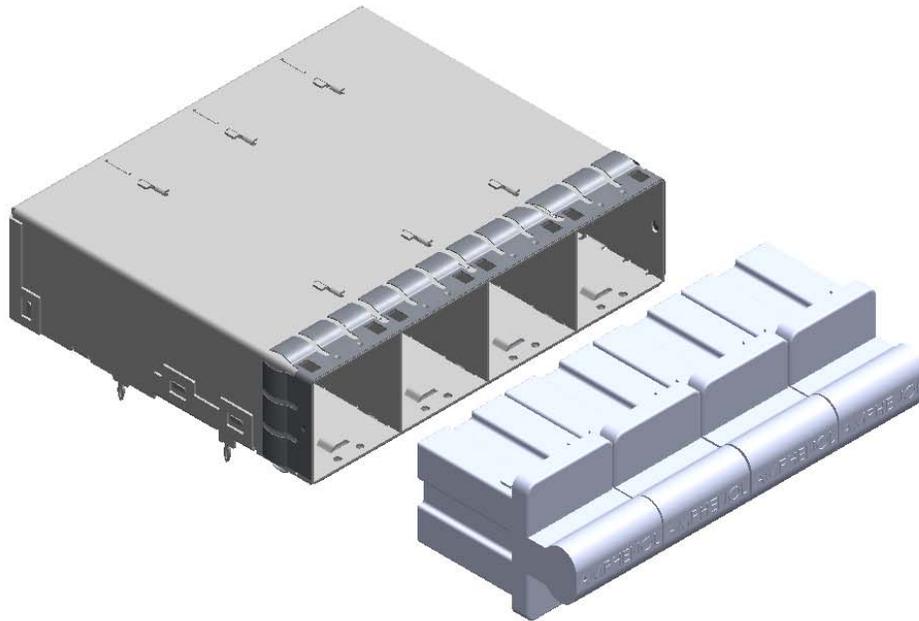
**MOUNTING SCREWS**

- 0 - NO MOUNTING SCREWS SHIPPED
- 1 - WITH MOUNTING SCREWS M2 X 04 - 4.3 MM LONG SHIPPED BULK IN SAME TRAY WITH CAGE ASSEMBLIES

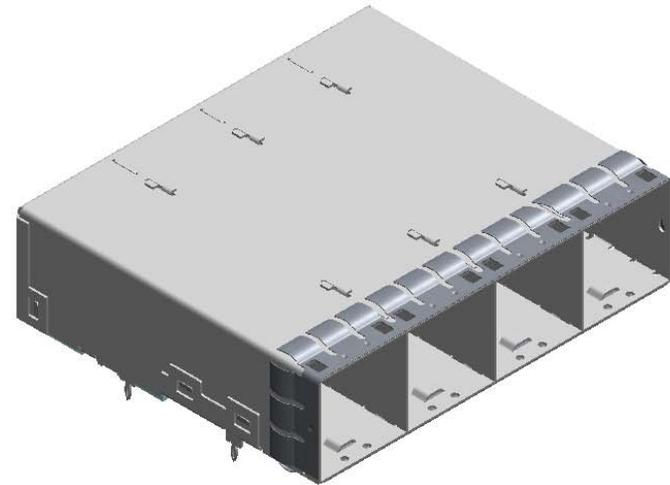
**CONTACT PLATING**

- 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

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	SCREW LENGTH REMOVED	MAR 19/10	ZLJ
D	MODIFIED DIMENSION	SEPT 20/10	ZLJ
E	UPDATED DRAWING NUMBER	OCT 28/10	ZLJ
F	LEAD FREE CONTACT PLATING OPTION ADDED	JUL 04/11	ZLJ
G	23X 0.57 HOLE CHANGED TO 18X	JUL 29/11	ADRIAN G
H	NOTES ADDED AND VIEWS UPDATED	SEP 15/11	
J	TOLERANCES ADDED TO PCB HOLES	OCT 20/11	
K	DRAWING TITLES REVISED	OCT 21/11	
L	AHSI DESIGNATION ADDED	MAY 15/12	ZLJ



PART # **U92-A410-1D01-10** SHOWN  
(CAGE & CONNECTOR ASSEMBLY WITH NO SCREWS AND DUST COVER SHIPPED BULK)

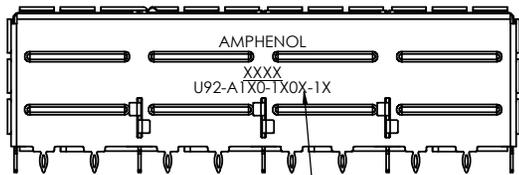
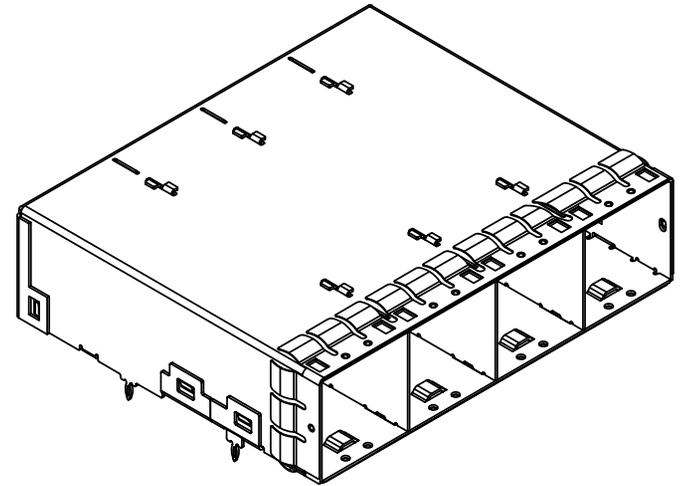
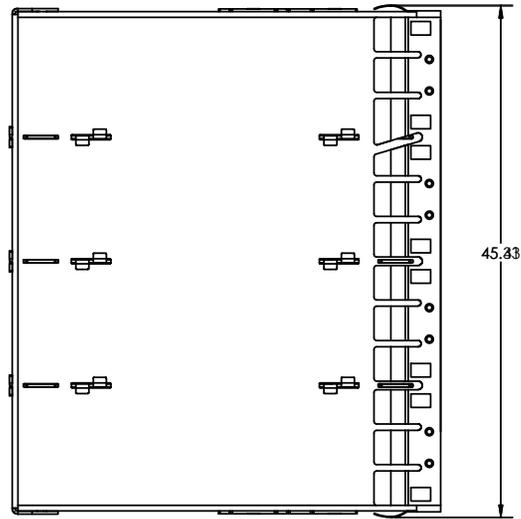


PART # **U92-A410-1001-10** SHOWN  
(CAGE & CONNECTOR ASSEMBLY WITH NO SCREWS AND NO DUST COVER SHIPPED)

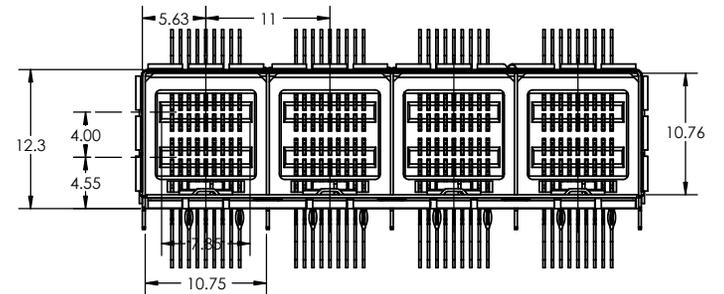
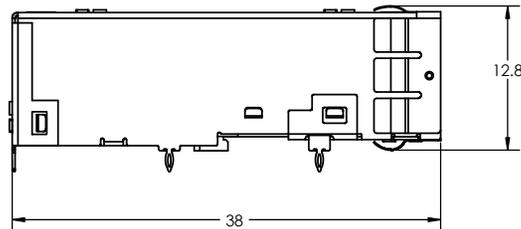


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVAL	DATE	<b>Amphenol High Speed Interconnects</b> A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>  <b>16X MINI SAS HD CAGE AND CONNECTOR 4 PORT ASSEMBLY</b>
DECIMALS	ANGLES	DRAWN	FEB 09/10	
.X ±0.2	X° ±1°	CHECKED	FEB 09/10	
.XX ±0.1	X.X° ±0.5°	QA APPR.		
		ME APPR.		
		DWG APPR.	FEB 09/10	
 DO NOT SCALE DRAWING		ENG. REL. NO.	SIZE	DWG. NO.
		NSCM:	SCALE: 1:1	P-U92-A410-1X01-XX
			PROJECT: HD	REV L
				SHEET 1 OF 4

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

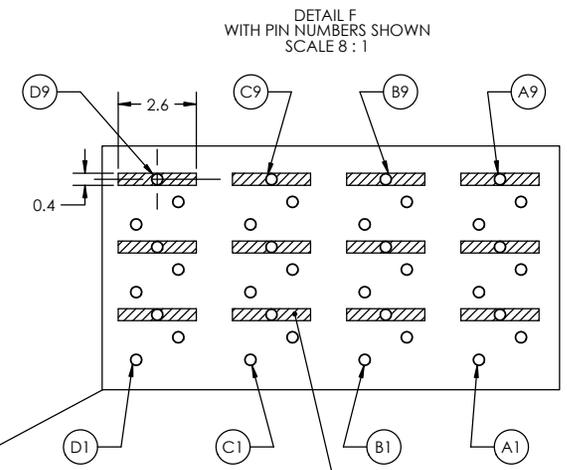
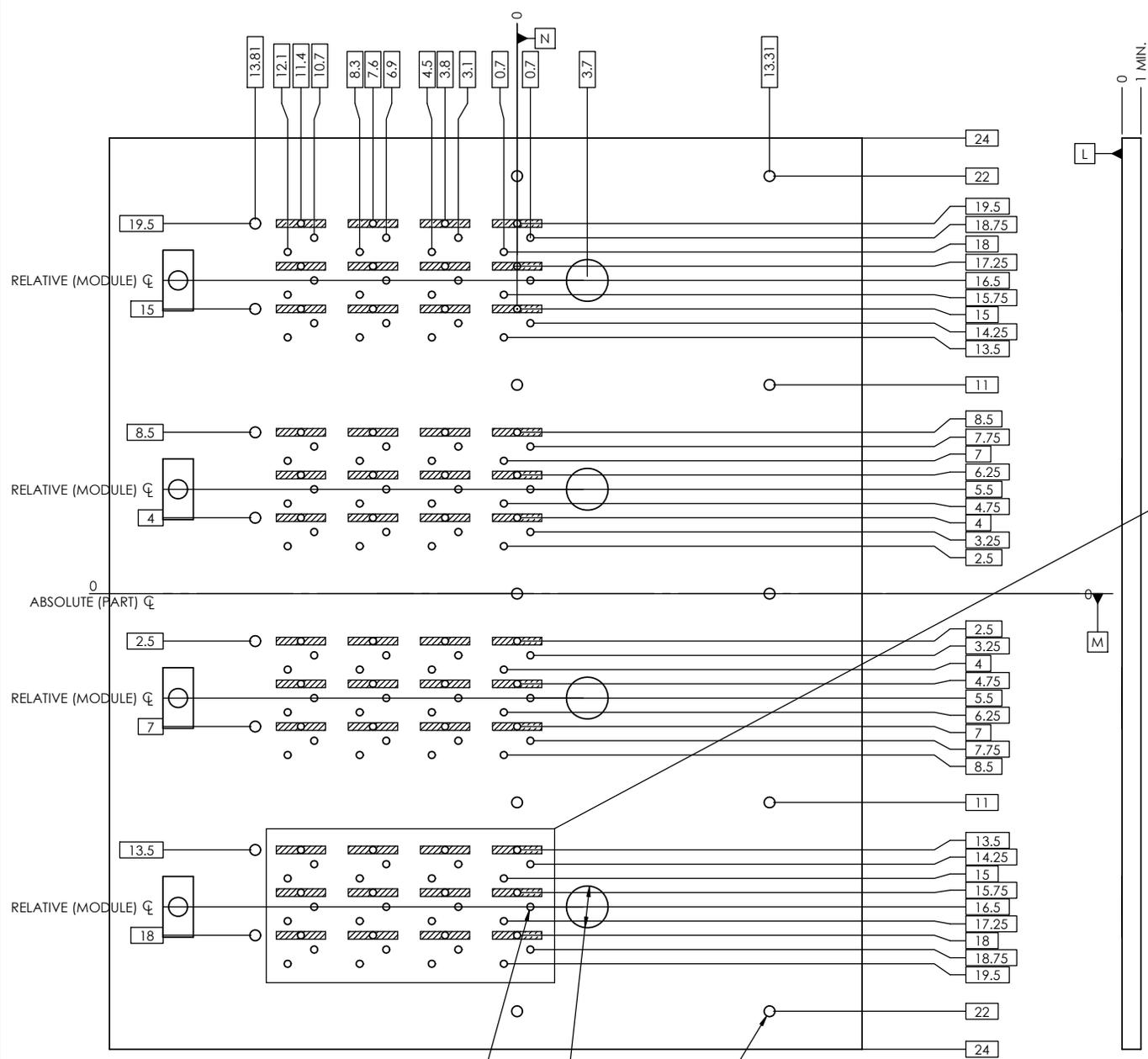


INK MARKING INFO:  
FOUR (4) DIGIT DATE CODE AND PART NUMBER



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DECIMALS	ANGLES	DRAWN	CHECKED				
.X ±0.2	X° ±1°	K.SOBEL	ZLJ	FEB 09/10	FEB 09/10	<b>16X MINI SAS HD CAGE AND CONNECTOR 4 PORT ASSEMBLY</b>	
.XX ±0.1	X.X° ±0.5°	ME APPR.	DWG APPR.				
		A.G.		FEB 09/10			
		ENG. REL. NO.		SIZE	DWG. NO.	P-U92-A410-1X01-XX	
DO NOT SCALE DRAWING		NSCM:		SCALE: 2:1		PROJECT: HD	
						REV L SHEET 2 OF 4	

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



CROSS-HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT

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.



144 X  $\phi 0.37 \pm 0.05$   
 $\oplus 0.05$  L | M  
 $\oplus 0.05$  REL. C (SEE NOTE 1)

4 X  $\phi 2.2$   
 $\oplus 0.05$  L | M | N

18 X  $\phi 0.57 \pm 0.05$   
 $\oplus 0.05$  L | M | N  
 $\oplus 0.05$  REL. C (SEE NOTE 1)

RECOMMENDED 4 PORT MOUNT  
 PCB LAYOUT  
 COMPONENT SIDE SHOWN

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN MILLIMETERS  
 TOLERANCES ARE:

DECIMALS	ANGLES
.X $\pm 0.2$	X° $\pm 1^\circ$
.XX $\pm 0.1$	X.X° $\pm 0.5^\circ$

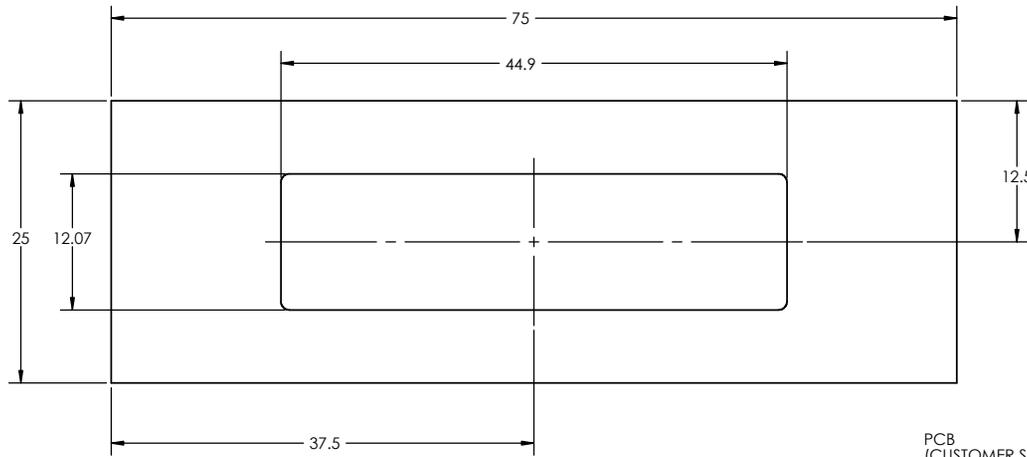
APPROVAL	DATE
DRAWN: K.SOBEL	FEB 09/10
CHECKED: ZLJ	FEB 09/10
QA APPR:	
ME APPR:	
DWG APPR: A.G.	FEB 09/10
ENG. REL. NO.	
NSCM:	

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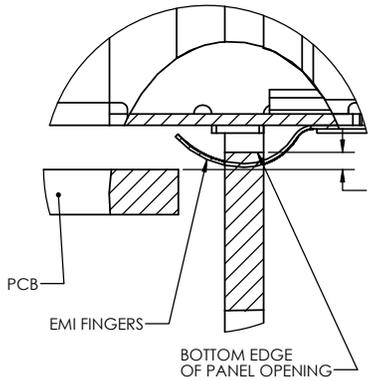
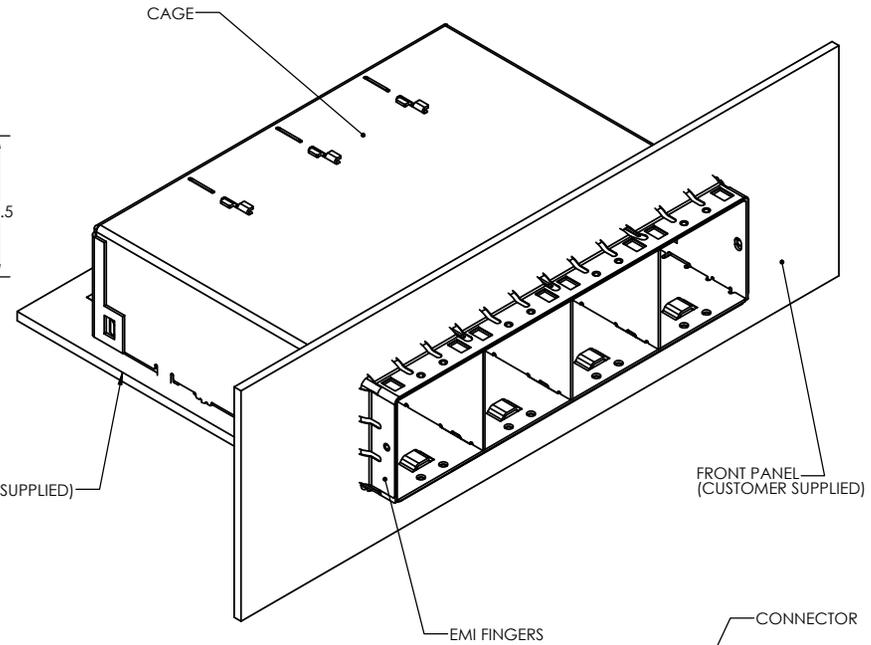
**16X MINI SAS HD  
 CAGE AND CONNECTOR  
 4 PORT ASSEMBLY**

SIZE	DWG. NO.	REV
	P-U92-A410-1X01-XX	L
SCALE: 2:1	PROJECT: HD	SHEET 3 OF 4

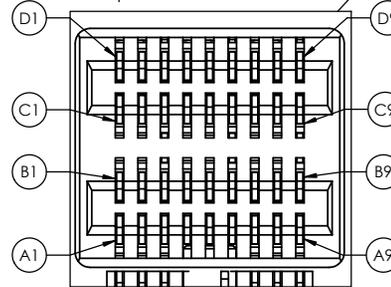
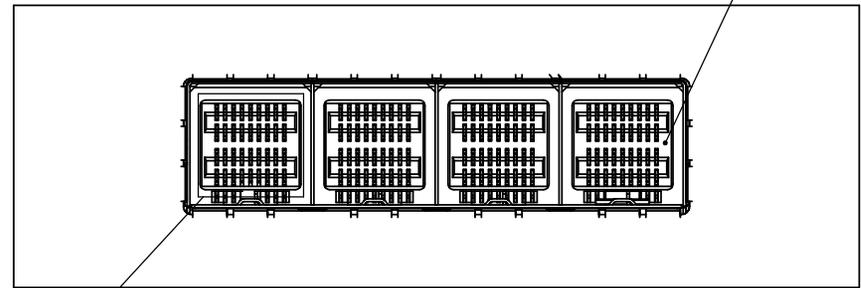
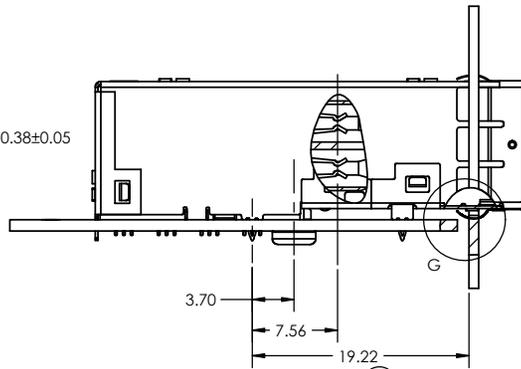
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
L	SEE SHEET ONE	MAY 15/12	ZLJ



RECOMMENDED PANEL CUTOUT FOR SINGLE LEVEL MOUNTING



DETAIL G SCALE 12:1



DETAIL VIEW WITH PIN NUMBERS SHOWN SCALE 8:1

NOTES:

1) 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

2) CONNECTOR AND CAGE ASSEMBLY ARE RoHS COMPLIANT



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DRAWN	K.SOBEL	FEB 09/10	
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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16X MINI SAS HD CAGE AND CONNECTOR 4 PORT ASSEMBLY

SIZE	DWG. NO.	P-U92-A410-1X01-XX	REV	L
SCALE: 1:1	PROJECT: HD	SHEET 4 OF 4		