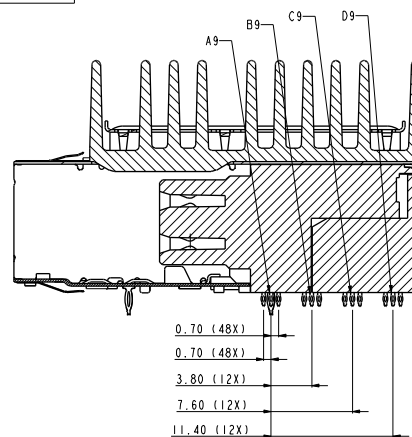
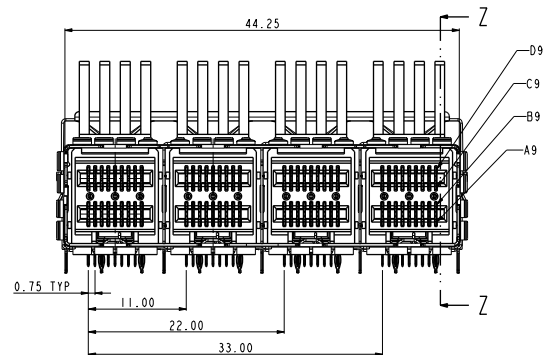
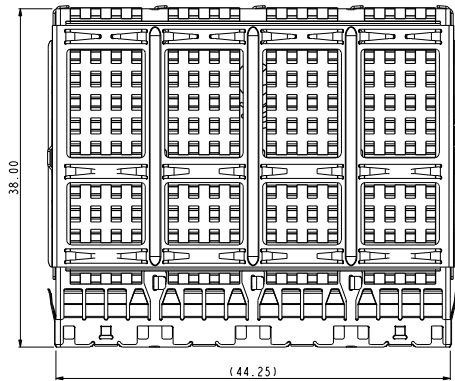
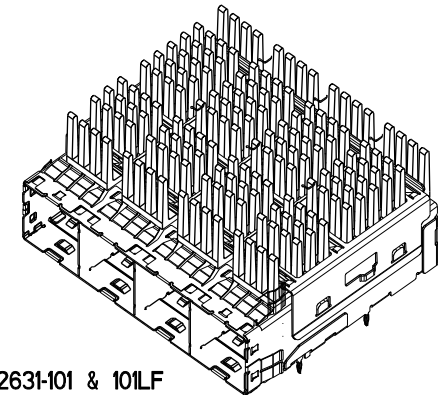
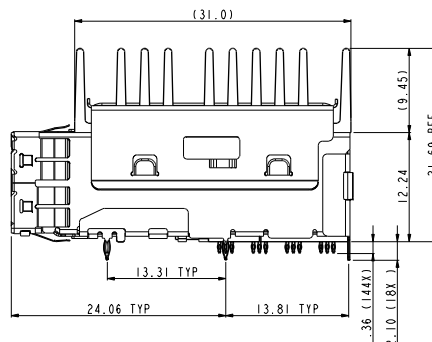


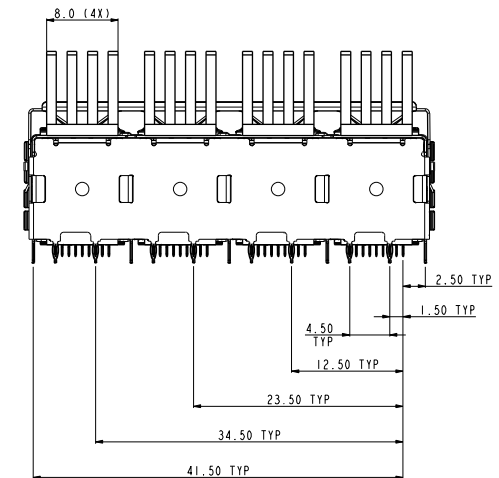
1	2	3	4	5	6	7	8
PRODUCT NUMBER	TAIL PLATING OPTION, SEE NOTE 2	1X4 EXTERNAL ASSEMBLY WITH WINDOWS	HEAT SINK MOUNTING CLIP(1X4)	HEAT SINK			
10112631-101	OPTION 1	10112628-103	10112656-001LF	10112655-001LF			
10112631-101LF	OPTION 2	10112628-103LF					



SECTION Z-Z
SCALE 3.000



10112631-101 & 101LF
WITH HEAT SINKS



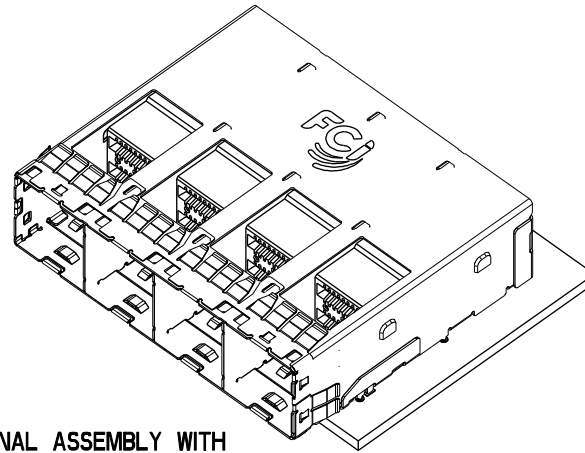
NOTES:

- 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.

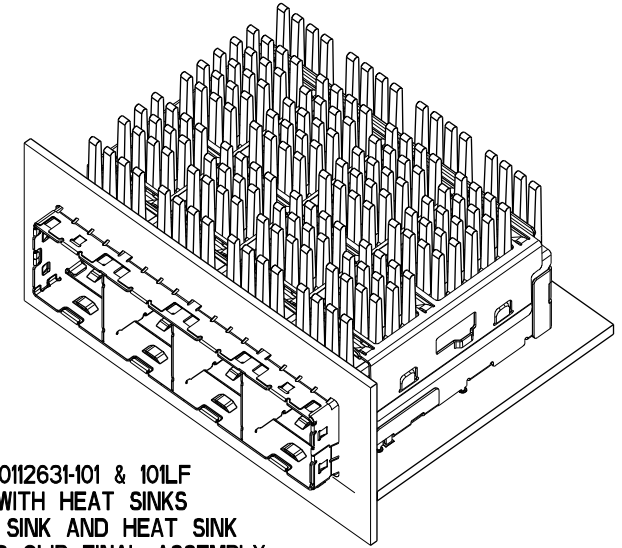
MATES WITH MINI-SAS HD ENDS IN:

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

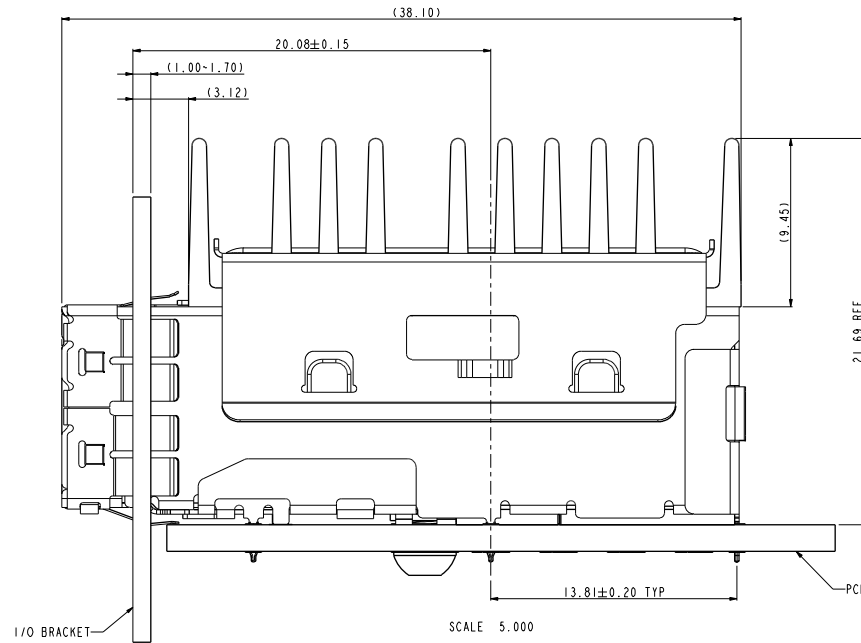
spec ref	-	dr	Benny Chen	2012-04-12		MM	size	A2	scale	4,000
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	De-Feng Qin	2013-03-01			ecn no	-	rel level	-
ISO 406 ISO 1101		chr	Jon Qin	2013-03-01						
		appr	Pei-Ming Zheng	2013-03-01	product family					
surface		linear	0.X ±0.5 0.XX ±0.3 0.XXX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



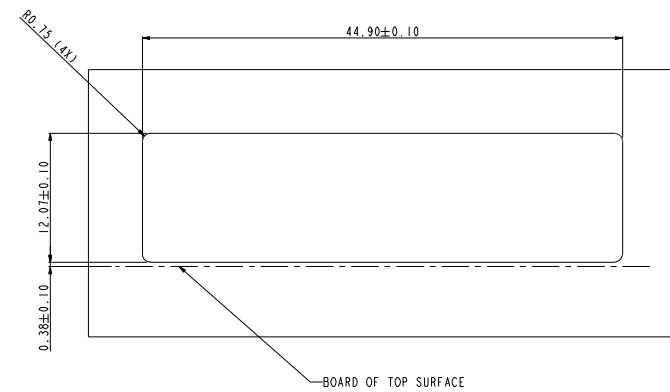
EXTERNAL ASSEMBLY WITH
WINDOWS APPLIED TO PCB
10112628-103 & 103LF



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

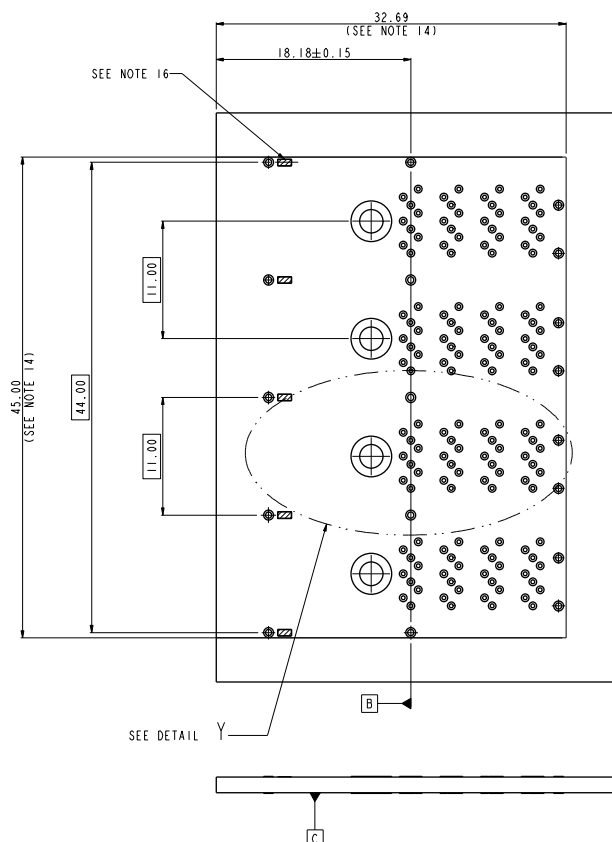


ASSEMBLED VIEW
WITH HEAT SINKS



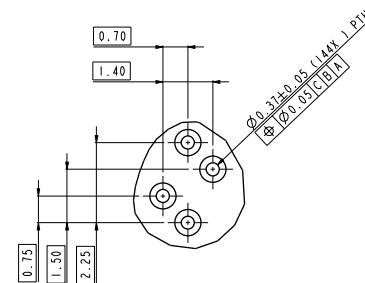
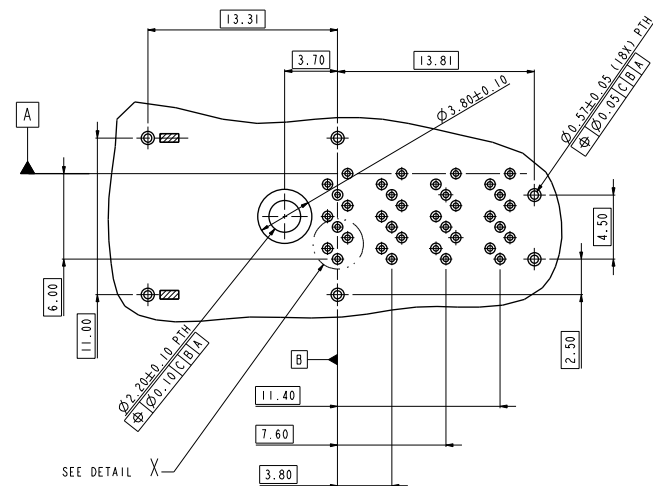
I/O BRACKET CUT OUT
(BRACKET NOT INCLUDED)

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 Qiu		2013-03-01						product family		rel level	
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED				appr Pei-Ming Zheng		2013-03-01					
surface		linear		0.X ±0.5				1x4 EXTERNAL ASSEMBLY WITH HEAT SINK		10112631		rev A	
ISO 1302		0.XX ±0.3		cat. no.									
		0.XXX ±		MINI-SAS HD									
		angular 0° ±3°		www.fci.com				Product - Customer Drw		sheet 2 of 6			



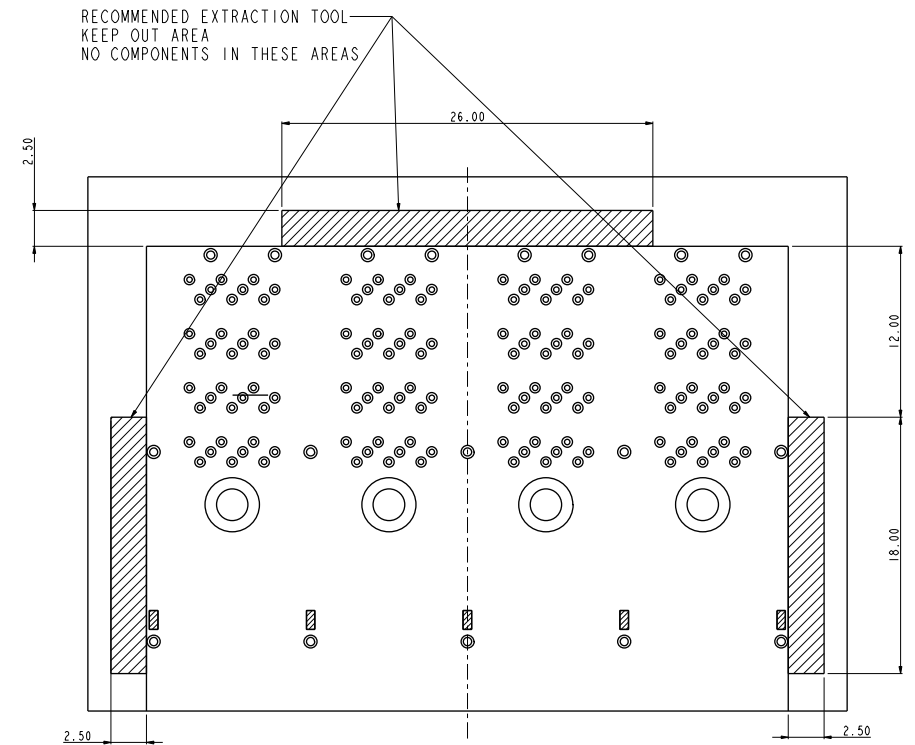
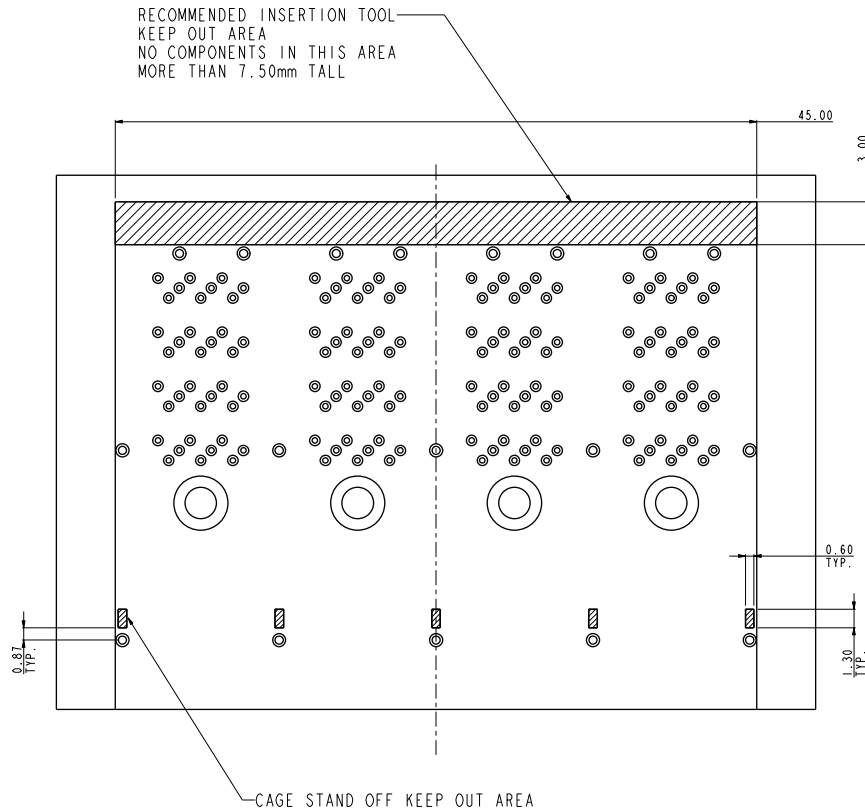
- NOTES:
- RECOMMENDED DRILL SIZE FOR $\varnothing 0.37$ FINISHED PTH IS $\varnothing 0.457$.
 - RECOMMENDED ANNULAR RING AROUND $\varnothing 0.37$ FINISHED PTH IS $\varnothing 0.73$.
 - RECOMMENDED DRILL SIZE FOR $\varnothing 0.57$ FINISHED PTH IS $\varnothing 0.68$.
 - RECOMMENDED ANNULAR RING AROUND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



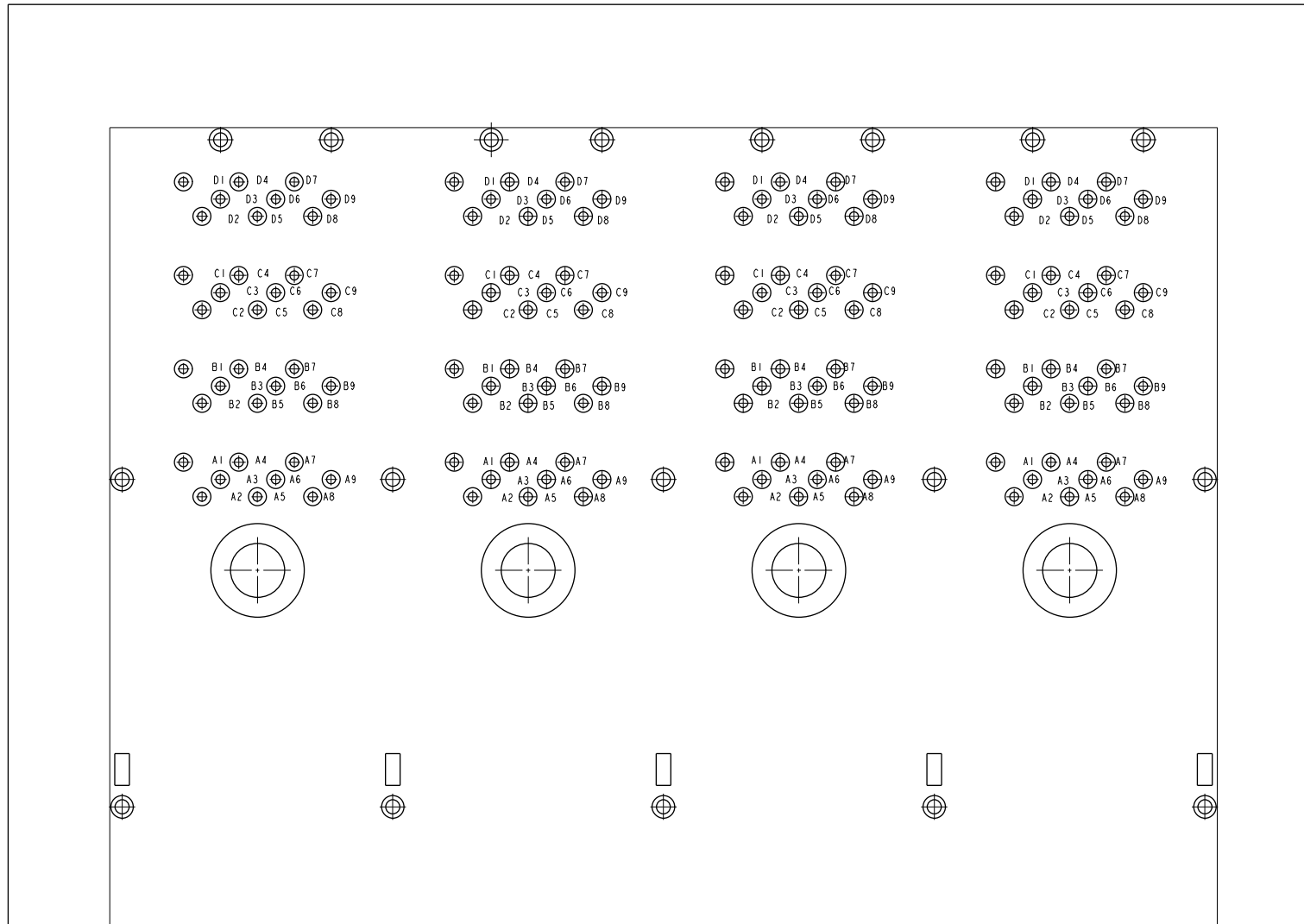
spec ref	-	dr	Benny Chen	2012-04-12		MM	size	A2	scale	12.000
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	De-Feng Qin	2013-03-01			ecn no	-	rel level	-
ISO 406 ISO 1101		chr	Jon Qin	2013-03-01			appr	Pei-Ming Zheng	2013-03-01	product family
surface	✓	linear	0.X ±0.5 0.XX ±0.3 0.XXX ±		1x4 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



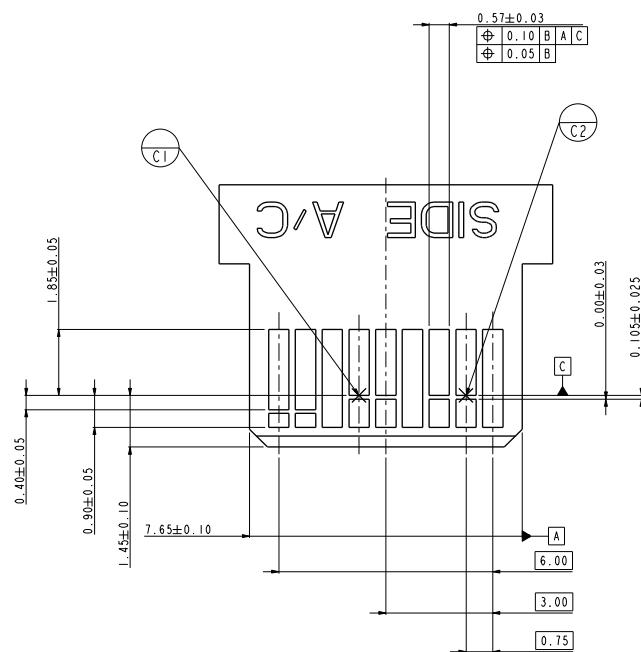
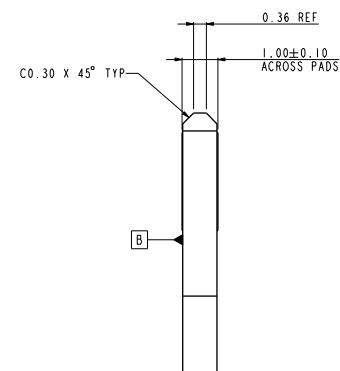
spec ref		-		dr		Benny Chen	2012-04-12	projection		MM		size		A2		scale		12.000		
tolerance std		ISO 406		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		De-Feng Qin	2013-03-01				ecm no		-		rel level		-	
ISO 1101				chr		Jon Qin	2013-03-01		product family											
				appr		Pei-Ming Zheng	2013-03-01													
surface		✓		linear		0.X		±0.5				1x4 EXTERNAL ASSEMBLY WITH HEAT SINK		10112631		rev		A		
				0.XX		±0.3														
				0.XXX		±-														
ISO 1302				angular		0°		±3°		www.fci.com		cat. no.		-		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	deg no	10112631	rev	A	
ISO 1302	angular	0°.xxx	±°		MINI-SAS HD					
		www.fci.com	cat. no.	-	Product - Customer Drw	sheet 5 of 6				



RECOMMENDED PLUG PADDLE CARD
SEE SFF-8644 FOR DETAIL

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NOTES:

17. 0.05 MINIMUM KEEP OUT FOR SOLDER MASK AROUND ALL PADS.
18. DATUM C TARGETS ARE DEFINED BY THE RESPECTIVE PAD CENTER LINES AND THE LEADING EDGE OF THE TARGET PADS.

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.