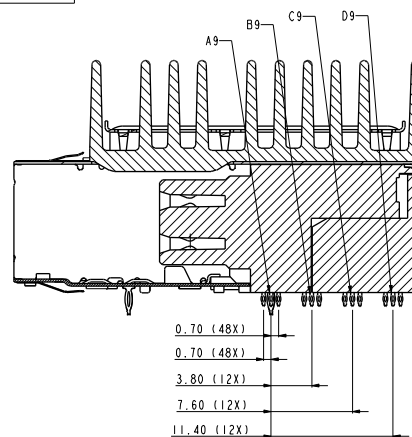
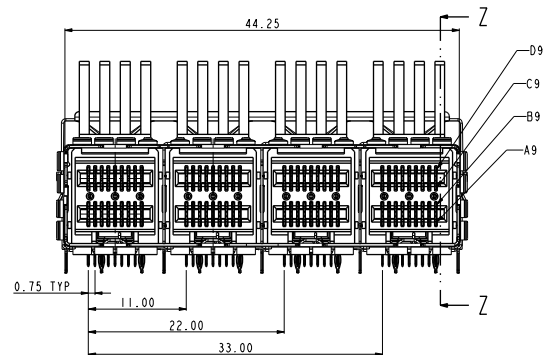
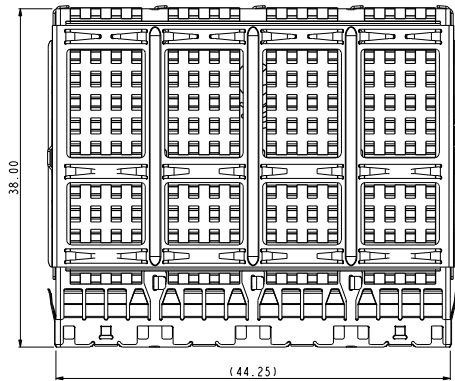
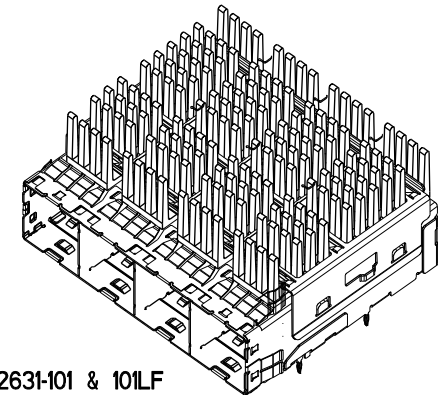
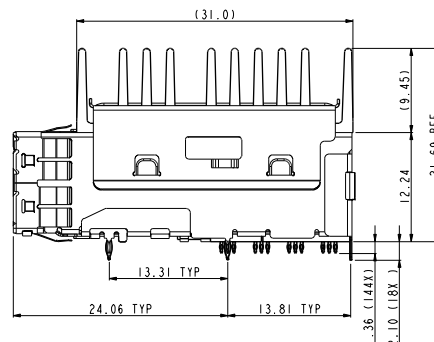


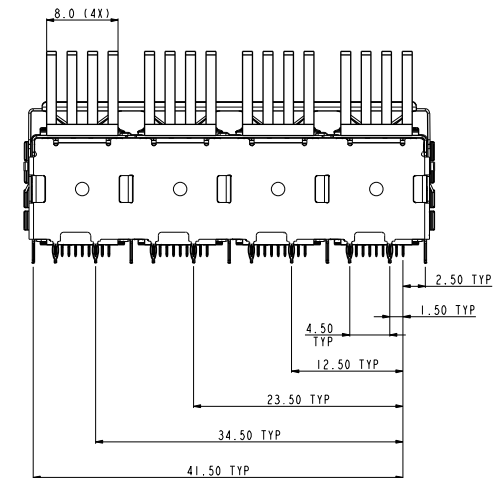
1	2	3	4	5	6	7	8
PRODUCT NUMBER	TAIL PLATING OPTION, SEE NOTE 2	1X4 EXTERNAL ASSEMBLY WITH WINDOWS	HEAT SINK MOUNTING CLIP(1X4)	HEAT SINK			
10112631-101	OPTION 1	10112628-103	10112656-001LF	10112655-001LF			
10112631-101LF	OPTION 2	10112628-103LF					



SECTION Z - Z
SCALE 3.000



10112631-101 & 101LF
WITH HEAT SINKS



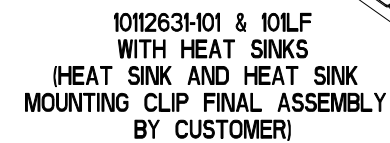
NOTES:

- 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: 0.16um - 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.

MATES WITH MINI-SAS HD ENDS IN:

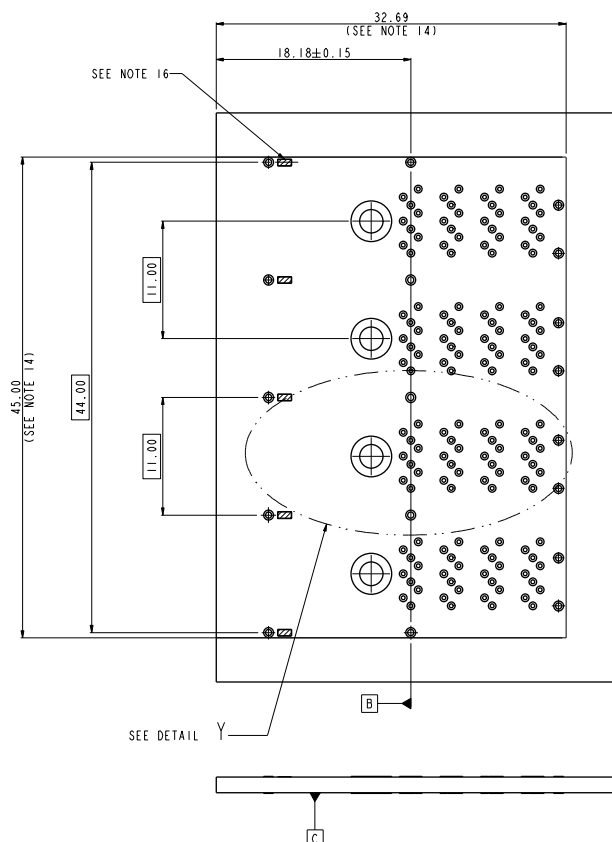
10112041 SERIES (4X)
10117771 SERIES (4X)
10117946 SERIES (4X)
10117949 SERIES (4X)
10117947 SERIES (8X)
10112359 SERIES (8X)
10117950 SERIES (8X)
10117948 SERIES (8X)

spec ref	-	dr	Benny Chen	2012-04-12		MM		size	A2	scale	4,000
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	ISO 1302	linear	0.X ±0.5 0.XX ±0.3 0.XXX ±0.1		1x4 EXTERNAL ASSEMBLY WITH HEAT SINK MINI-SAS HD	cat. no.	-	Product - Customer Drw	10112631	rev	A
	angular	0° ±3°	www.fai.com								



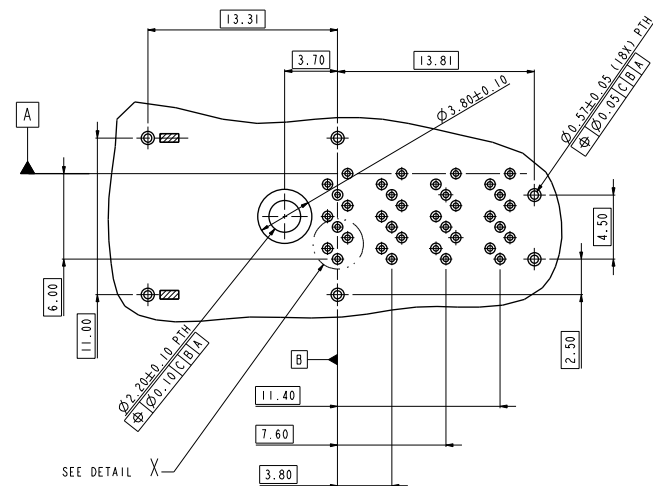
I/O BRACKET CUT OUT
(BRACKET NOT INCLUDED)

spec ref tolerance sid ISO 406 ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		dr Benny Chen 2012-04-12 eng De-Feng Qin 2013-03-01 chr Jon Xia 2013-03-01 appr Pei-Ming Zheng 2013-03-01		projection 		MM		size A2 12,000		scale	
surface ☒		linear		0.X ±0.5 0.XX ±0.3 0.XXX ±0.1		FCI		1x4 EXTERNAL ASSEMBLY WITH HEAT SINK		10112631		rev A	
ISO 1302		angular		0° ±3°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 2 of 6	
						title MINI-SAS HD							

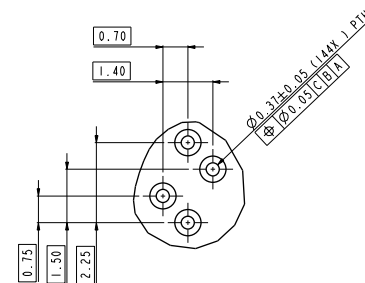


- NOTES:
- RECOMMENDED DRILL SIZE FOR $\phi 0.37$ FINISHED PTH IS $\phi 0.457$.
 - RECOMMENDED ANNULAR RING AROUND $\phi 0.37$ FINISHED PTH IS $\phi 0.73$.
 - RECOMMENDED DRILL SIZE FOR $\phi 0.57$ FINISHED PTH IS $\phi 0.68$.
 - RECOMMENDED ANNULAR RING AROUND $\phi 0.57$ FINISHED PTH IS $\phi 0.93$.
 - 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



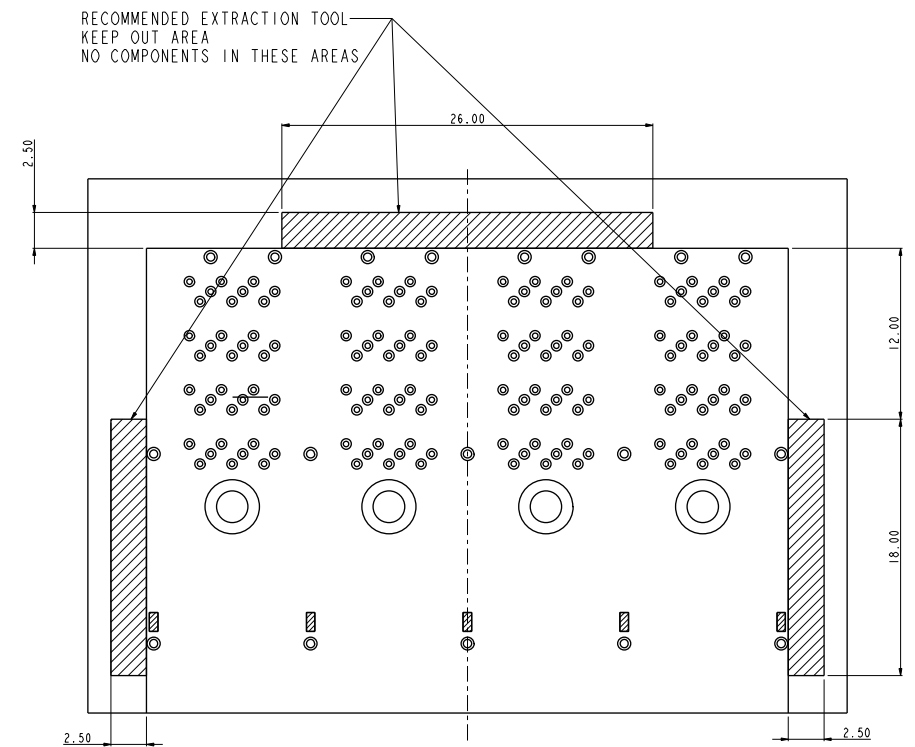
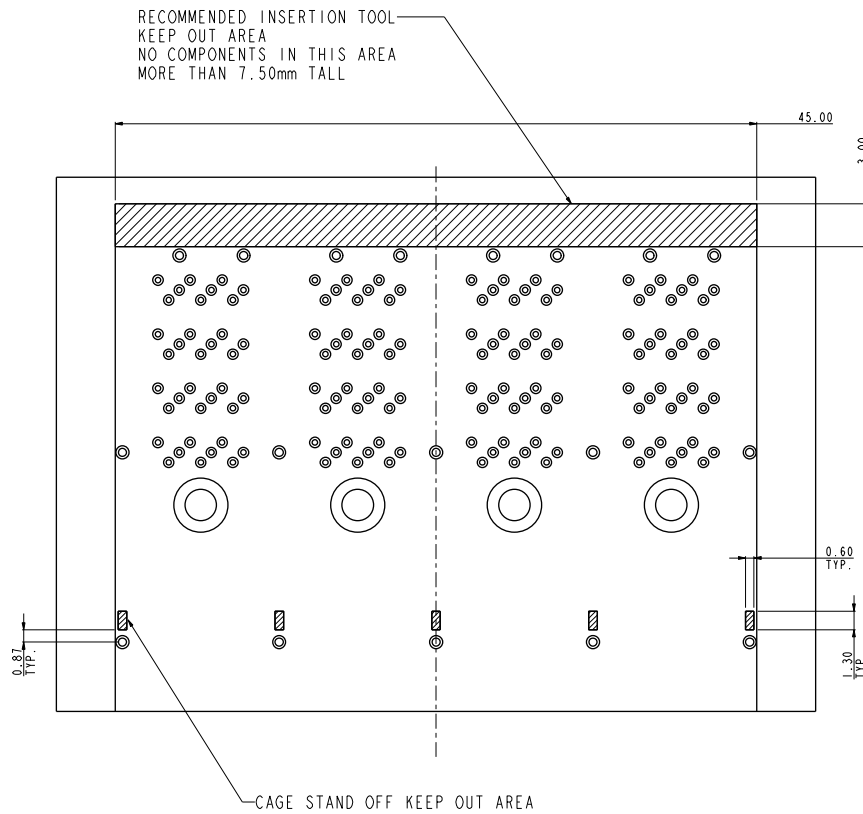
DETAIL Y
SCALE 4.000



DETAIL X
SCALE 10.000

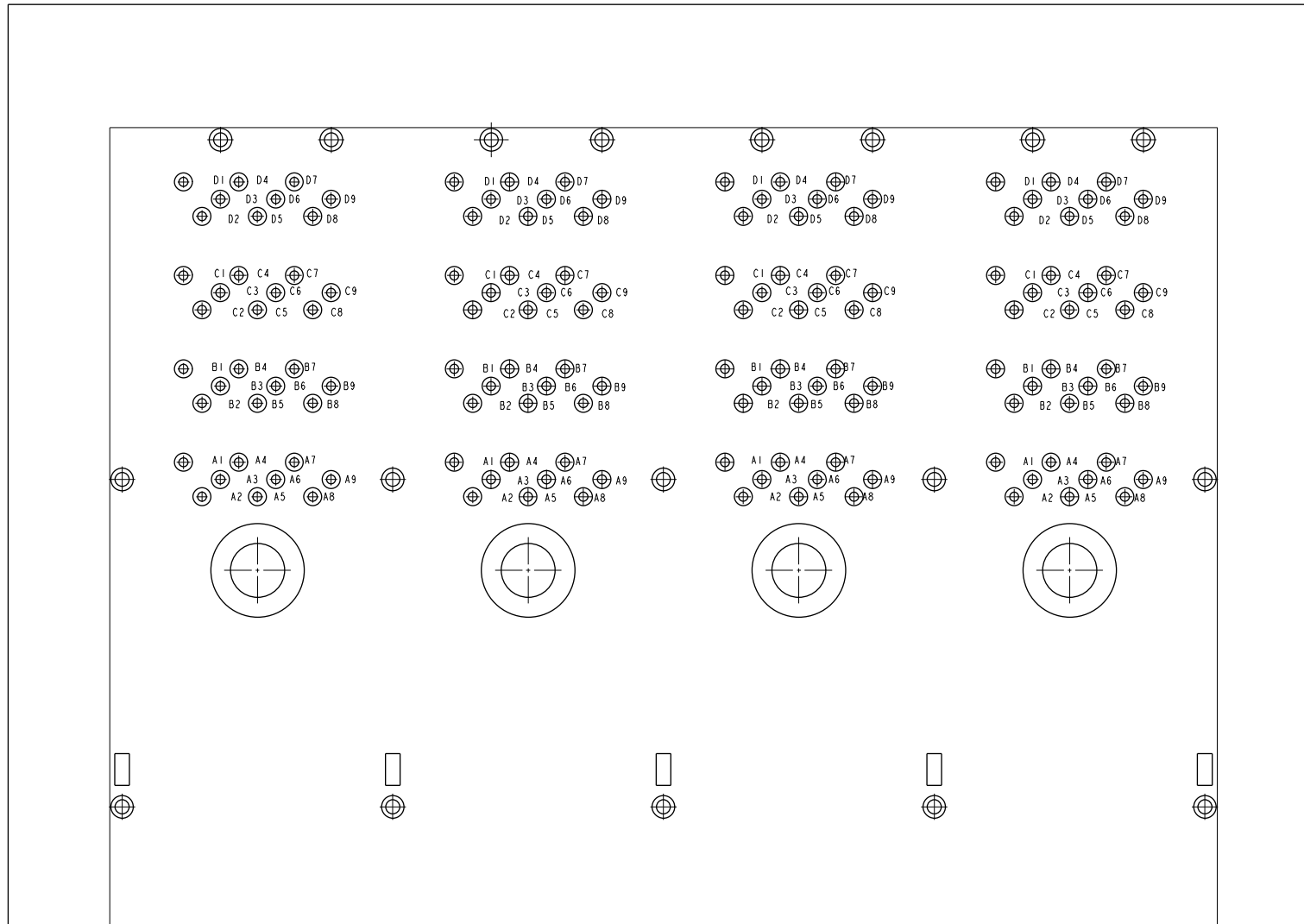
spec ref	-	dr	Benny Chen	2012-04-12		MM	size	A2	scale	12.000
tolerance std	ISO 406 ISO 1101	eng	De-Feng Qin	2013-03-01			ecn no	-	rel level	-
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Jon Qin	2013-03-01						
		appr	Pei-Ming Zheng	2013-03-01	product family					
surface	✓	linear	0.X ±0.5 0.XX ±0.3 0.XXX ±		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



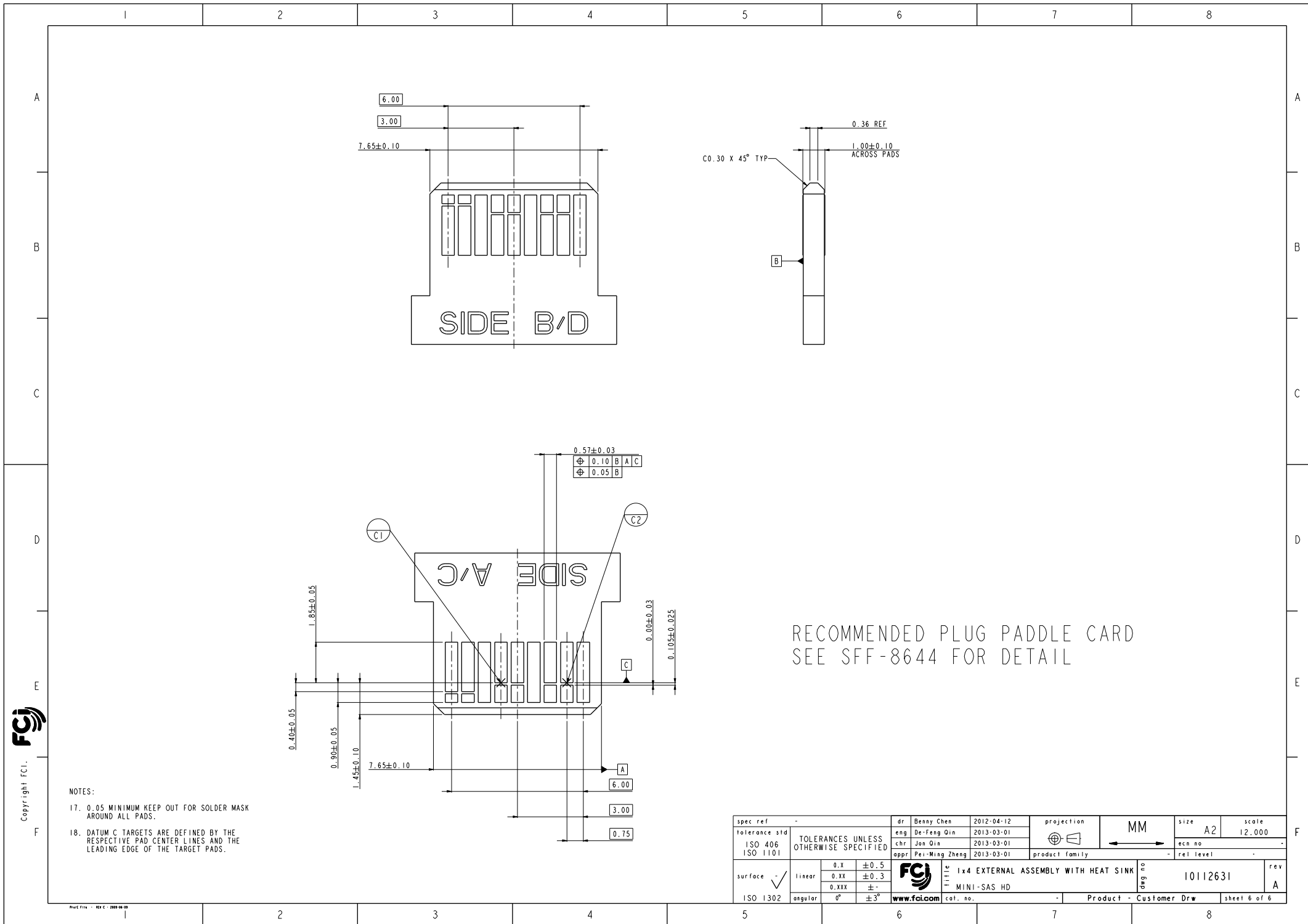
spec ref		dr		Benny Chen	2012-04-12	projection		MM		size	A2	scale	12.000
tolerance std		eng		De-Feng Qin	2013-03-01					ecn no		rel level	
ISO 406		chr		Jon Qin	2013-03-01								
ISO 1101		appr		Pei-Ming Zheng	2013-03-01								
TOLERANCES UNLESS OTHERWISE SPECIFIED													
surface		linear				1x4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

PIN OUT DESIGNATIONS



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FCI

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	10112631	rev	A	
ISO 1302	angular	0°	±3°	MINI-SAS HD						
		www.fci.com		cat. no.	-	Product - Customer Drw	sheet 5 of 6			



Copyright FCI.

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

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<http://moschip.ru/get-element>

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