



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

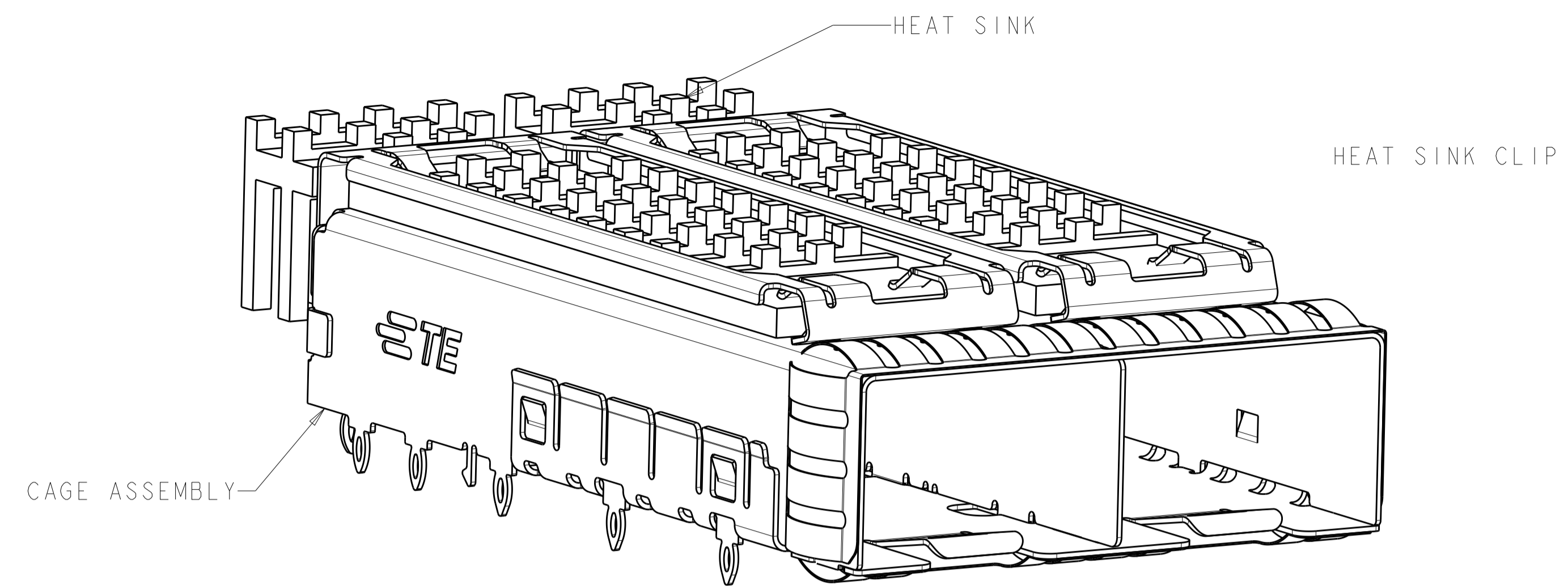
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



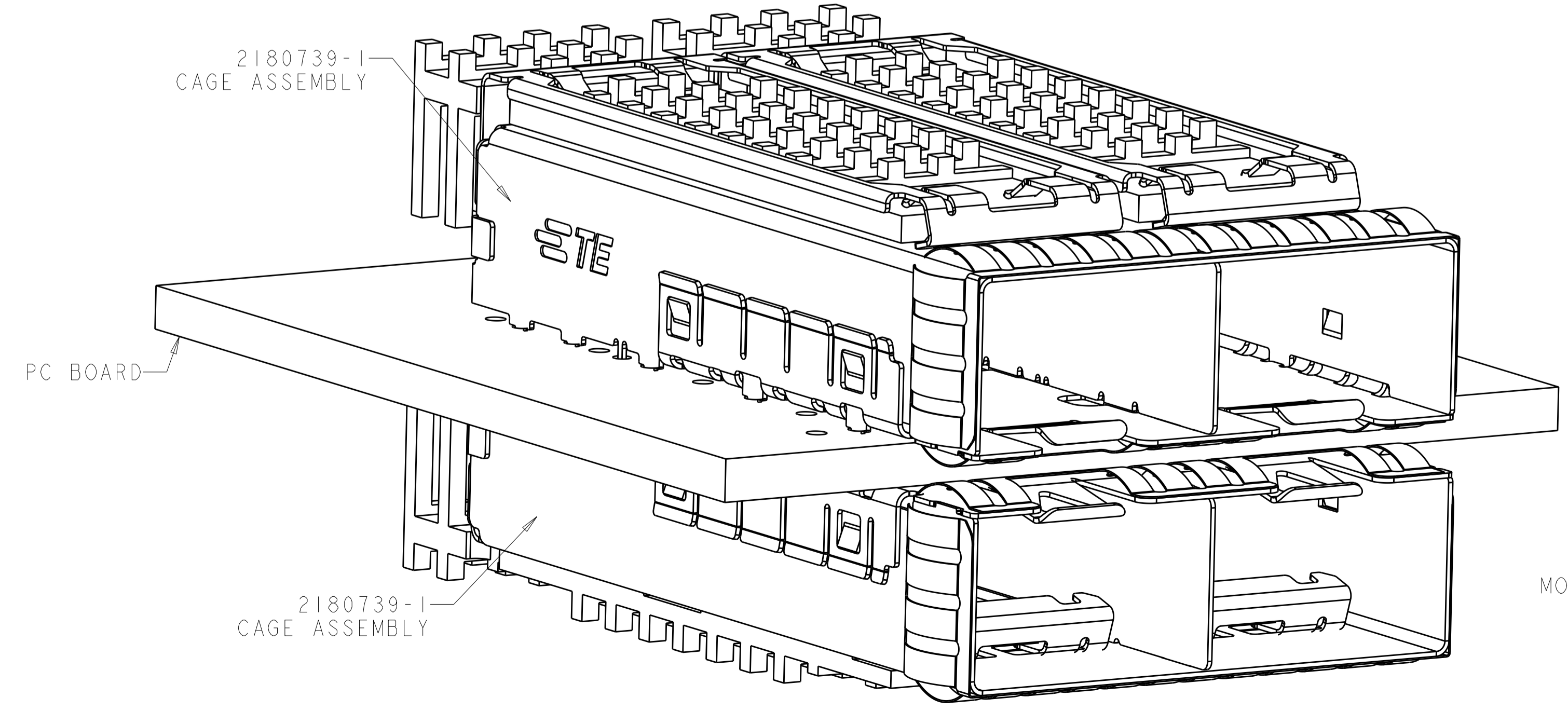
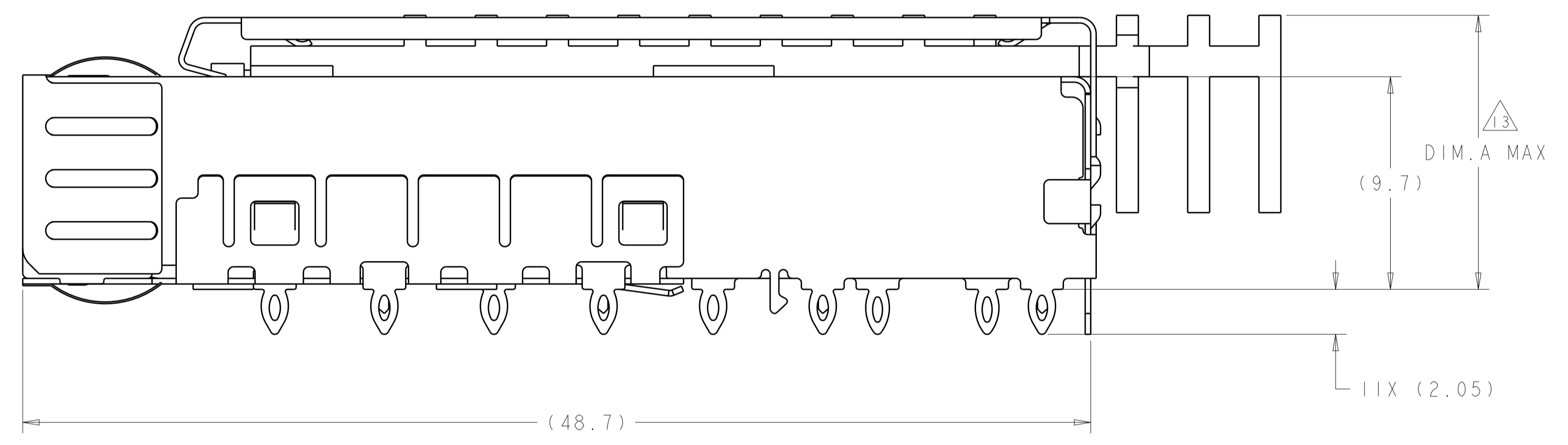
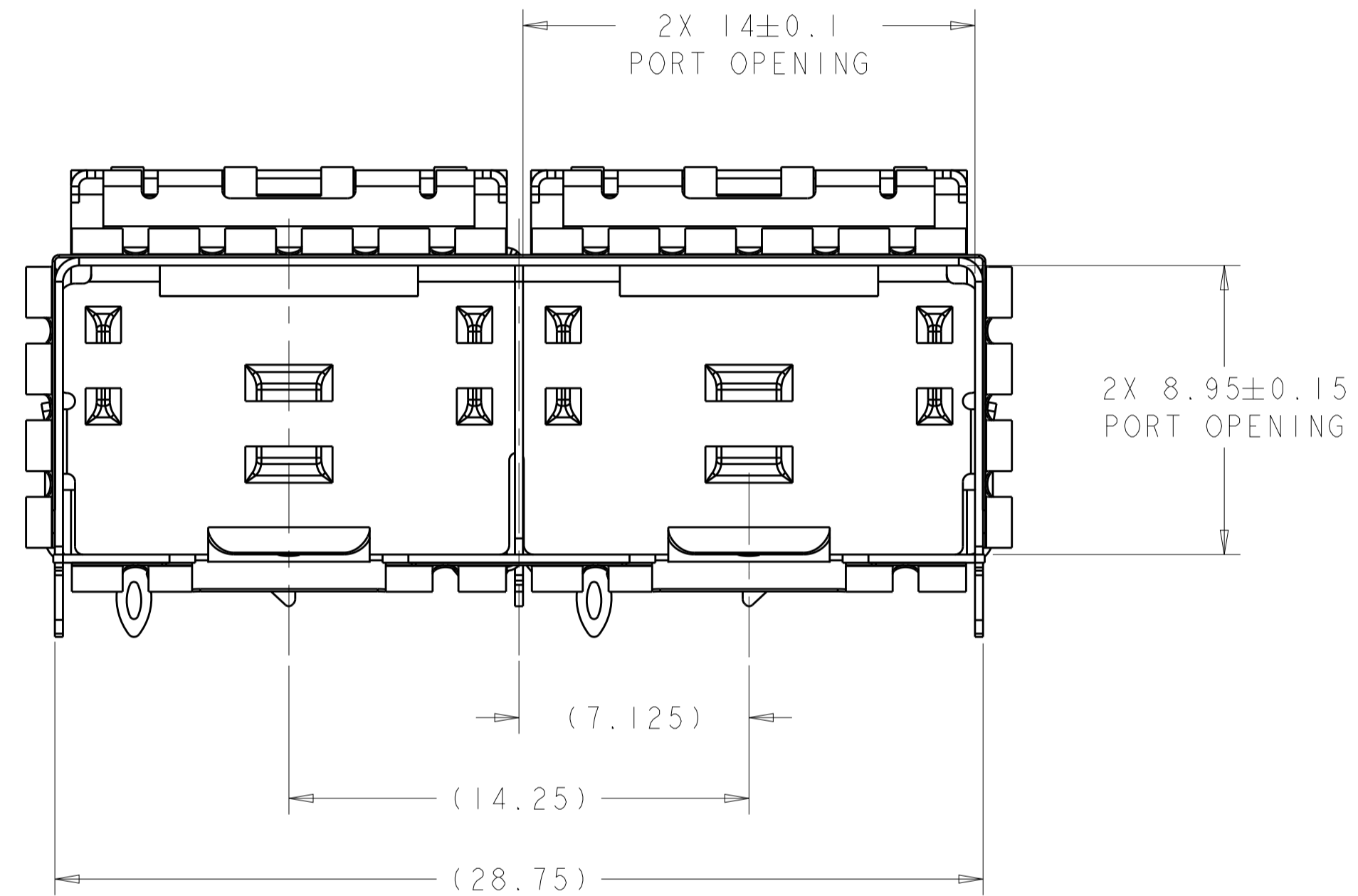
LOC	DIST	REVISIONS					
GP	00	P	LTN	DESCRIPTION	DATE	DWN	APVD
		A		PRODUCTION RELEASE	29FEB2016	JW	SH



2170190-1
SCALE 5:1

- △ MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
EMI SPRINGS: COPPER ALLOY
HEAT SINK: ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL.
- △ FINISH:
2170190-1/-2 HEAT SINK: HARD ANODIC COATING
2170190-3 HEAT SINK: BLACK ANODIZE
HEAT SINK CLIP: PASSIVATE.
- △ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- △ PADS AND VIAS CHASSIS GROUND.
- 5. MATES WITH SFP MSA COMPLIANT RECEIVERS.
- 6. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OR ASME Y14.5M-1994.
- △ MINIMUM PC BOARD THICKNESS:
SINGLE SIDED: 1.5mm
DOUBLE SIDED: 2.25
- △ HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm.
- △ REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- △ REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 11. CERTAIN MATING TRANCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD NEED TO BE DETERMINED BY THE CUSTOMER.

- 12. PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.
- △ 13. DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE.
- △ 14. PRELIMINARY PART, NO RELEASED TO MASS PRODUCTION

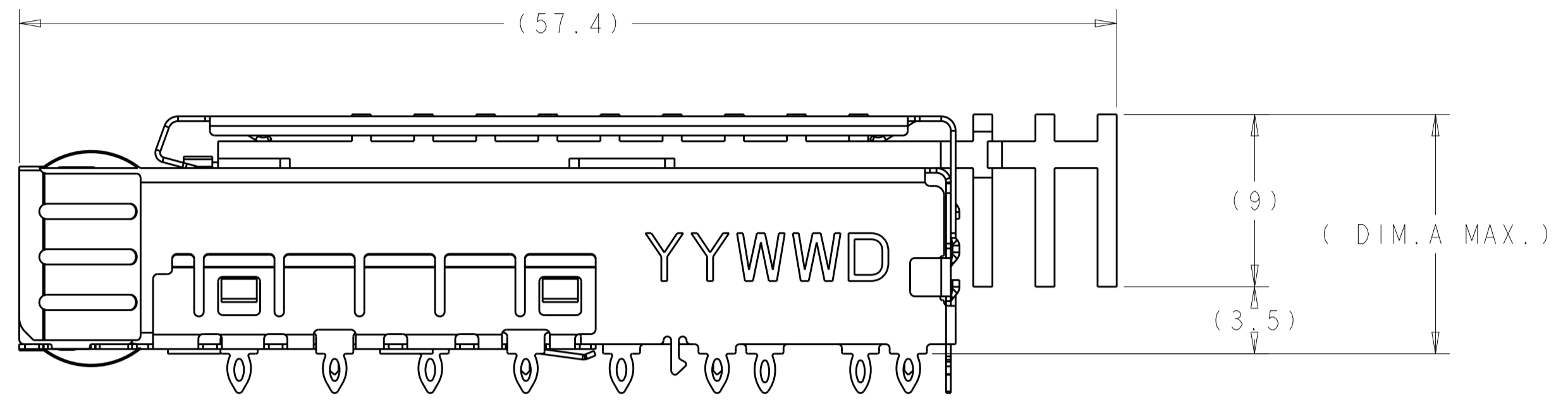


2180739-1
MOUNTED BELLY TO BELLY
SCALE 5:1

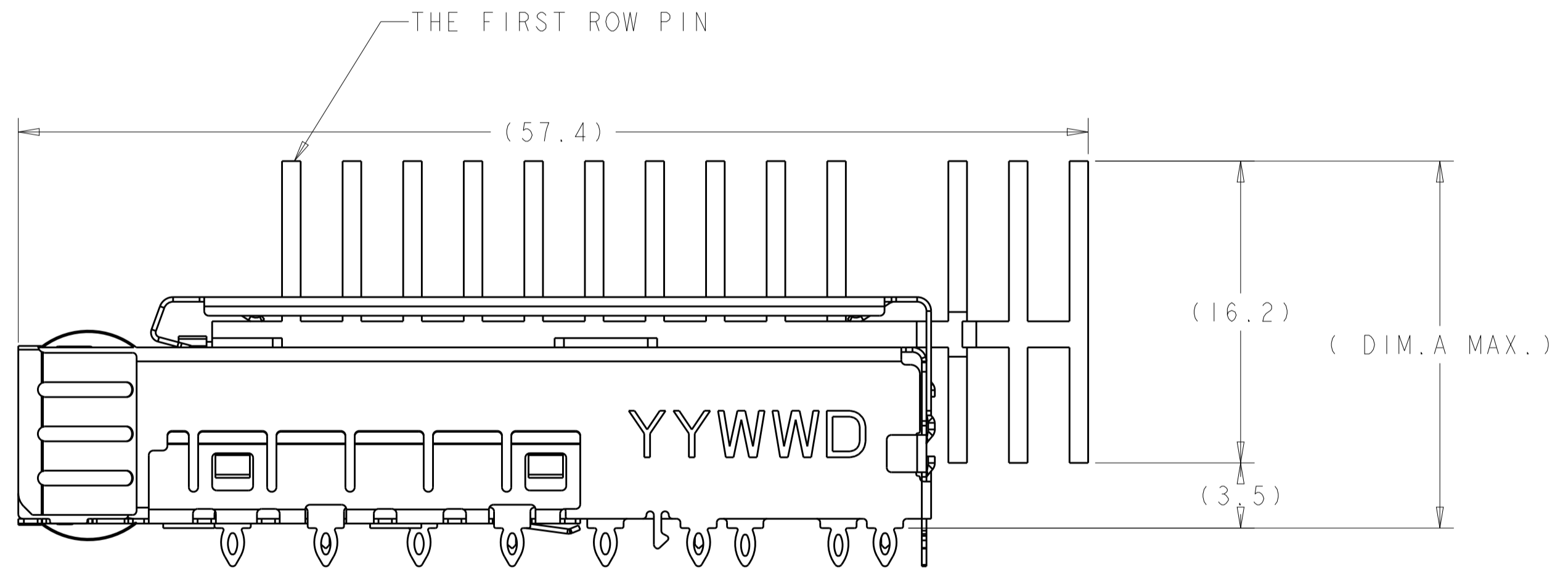
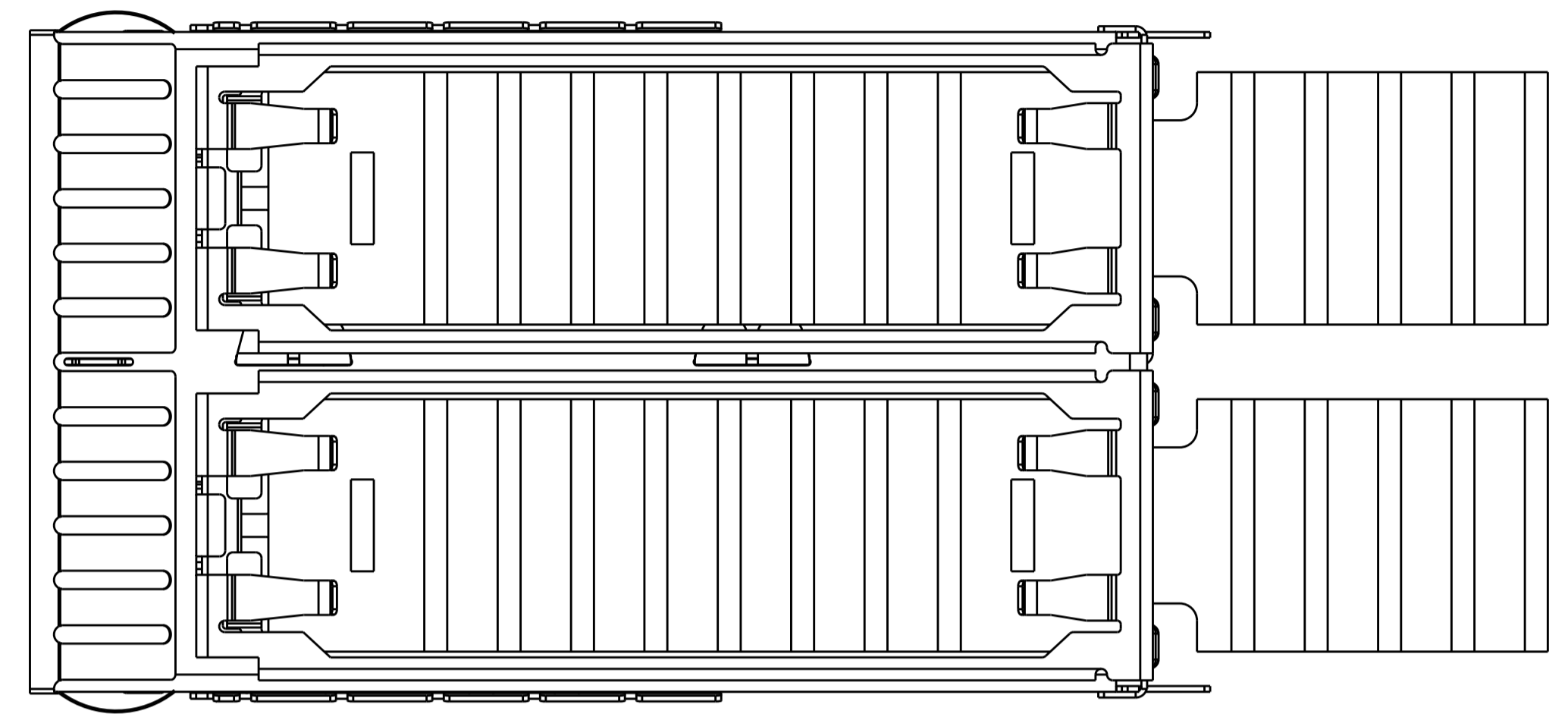
△ 13.10 MAX. (WORKING)	FIN TYPE	HEAT SINK W/ THE FRIST ROW PIN	2170190-3
20.2 Max.	PIN TYPE	HEAT SINK W/ THE FIRST ROW PIN	2170190-2
13 Max.	PIN TYPE	HEAT SINK W/O THE FIRST ROW PIN	2170190-1
A	HEAT SINK	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: TIM XUE 21NOV2011	STE TE Connectivity
DIMENSIONS: mm		CHK: ALEX CAI 21NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: ALEX CAI 21NOV2011	NAME: SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK
0 PLC ±0.13		PRODUCT SPEC: 108-2364	
1 PLC ±0.1		APPLICATION SPEC: 114-13120	SIZE: A100779C=2170190
2 PLC ±0.08		WEIGHT: -	
3 PLC ±0.05		CUSTOMER DRAWING	SCALE: 6:1 SHEET 1 OF 5 REV A
4 PLC ±0.05			
ANGLES ±0.1			
MATERIAL: △			
FINISH: △			

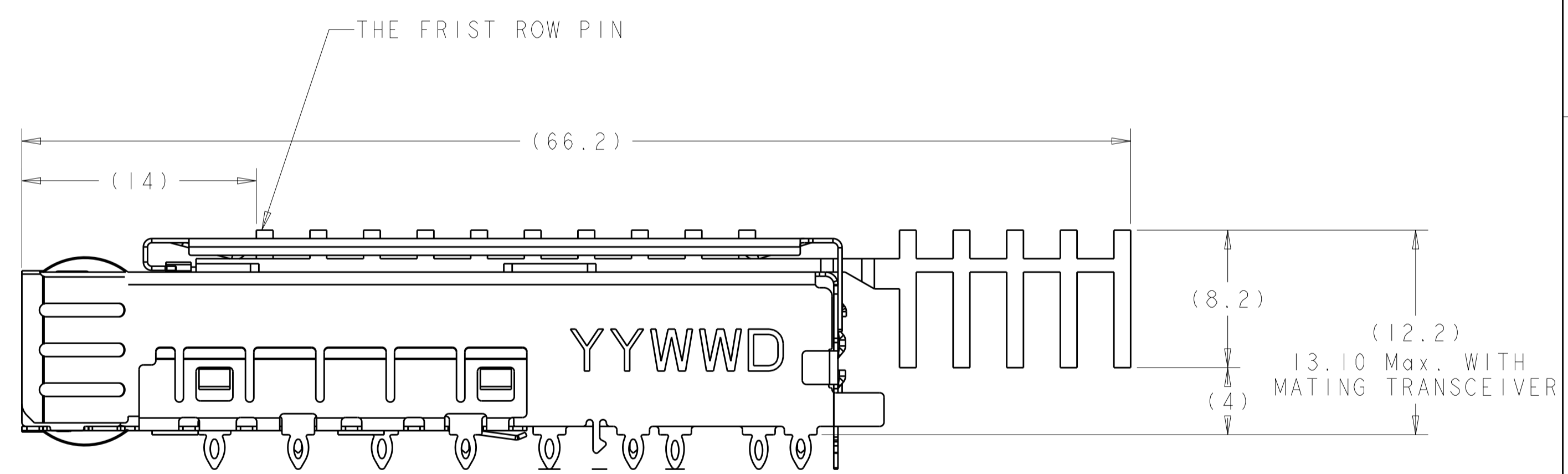
LOC		DIST		REVISONS			
GP	00	P	LYN	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1			



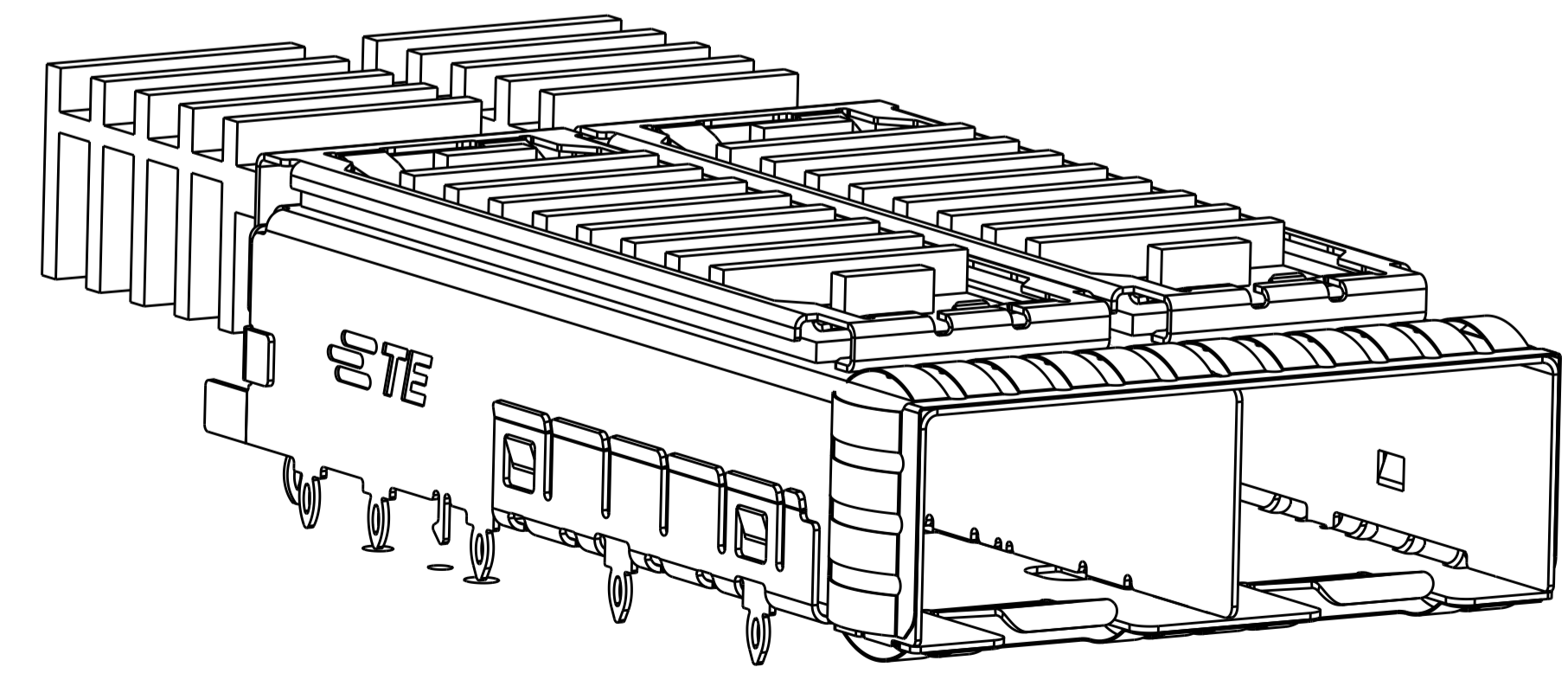
2170190-1 AS SHOWN
HEAT SINK W/O THE FIRST ROW PIN



2170190-2 AS SHOWN



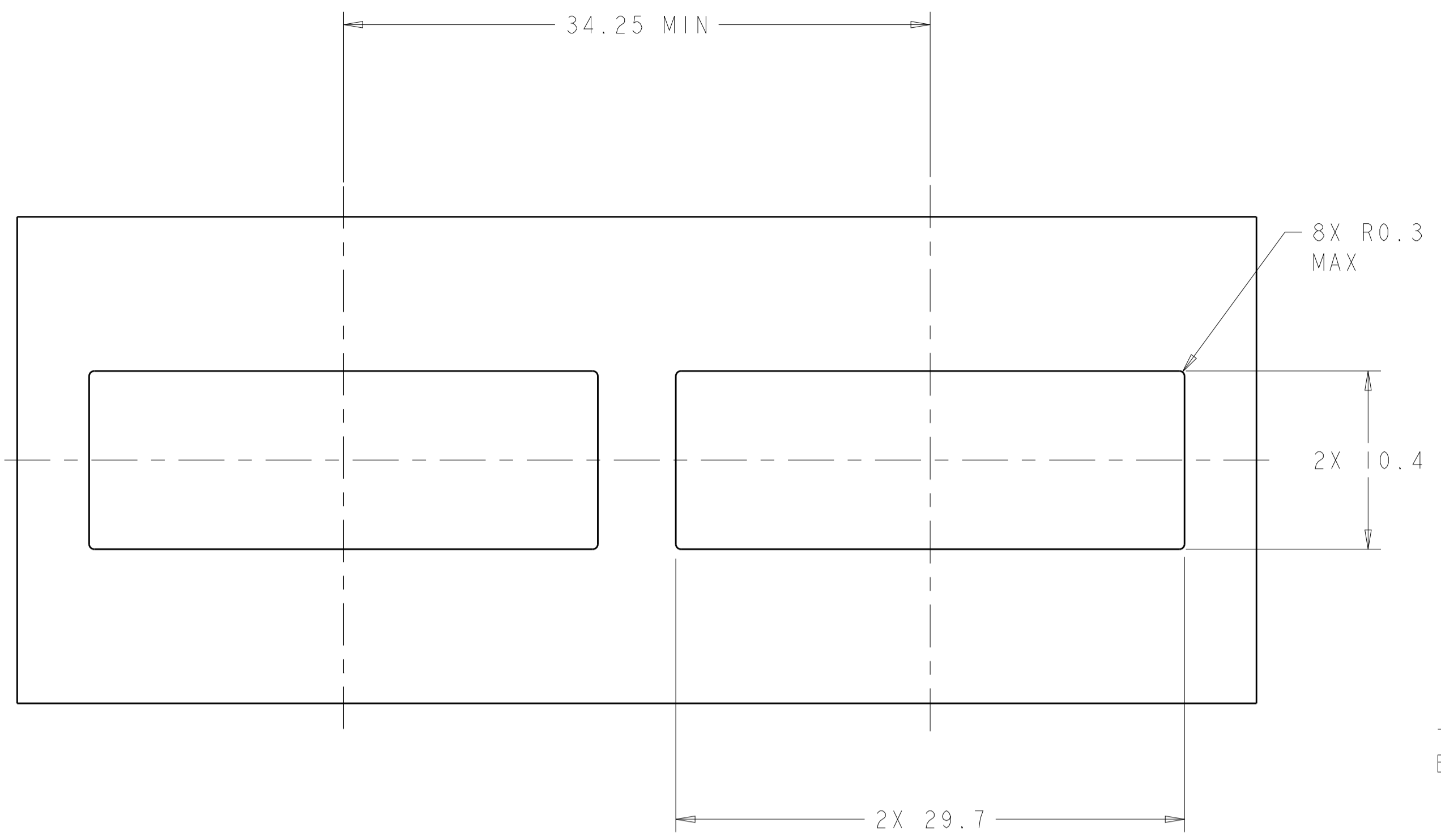
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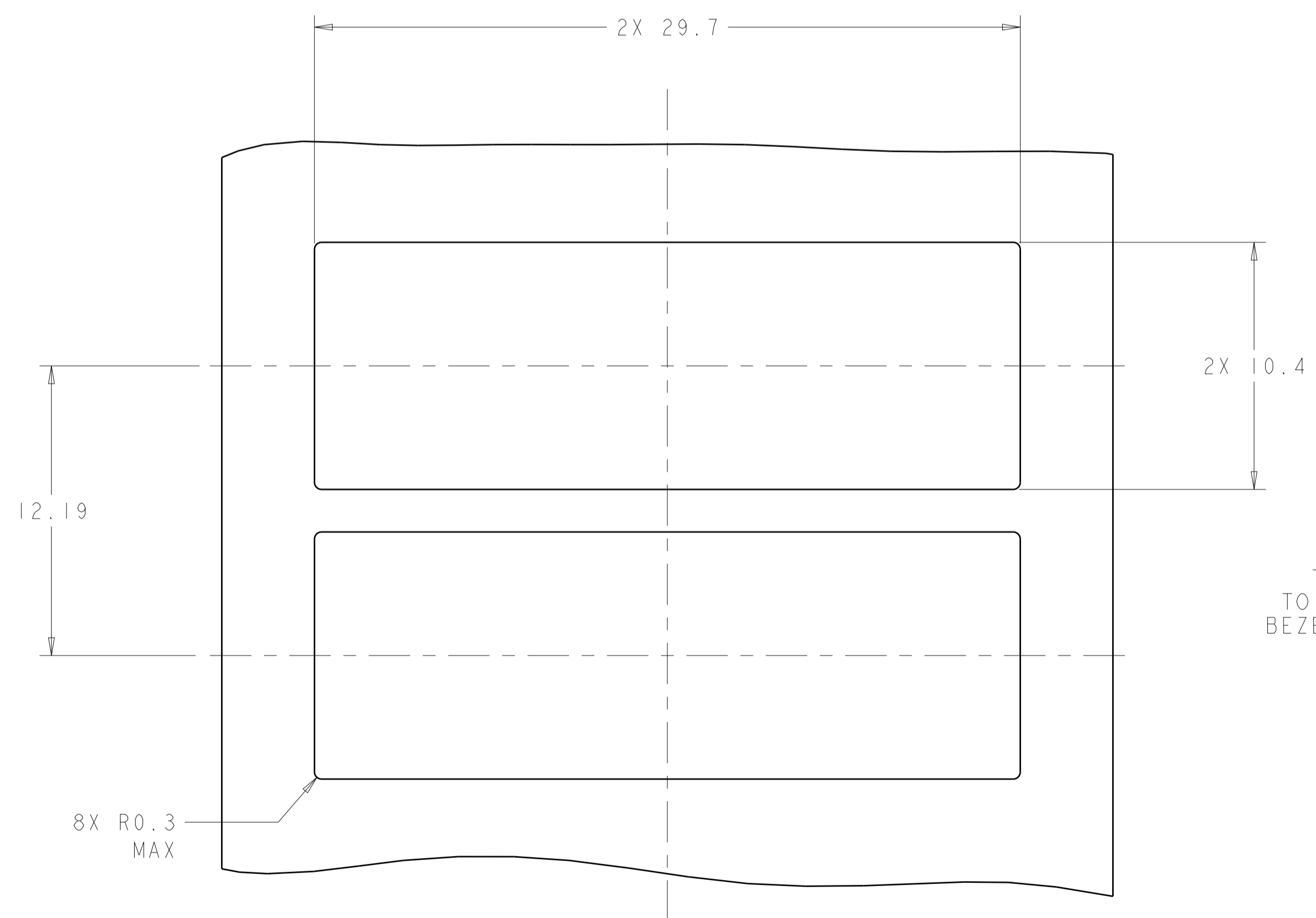
2170190-3 AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: TIM XUE 21NOV2011	TE Connectivity NAME: SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK
DIMENSIONS:		CHK: ALEX CAI 21NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: ALEX CAI 21NOV2011	
mm		PRODUCT SPEC	
0 PLC	±0.13	108-2364	APPLICATION SPEC
1 PLC	±0.1	114-13120	WEIGHT
2 PLC	±0.08		
3 PLC	±0.05		
4 PLC	±0.05		
ANGLES	±0.1		
MATERIAL	FINISH		
CUSTOMER DRAWING		SCALE: 6:1	SHEET 2 OF 5

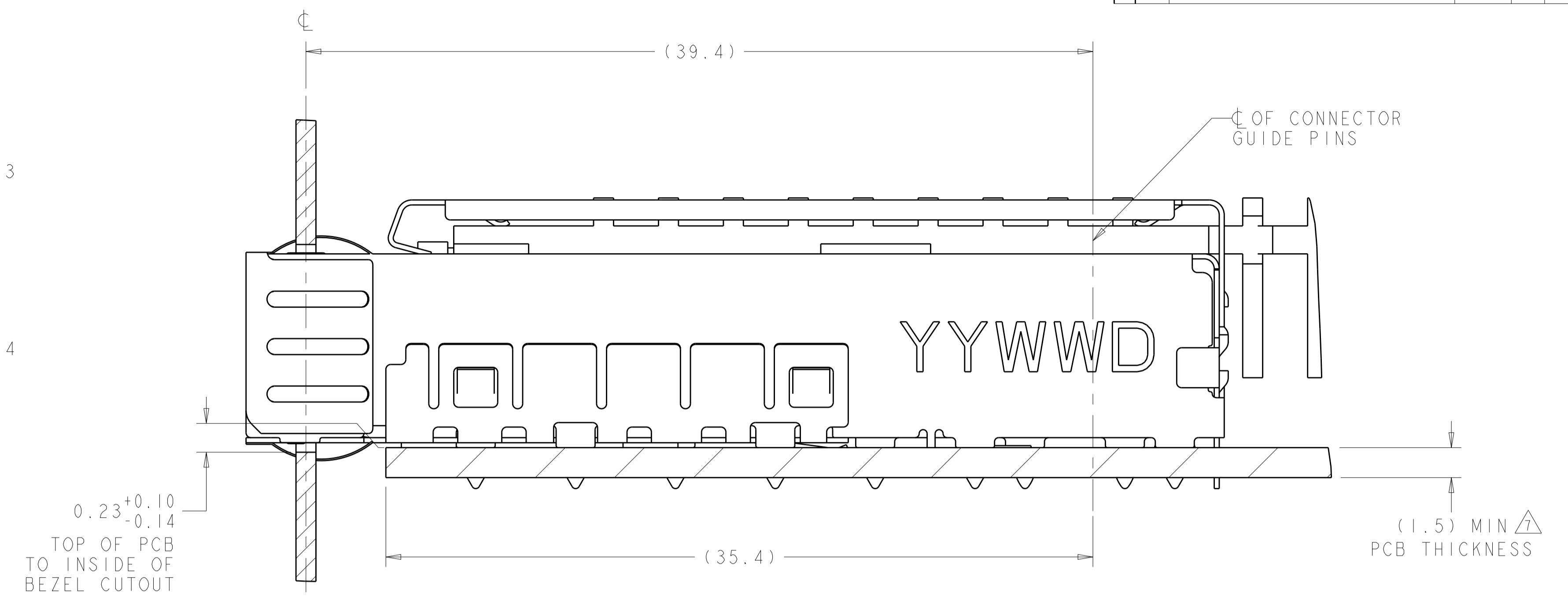
LOC		DIST		REVISIONS				
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD	
-	-	-	-	SEE SHEET 1	-	-	-	



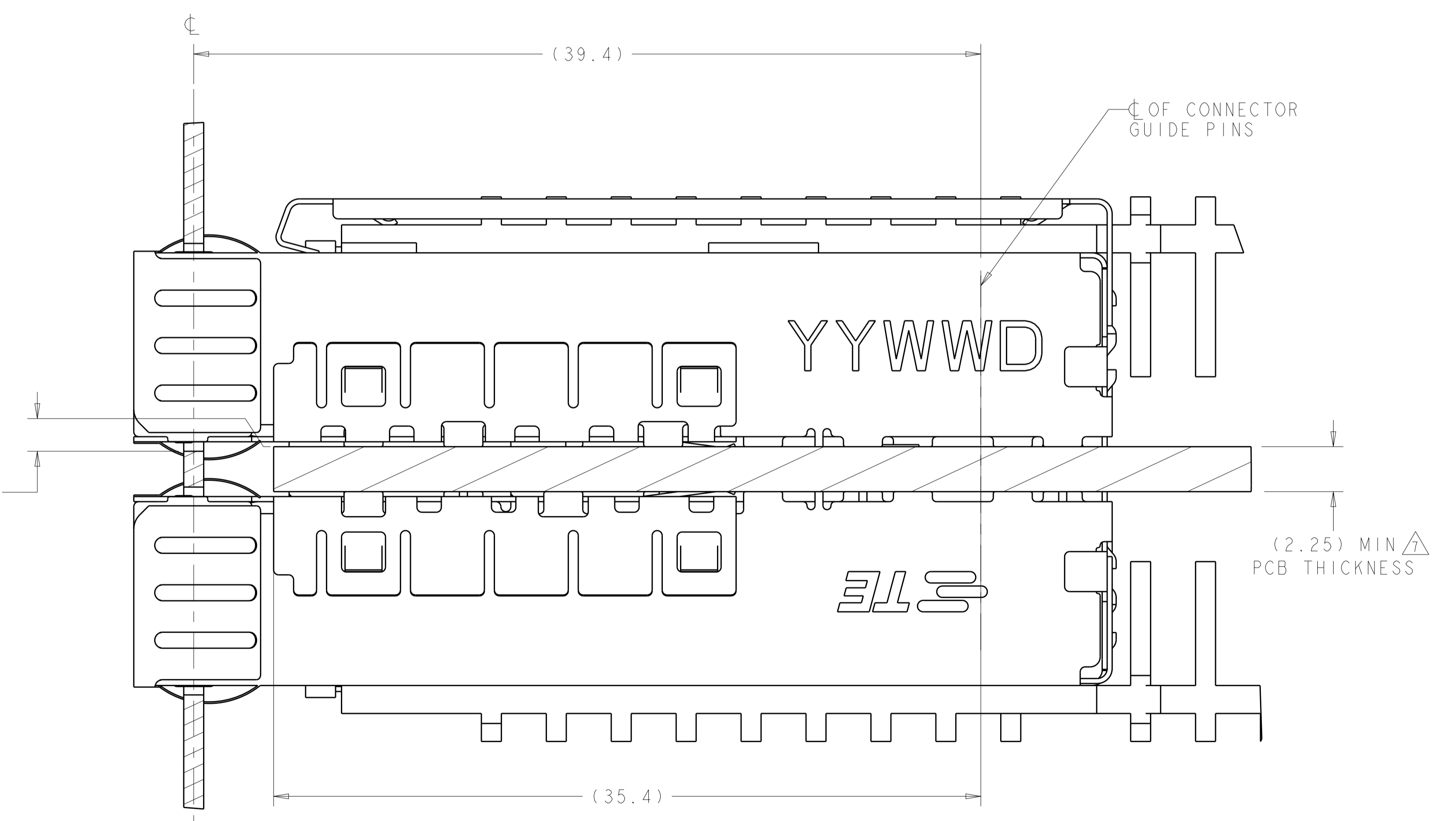
RECOMMENDED BEZEL CUT-OUT
 SINGLE SIDED APPLICATIONS
 SCALE 4:1



RECOMMENDED BEZEL CUT-OUT
 BELLY TO BELLY APPLICATIONS



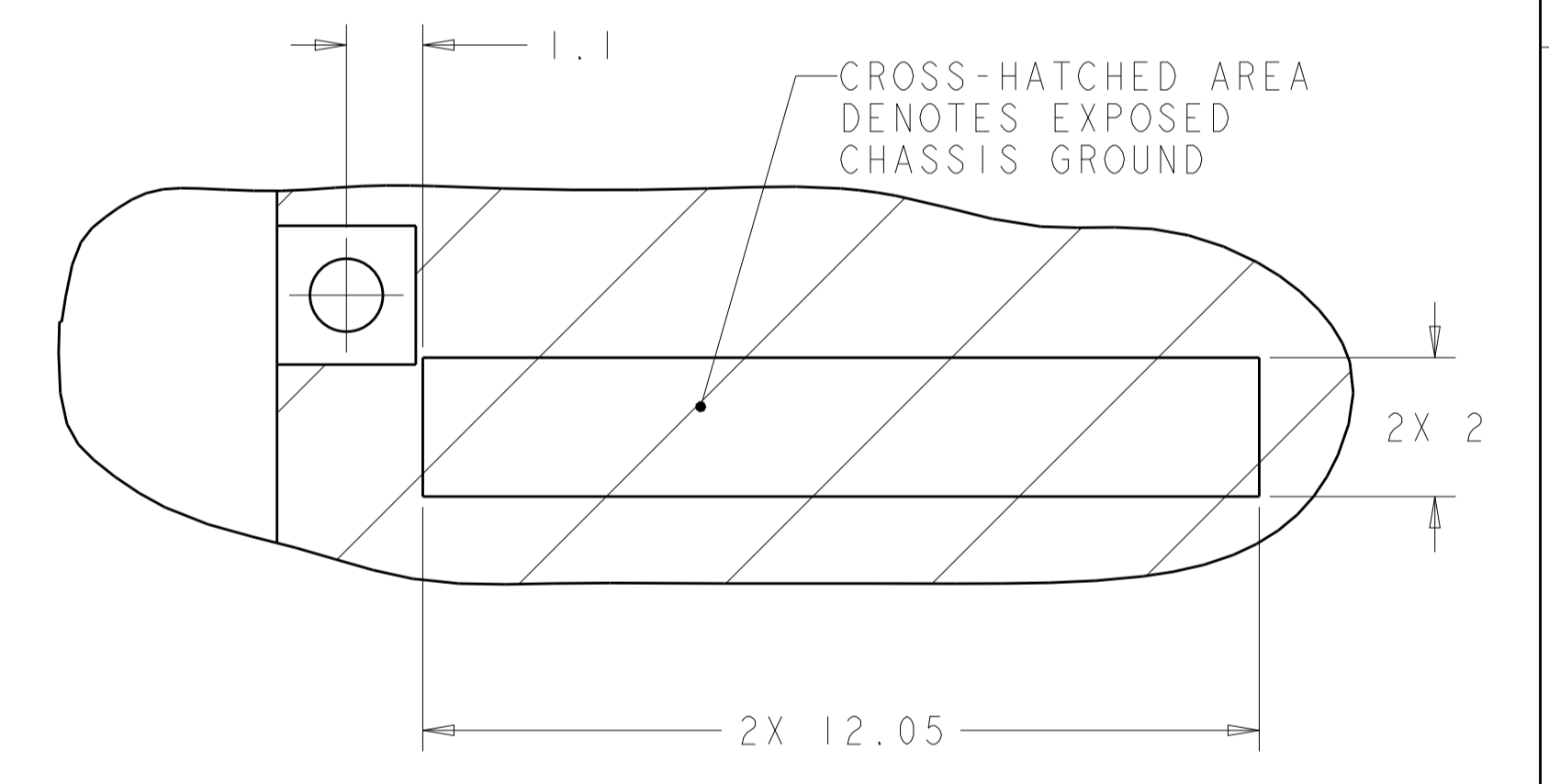
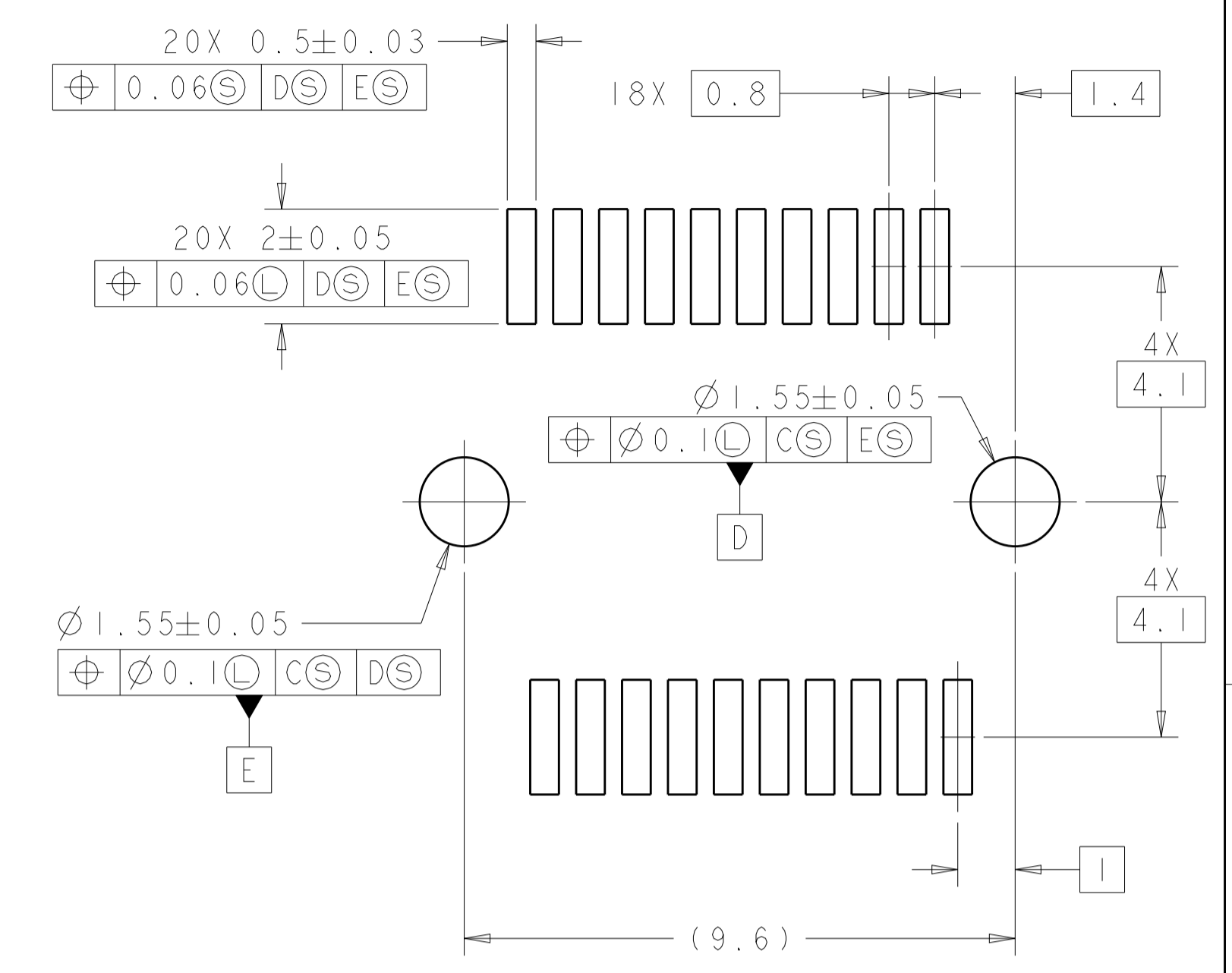
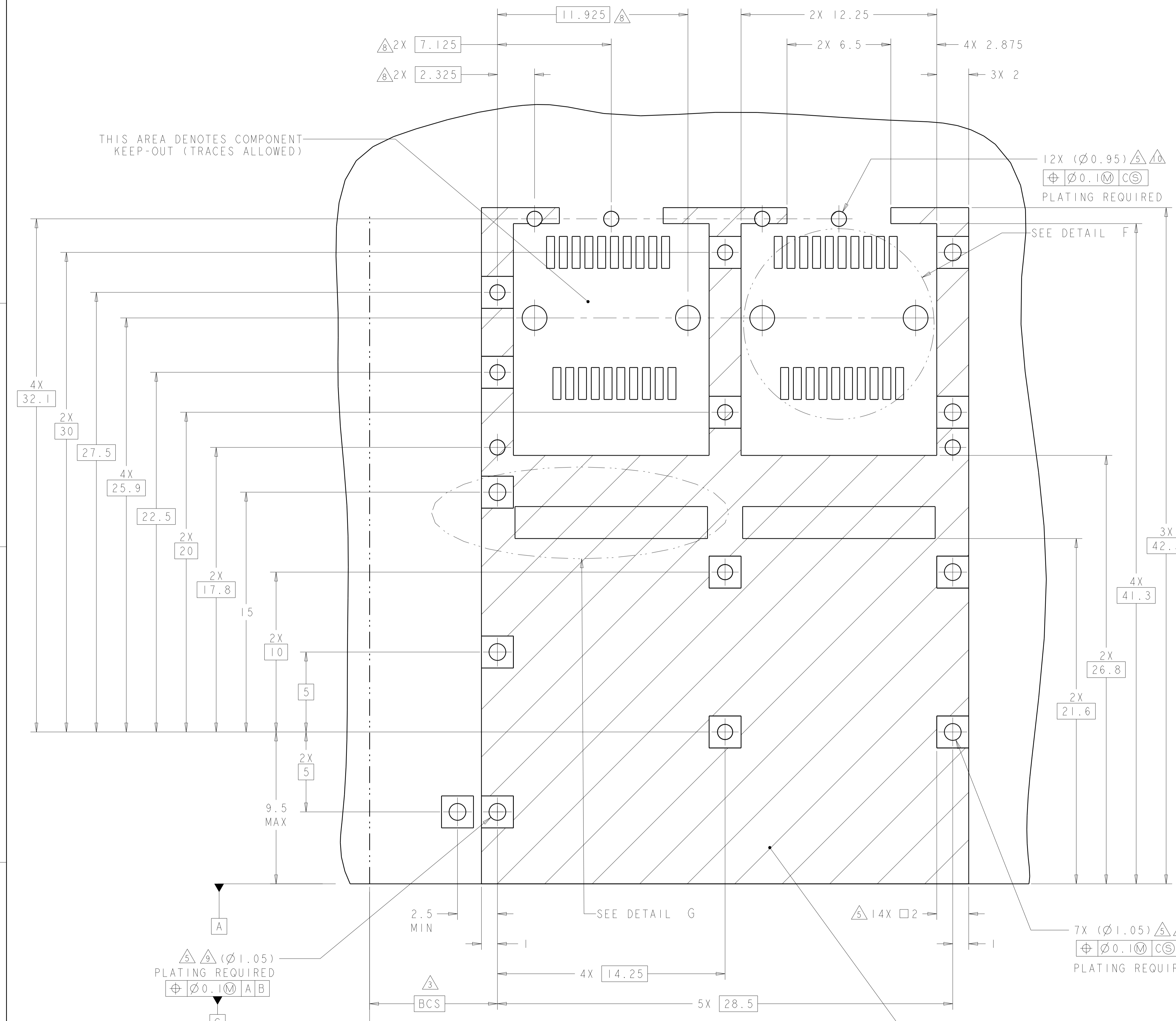
2170190-1
 MOUNTED ON PC BOARD
 SHOWN THRU RECOMMENDED BEZEL



2170190-1
 MOUNTED BELLY TO BELLY ON PC BOARD
 SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN	TIM XUE	21NOV2011	TE Connectivity			
DIMENSIONS:		CHK	ALEX CAI	21NOV2011				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	ALEX CAI	21NOV2011	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK			
mm		PRODUCT SPEC	108-2364					
0 PLC ±0.13 1 PLC ±0.1 2 PLC ±0.08 3 PLC ±0.05 4 PLC ±0.05 ANGLES ±0.5 FINISH #1		APPLICATION SPEC	114-13120		RESTRICTED TO			
MATERIAL		WEIGHT	-		SIZE	CAGE CODE	DRAWING NO	REV
		CUSTOMER DRAWING	A100779		SCALE	6:1	SHEET	3 OF 5
			C=2170190					REV
								A

LOC	DIST	REV	DATE	BY	APPD
GP	00				



THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

12X (Ø0.95) PLATING REQUIRED

SEE DETAIL F

DETAIL F SCALE 10:1

DETAIL G SCALE 10:1

PLATING REQUIRED

PLATING REQUIRED

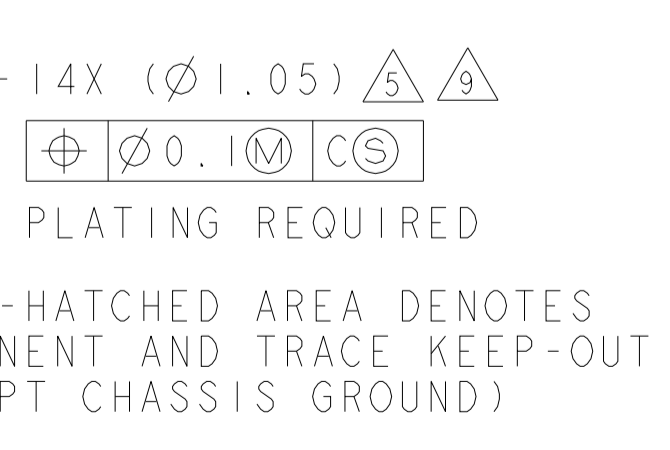
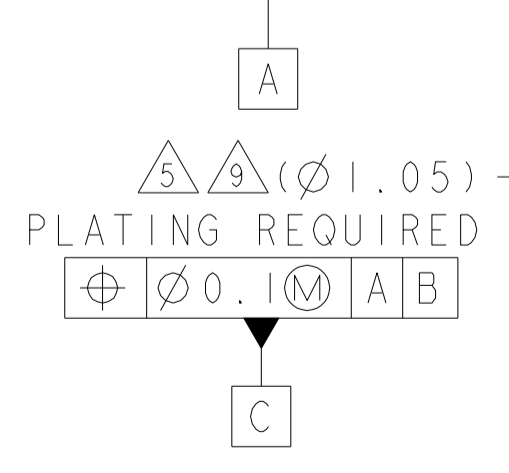
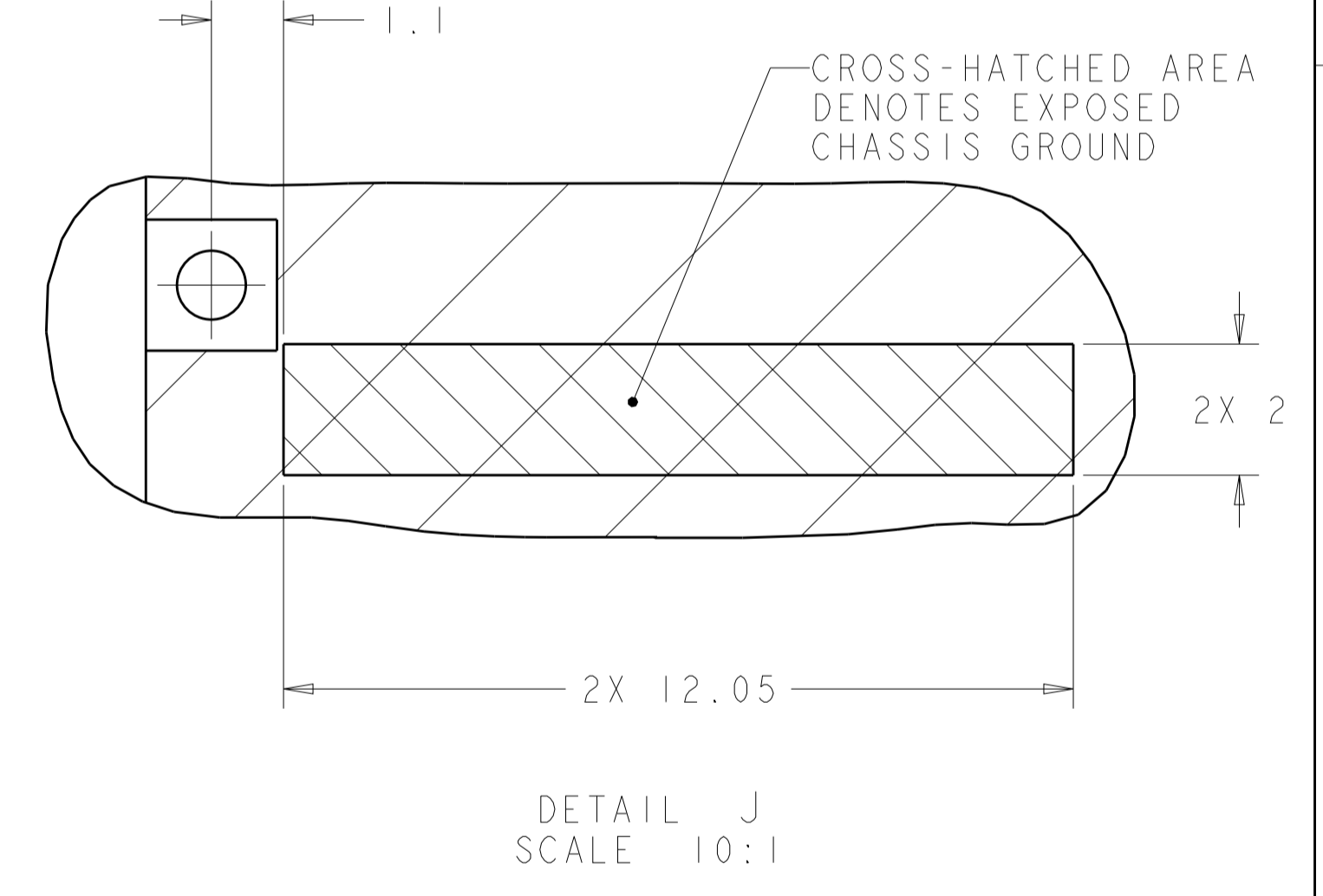
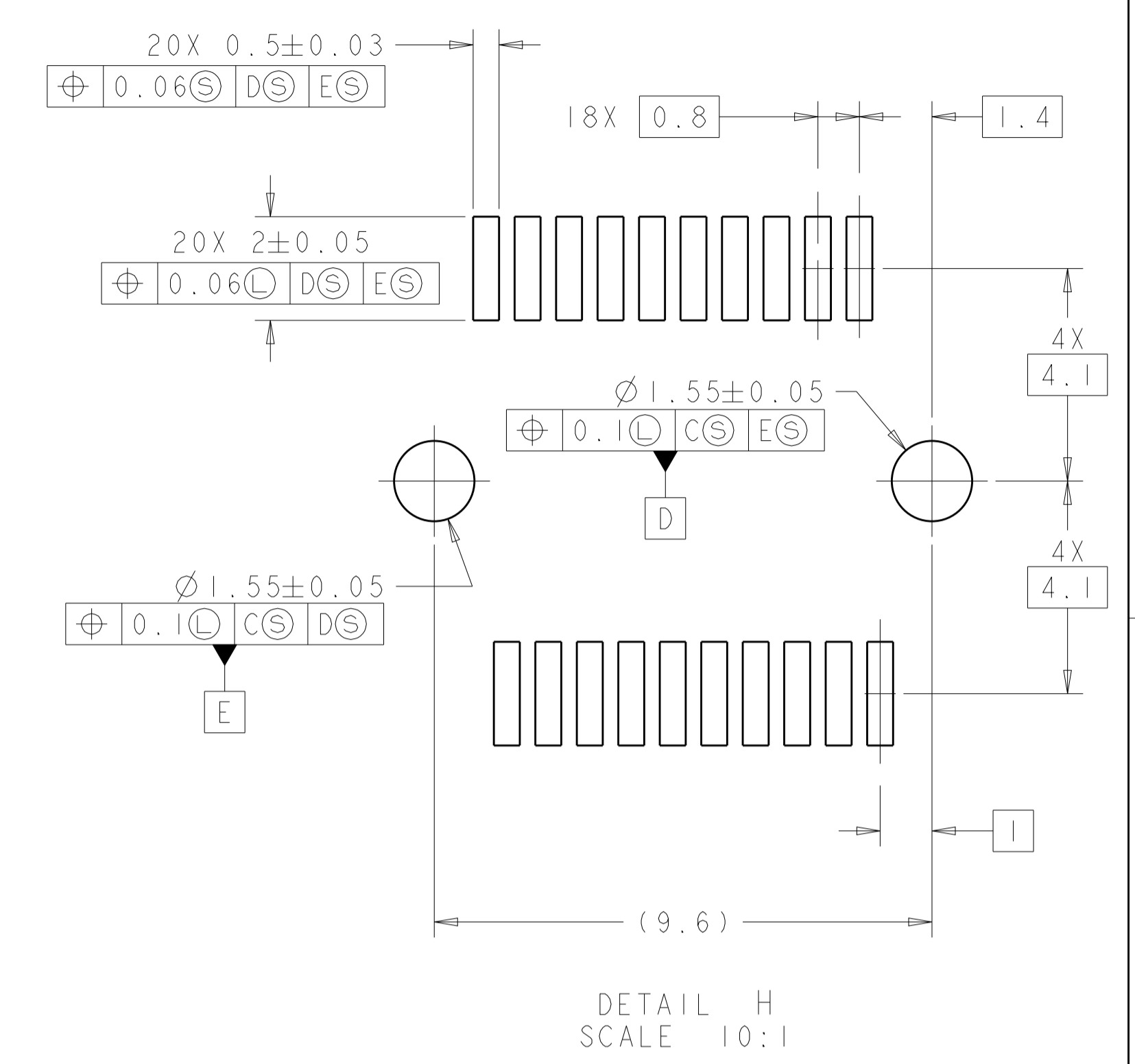
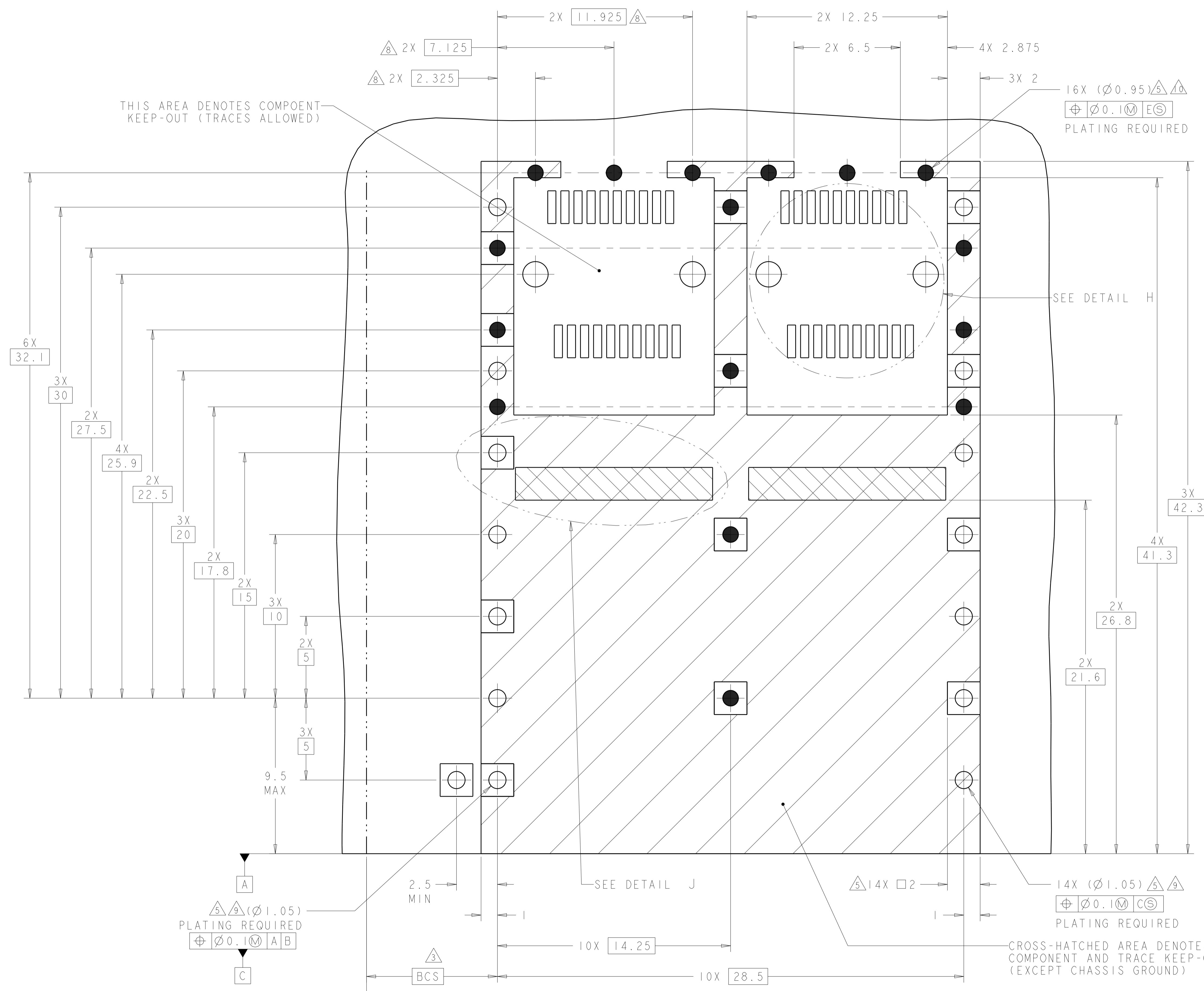
RECOMMENDED PCB CONFIGURATION WITH KEEP-OUT AREAS SINGLE SIDED APPLICATIONS SCALE 8:1

CROSS-HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: TIM XUE 21NOV2011	TE Connectivity
DIMENSIONS: mm		CHK: ALEX CAI 21NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: ALEX CAI 21NOV2011	
0 PLC ±0.13 1 PLC ±0.1 2 PLC ±0.08 3 PLC ±0.05 4 PLC ±0.05 ANGLES ±0.5		NAME: SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 WEIGHT: - CUSTOMER DRAWING	
MATERIAL:	FINISH:	SIZE: A100779	RESTRICTED TO:
		DRAWING NO: C=2170190	
		SCALE: 6:1	SHEET 4 OF 5
			REV A

LOC	DIST	REV	DATE	APPD	REV	DATE	APPD
GP	00						
		DESCRIPTION					
		SEE SHEET 1					

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)



RECOMMENDED PCB CONFIGURATION WITH KEEP-OUT AREAS BELLY TO BELLY APPLICATIONS SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: TIM XUE 21NOV2011	TE Connectivity
DIMENSIONS: mm		CHK: ALEX CAI 21NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD: ALEX CAI 21NOV2011	
0 PLC ±0.13 1 PLC ±0.1 2 PLC ±0.08 3 PLC ±0.05 4 PLC ±0.05 ANGLES ±0.1		NAME: SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 WEIGHT: - CUSTOMER DRAWING	
MATERIAL:	FINISH:	SIZE: CAGE CODE DRAWING NO: A100779C=2170190	RESTRICTED TO: -
		SCALE: 6:1	SHEET 5 OF 5 REV A