

Excellent Integrated System Limited

Stocking Distributor

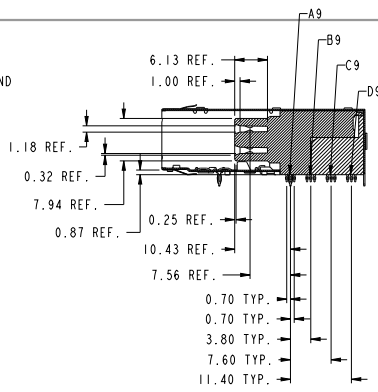
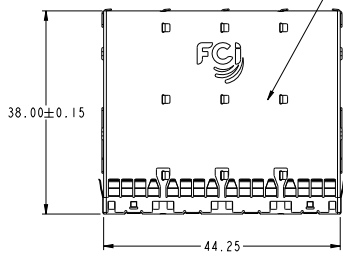
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10122504-101LF](#)

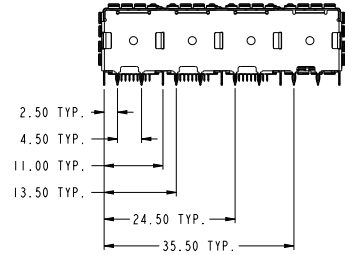
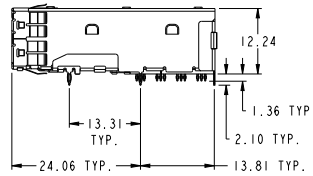
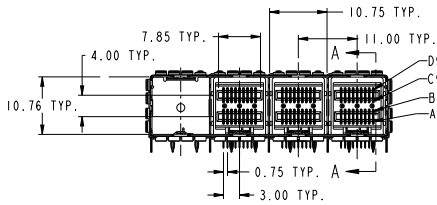
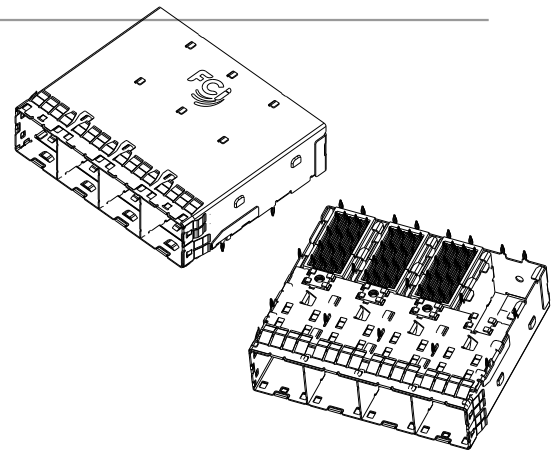
For any questions, you can email us directly:

sales@integrated-circuit.com

PRODUCT NUMBER	DESCRIPTION
10122504-101LF	SELECTIVE EXTERNAL



SECTION A-A
SCALE 2:1



NOTES:

- MATERIALS:**
CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
GLASS FILLED, UL 94V-0
EMI CAGE: NICKEL SILVER ALLOY
EMI FINGERS: COPPER ALLOY
TERMINALS: COPPER ALLOY
- FINISHES:**
EMI FINGERS: 0.50um MIN NICKEL
CONTACT AREA: 0.76um MIN GOLD OVER 2.54um MIN NICKEL
TAIL AREA: 0.76um - 1.52um TIN (LEAD FREE) OVER 2.54um MIN NICKEL
- PRODUCT SPECIFICATION:** GS-12-651
APPLICATION SPECIFICATION: GS-20-0327
- MOUNTING HARDWARE:** M2 X 0.4 BUTTON HEAD SCREW
MOUNTING SCREW LENGTH: BOARD THICKNESS + 1.4mm MAX (0.9mm MIN).
3 REQUIRED PER ASSEMBLY
- THIS CONNECTOR IS DESIGNED TO MEET THE REQUIREMENTS OF
INDUSTRY SPECIFICATION SFF-8644.
- THE USE OF A PCI BRACKET OR EQUIVALENT IS REQUIRED FOR THIS PRODUCT
- A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT
HAVE BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

**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.	01010101	projection	MM	size	A2	scale	1:1
tolerance std.	ASME Y14.5	eng.	01010101	product family	1x4 SELECTIVE PORT	acc. no.	10122504	rel. level	Released
surface	linear	0.1	±0.25	FCI	1x4 SELECTIVE PORT	deg. no.	10122504	rev	A
ASME Y14.5	angular	0.1X	±0.20	www.fci.com	MINI-SAS HD EXTERNAL	col. no.	Product - Customer Drw	sheet 1 of 5	

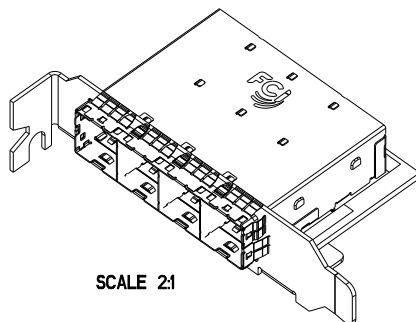
PDS: Rev: A

STATUS: Released

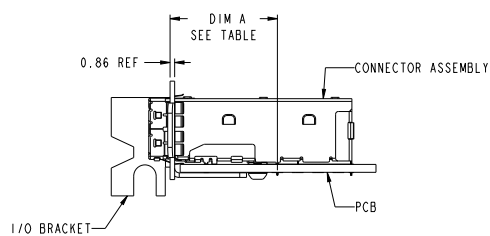
Printed: Feb 19, 2014

APPLICATION	DIM A
PCI ADD-IN CARD	19.00 ± 0.15
ALL OTHER APPLICATIONS	20.08 ± 0.15

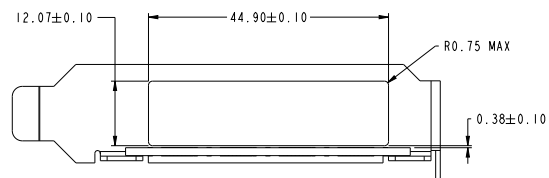
I/O BRACKET CUT OUT
(BRACKET NOT SUPPLIED)
SEE NOTE 6



SCALE 2:1



ASSEMBLED VIEW
SCALE 2:1



BRACKET LAYOUT
SCALE 2:1

spec. ref.	-	dr.	Qin Sheng	20140218	projection	MM	size	A2	scale	2:1
tolerance std.	ASME Y14.5	eng.	Qin Sheng	20140218	product family	-	acc. no.	-	rel. level	Released
	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr.	Wei Wang	20140218						
surface	linear	0.1	±0.25	FCI	1x4 SELECTIVE PORT					
		0.2X	±0.20		MINI-SAS HD EXTERNAL		10122504			
ASME Y14.5	angular	0°	±2°	www.fci.com	Product - Customer Drw				sheet 2 of 5	rev A

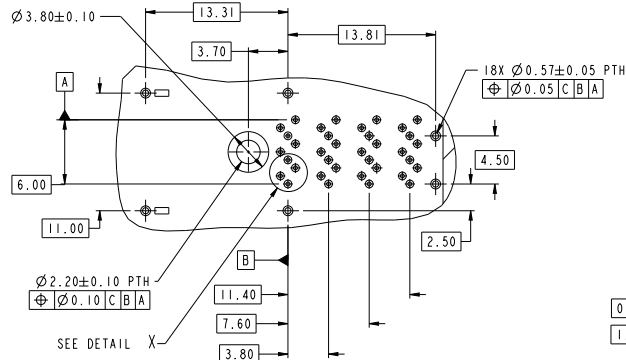
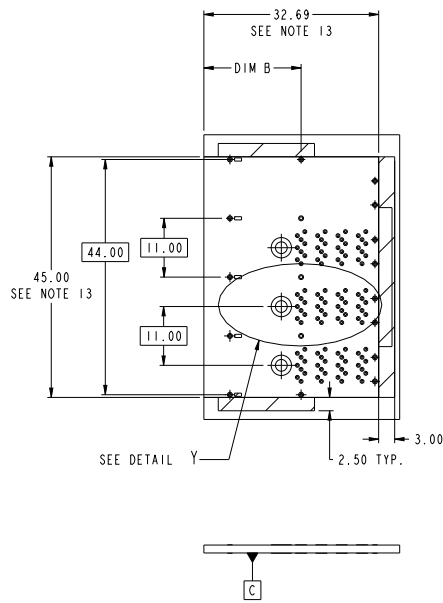
PDS: 6 rev :A

STATUS: Released

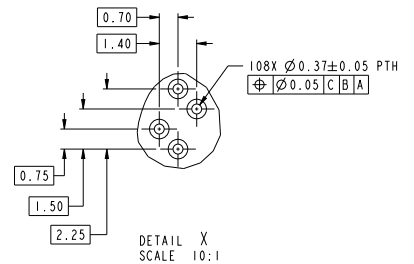
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APPLICATION	DIM B
PCI ADD-IN CARD	17.10 ± 0.15
ALL OTHER APPLICATIONS	18.19 ± 0.15

RECOMMENDED BOARD LAYOUT



DETAIL Y
SCALE 4:1



DETAIL X
SCALE 10:1

NOTES:

- RECOMMENDED DRILL SIZE FOR Ø 0.37 FINISHED PTH IS Ø 0.457.
- RECOMMENDED ANNULAR RING AROUND Ø 0.37 FINISHED PTH IS Ø 0.73.
- RECOMMENDED DRILL SIZE FOR A Ø 0.57 FINISHED PTH IS Ø 0.68.
- RECOMMENDED ANNULAR RING AROUND A Ø 0.57 FINISHED PTH IS Ø 0.93.
- MINIMUM RECOMMENDED CENTER TO CENTER SPACING BETWEEN ADJACENT CONNECTORS: 47.00mm.
- CONNECTOR KEEP OUT AREA.
- MINIMUM PCB THICKNESS: 1.57mm.

spec. ref.	-	dr.	Qin Sheng	projection	MM	size	A2	scale	12:1
tolerance std.	ASME Y14.5	eng.	Qin Sheng	product family	-	acc. no.	-	rel. level	Released
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chk.	Qin Sheng						
		appr.	Qin Sheng						
surface	linear	0.1	±0.25	FCI	1x4 SELECTIVE PORT	10122504		rev	A
	angular	0.1XX	±0.20	www.fci.com	MINI-SAS HD EXTERNAL				
ASME Y14.5		Ø	±2°						

PDS: Rev: A

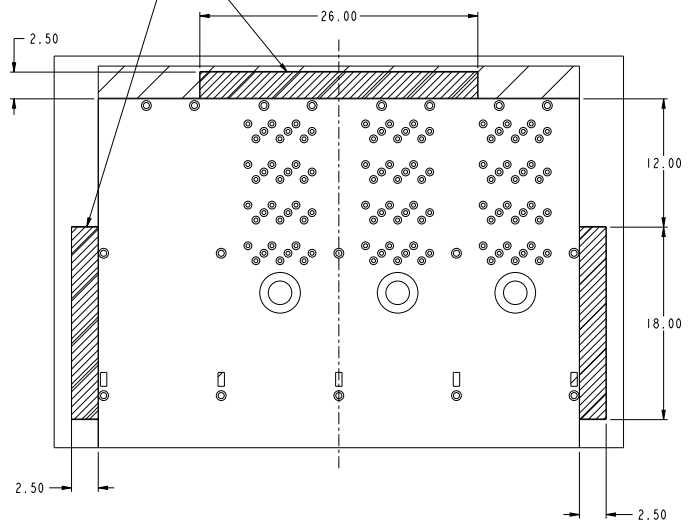
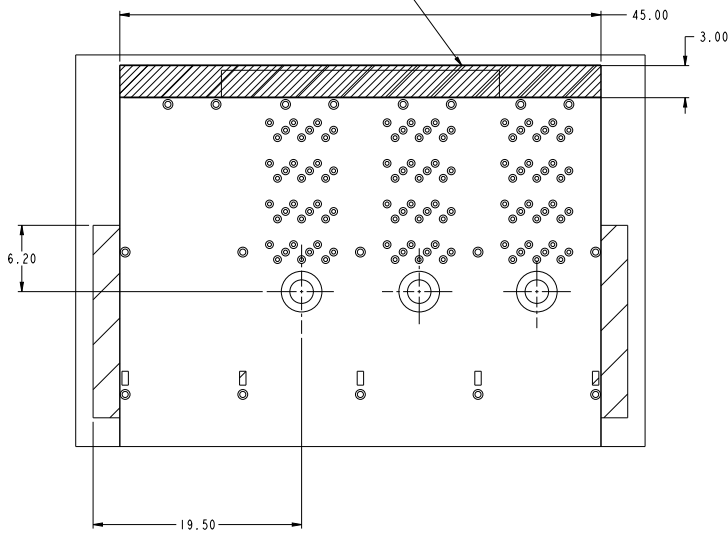
STATUS: Released

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RECOMMENDED TOOLING KEEP OUT AREAS

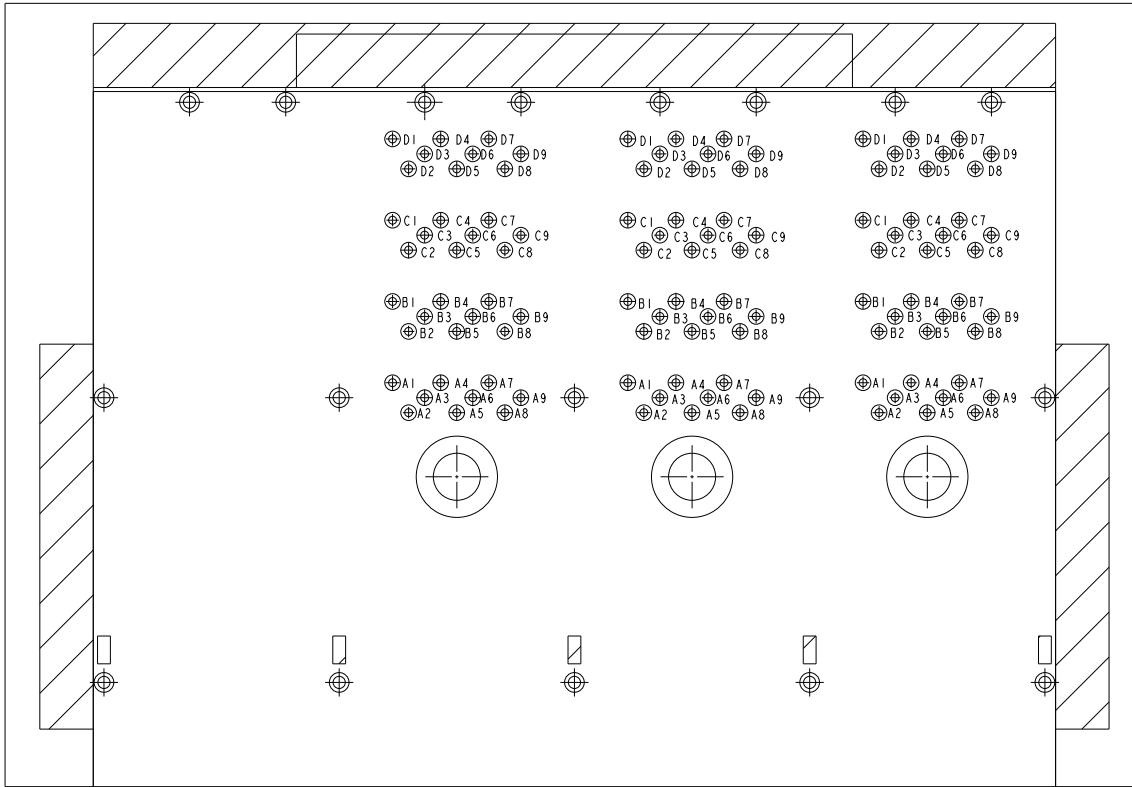
RECOMMENDED INSERTION TOOL
KEEP OUT AREA
NO COMPONENTS IN THIS AREA
MORE THAN 7.50mm TALL

RECOMMENDED EXTRACTION TOOL
KEEP OUT AREA
NO COMPONENTS IN THESE AREAS



spec. ref.	-	dr.	Qin Sheng	20120208	projection	MM	size	A2	scale	1:2.1
tolerance std	ASME Y14.5	eng	Qin Sheng	20120208		←	ech	no	rel	level
TOLERANCES UNLESS OTHERWISE SPECIFIED										
ASME Y14.5										Released
surface	linear	0.1	±0.25		1x4 SELECTIVE PORT	10122504	deg. no.	rev	A	sheet 4 of 5
		0.1X	±0.20							
		0.1XX	±							
	ASME Y14.5	angular	0°	±2°	www.fci.com	MINI-SAS HD EXTERNAL				
5	PDS: Rev: A				STATUS: Released			Printed: Feb 19, 2014		

PIN OUT DESIGNATIONS



spec. ref.		dr		Qin Sheng	20140218	projection	MM	size	A2	scale	1:2.1
tolerance std		eng		Qin Sheng	20140218	chp		acc. no.		rel. level	Released
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED									
surface		linear	0.1	±0.25	FCI	1x4 SELECTIVE PORT MINI-SAS HD EXTERNAL					
ASME Y14.5		angular	0.1XX	±							
				www.fci.com							
Product - Customer Drw		sheet 5 of 5									

PDS: Rev :A

STATUS: Released

Printed: Feb 19, 2014