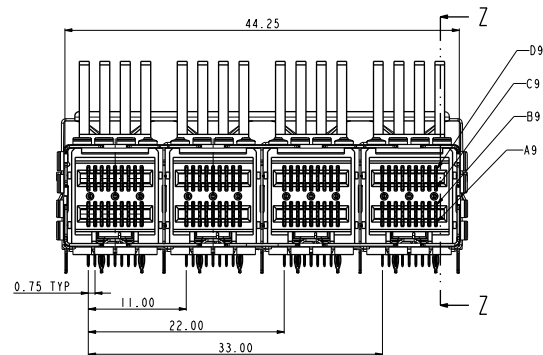
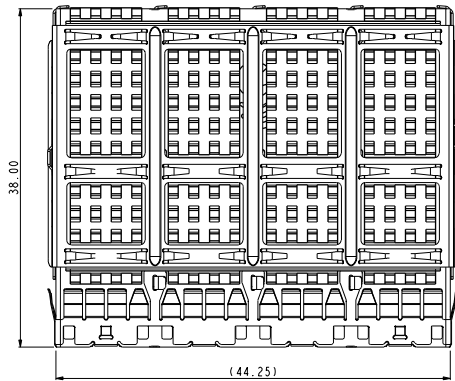
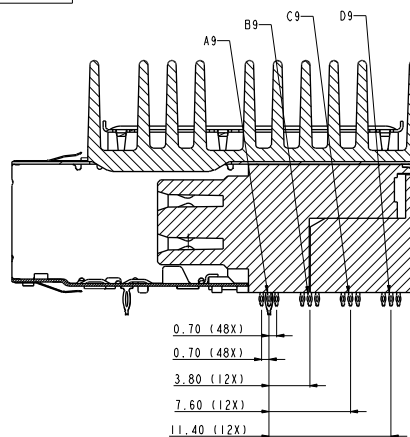


1	2	3	4	5	6	7	8
PRODUCT NUMBER	TAIL PLATING OPTION, SEE NOTE 2	1X4 EXTERNAL ASSEMBLY WITH WINDOWS	HEAT SINK MOUNTING CLIP(1X4)	HEAT SINK			
10112631-101	OPTION 1	10112628-103	10112656-001LF	10112655-001LF			
10112631-101LF	OPTION 2	10112628-103LF					

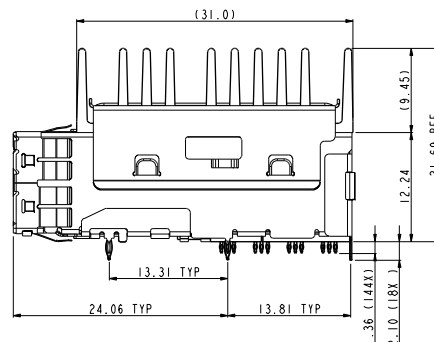


NOTES:

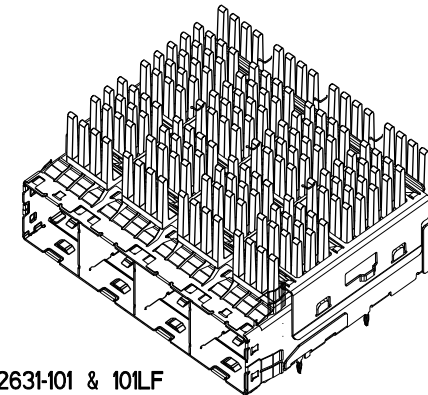
- MATERIALS:**
CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
GLASS FILLED, UL 94V-0
EMI CAGE: NICKEL SILVER ALLOY
EMI FINGERS: COPPER ALLOY
TERMINALS: COPPER ALLOY
HEAT SINK CLIP: STAINLESS STEEL
HEAT SINK: ALUMINIUM ALLOY
- FINISHES:**
EMI FINGERS: 0.50um MIN NICKEL
CONTACT AREA: 0.16um MIN GOLD OVER 2.54um MIN NICKEL TAIL AREA:
OPTION 1: 0.16um - 1.52um TIN/LEAD (90/10) OVER 2.54um MIN NICKEL
OPTION 2: 0.76um - 1.52um TIN (LEAD FREE) OVER 2.54um MIN NICKEL
- PRODUCT SPECIFICATION:** GS-12-651.
- PRODUCT PACKING SPECIFICATION:** GS-14-1490.
EXTERNAL ASSEMBLY WITH WINDOWS WILL BE IN ONE BOX.
HEAT SINK AND HEAT SINK MOUNTING CLIP WILL BE IN EACH ONE BOX.
TOTAL THREE BOXES WILL BE IN A MASTER CARTON.
- APPLICATION SPECIFICATION:** GS-20-0327.
- MOUNTING HARDWARE:** M2X0.4 BUTTON HEAD SCREW
MOUNTING SCREW LENGTH: BOARD THICKNESS + 1.4mm MAX (0.9mm MIN).
4 REQUIRED PER ASSEMBLY.
MOUNTING HARDWARE NOT SUPPLIED.
- THIS CONNECTOR IS DESIGNED TO MEET THE REQUIREMENTS OF**
INDUSTRY SPECIFICATION SFF-8644.
- HEAT SINK AND HEAT SINK MOUNTING CLIP FINAL ASSEMBLY**
AFTER EXTERNAL ASSEMBLY WITH WINDOW APPLIED TO PCB.



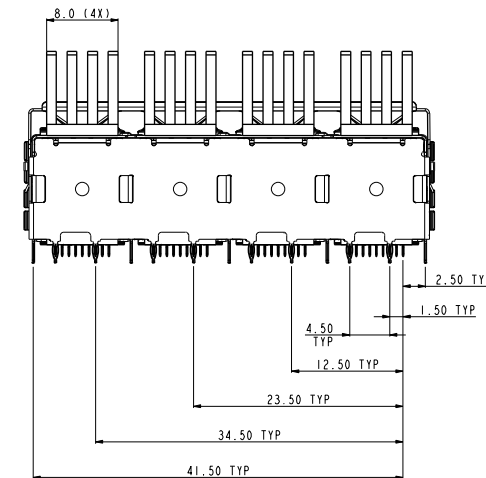
SECTION Z - Z
SCALE 3.000



MATES WITH MINI-SAS HD ENDS IN:
10112041 SERIES (4X)
10117771 SERIES (4X)
10117946 SERIES (4X)
10117949 SERIES (4X)
10117947 SERIES (8X)
10112359 SERIES (8X)
10117950 SERIES (8X)
10117948 SERIES (8X)

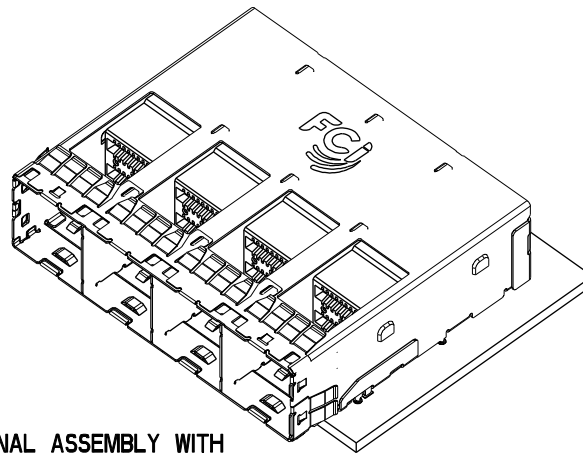


10112631-101 & 101LF
WITH HEAT SINKS

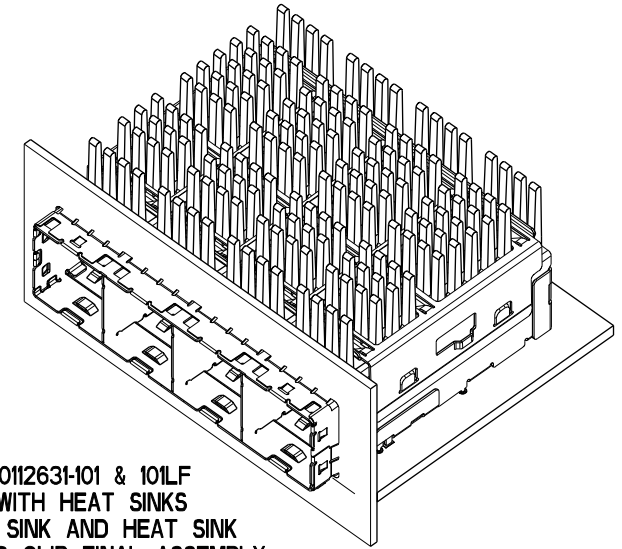


Print File - REV C - 2010-08-09

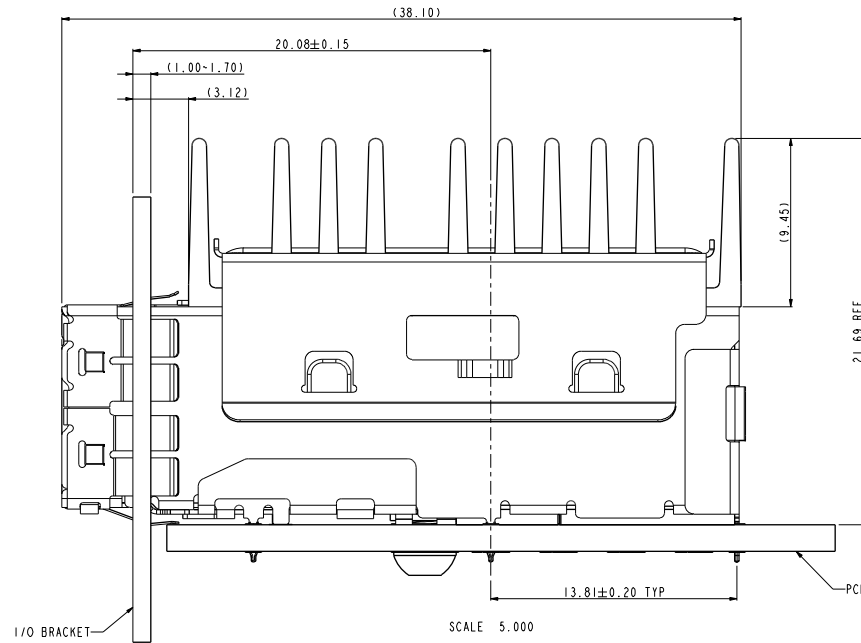
spec ref		-		dr	Benny Chen	2012-04-12		MM	size	A2	scale	4,000
tolerance std		ISO 406 ISO 1101		eng	De-Feng Qin	2013-03-01			ecn no	-	rel level	-
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Jon Qin	2013-03-01								
		appr	Pei-Ming Zheng	2013-03-01	product family							
surface	linear	0.X 0.XX 0.XXX	±0.5 ±0.3 ±		1x4 EXTERNAL ASSEMBLY WITH HEAT SINK				part no	10112631	rev	A
ISO 1302	angular	0° ±3°	±3°		www.fci.com		cat. no.	-		Product - Customer Drw		sheet 1 of 6



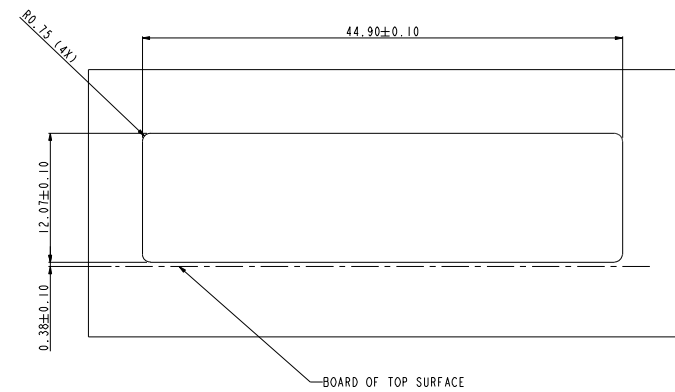
EXTERNAL ASSEMBLY WITH
WINDOWS APPLIED TO PCB
10112628-103 & 103LF



10112631-101 & 101LF
WITH HEAT SINKS
(HEAT SINK AND HEAT SINK
MOUNTING CLIP FINAL ASSEMBLY
BY CUSTOMER)

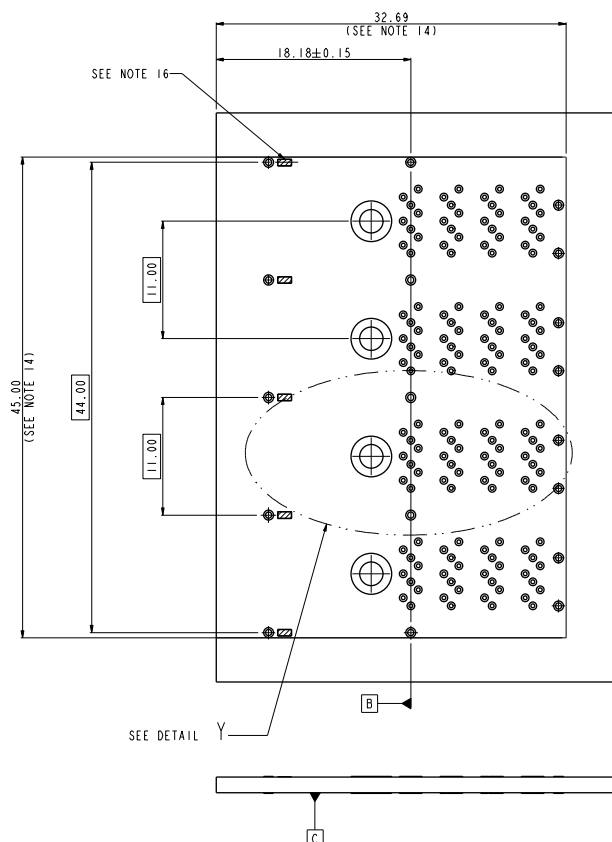


ASSEMBLED VIEW
WITH HEAT SINKS



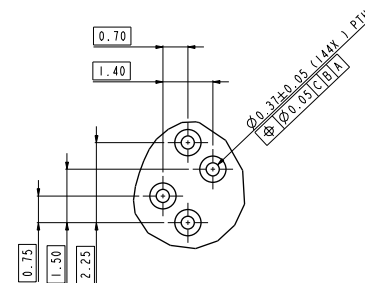
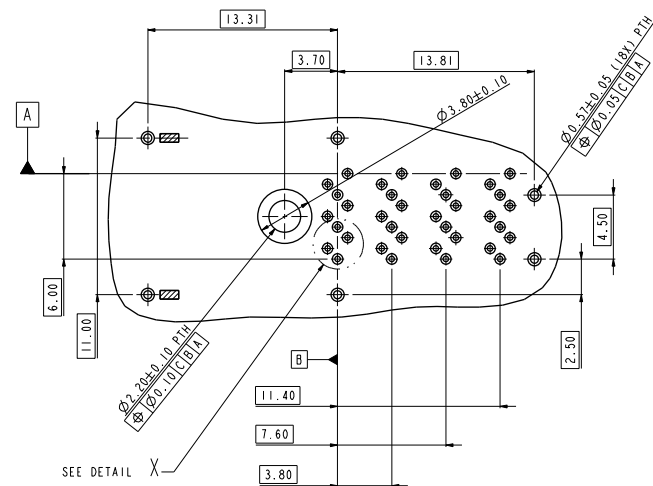
I/O BRACKET CUT OUT
(BRACKET NOT INCLUDED)

spec ref		dr Benny Chen		2012-04-12		projection		MM		size A2		scale 12.000			
tolerance std		eng De-Feng Qin		2013-03-01						ecm no		-			
ISO 406		chr Jon Qin		2013-03-01						product family		-			
ISO 1101		appr Pei-Ming Zheng		2013-03-01		rel level				-					
surface		linear		0.X ±0.5		FCI				1x4 EXTERNAL ASSEMBLY WITH HEAT SINK		10112631		rev A	
		0.XX ±0.3		0.XXX ±0.3											
ISO 1302		angular		0° ±3°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 6	



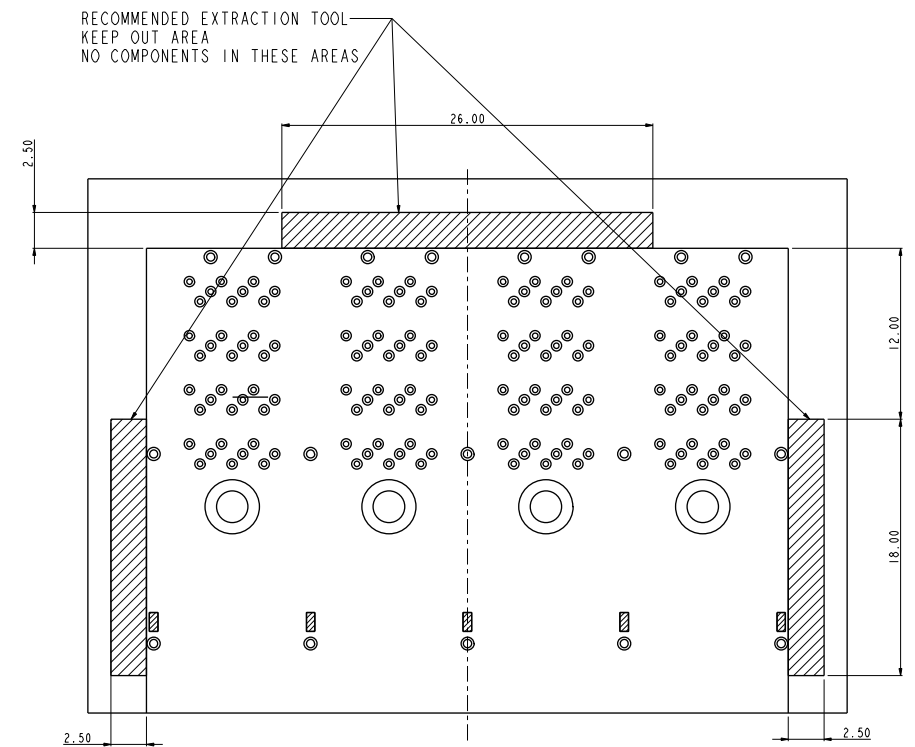
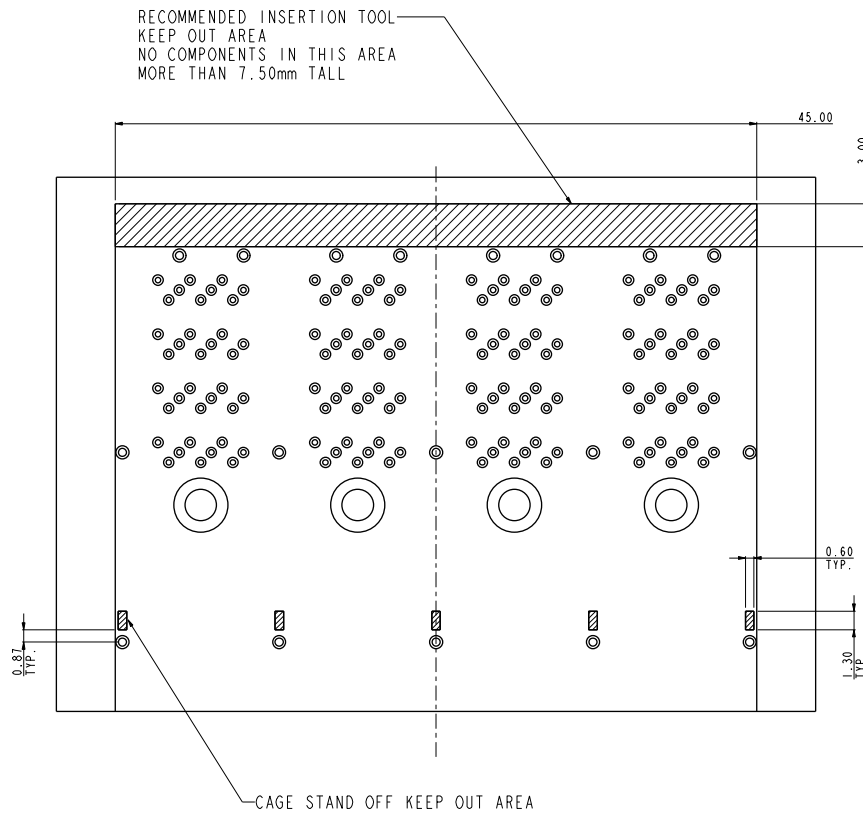
- NOTES:
- RECOMMENDED DRILL SIZE FOR $\phi 0.37$ FINISHED PTH IS $\phi 0.457$.
 - RECOMMENDED ANNULAR RING AROUND $\phi 0.37$ FINISHED PTH IS $\phi 0.73$.
 - RECOMMENDED DRILL SIZE FOR $\phi 0.57$ FINISHED PTH IS $\phi 0.68$.
 - RECOMMENDED ANNULAR RING AROUND $\phi 0.57$ FINISHED PTH IS $\phi 0.93$.
 - MINIMUM RECOMMENDED CENTER TO CENTER SPACING BETWEEN ADJACENT CONNECTORS: 47.00mm.
 - CONNECTOR KEEP OUT AREA.
 - MINIMUM PCB THICKNESS: 1.57mm.
 - CAGE STAND OFF AREA, NO TRACES ON SURFACE OF PCB IN THE AREAS.

RECOMMENDED BOARD LAYOUT
SEE SFF-8644 FOR DETAIL



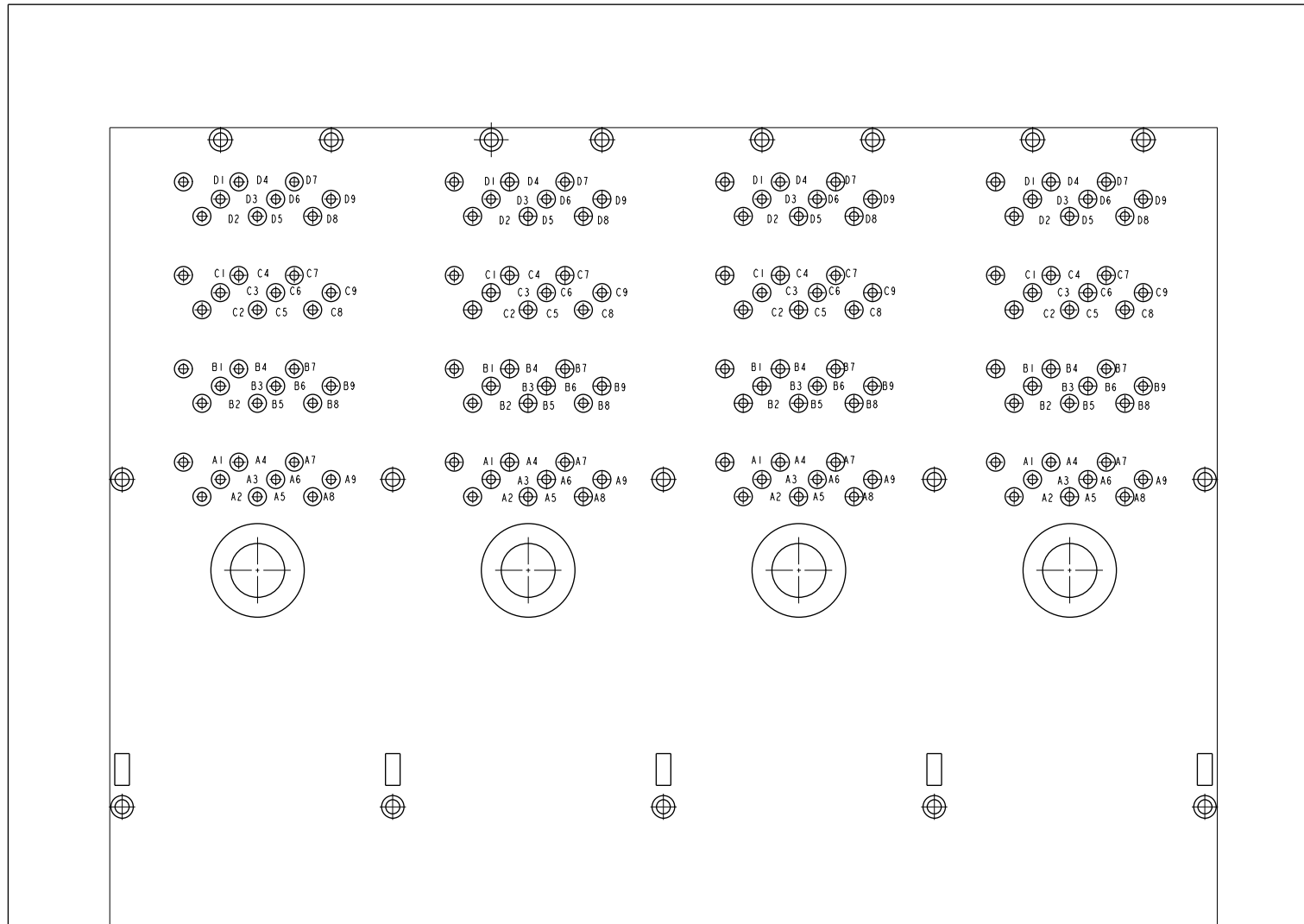
spec ref	-	dr	Benny Chen	2012-04-12		MM	size	A2	scale	12.000
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	De-Feng Qin	2013-03-01			ecn no	-	rel level	-
ISO 406 ISO 1101		chr	Jon Qin	2013-03-01			appr	Pei-Ming Zheng	2013-03-01	product family
surface	✓	linear	0.X ±0.5 0.XX ±0.3 0.XXX ±		1x4 EXTERNAL ASSEMBLY WITH HEAT SINK			10112631	rev	A
ISO 1302	angular	0° ±3°	www.fci.com		cat. no. MINI-SAS HD					
					-	Product	-	Customer	Drw	sheet 3 of 6

RECOMMENDED KEEP OUT AREAS



spec ref		dr		Benny Chen	2012-04-12	projection		MM		size	A2	scale	12.000		
tolerance std		eng		De-Feng Qin	2013-03-01					ecm no		rel level			
ISO 406		chr		Jon Qin	2013-03-01										
ISO 1101		appr		Pei-Ming Zheng	2013-03-01										
TOLERANCES UNLESS OTHERWISE SPECIFIED															
surface		linear	0.X	±0.5				1x4 EXTERNAL ASSEMBLY WITH HEAT SINK		dag no		10112631		rev	
			0.XX	±0.3											
			0.XXX	±0.1											
ISO 1302		angular	0°	±3°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 6	

PIN OUT DESIGNATIONS



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spec ref	-	dr	Benny Chen	2012-04-12	projection	MM	size	A2	scale	12.000
tolerance std	ISO 406	eng	De-Feng Qin	2013-03-01	chr	Jon Qin	2013-03-01	ecm no	-	-
ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Pei-Ming Zheng	2013-03-01	product family	rel level				
surface	✓	linear	0.X	±0.5	FCI	1x4 EXTERNAL ASSEMBLY WITH HEAT SINK	deg no	10112631	rev	A
ISO 1302	angular	0°	±3°	MINI-SAS HD						
		www.fci.com		cat. no.	-	Product - Customer Drw	sheet 5 of 6			

