

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
9		REVISED	18SEP2013	BL	AC
10		REVISED	20NOV2013	BL	JY
11		ADD 2170207-4	6MAY2015	RG	SH

NOTES,UNLESS OTHERWISE SPECIFIED:

△1 MATERIAL:
TOP CAGE: NICKEL SILVER,0.25MM THICK
BOTTOM CAGE: STAINLESS STEEL, 0.25MM THICK
HEAT SINK: ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL
EMI SPRING: COPPER ALLOY
GASKET RETENTION PLATE: STAINLESS STEEL
EMI GASKET: CONDUCTIVE RUBBER, UL 94V-0 RATED.

△2 PITCH BETWEEN PORTS OF ONE 1X6 CAGE ASSEMBLY.

△3 SPACING BETWEEN CAGES ON THE SAME PC BOARD,
TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH
MINIMUM DIMENSIONS SHOWN.

△4 REFERENCE APPLICATION SPEC 114-13217 FOR
RECOMMENDED DRILL HOLE DIAMETER AND PLATING
THICKNESS.

△5 DATUMS AND BASIC DIMENSIONS ESTABLISHED BY
CUSTOMER.

△6 DIMENSION F IS THE NOMINAL THICKNESS OF CUSTOMER
SUPPLIED PC BOARD,
SINGLE SIDED PC BOARD MIN THICKNESS:1.45MM.
DOUBLE SIDED PC BOARD MIN THICKNESS:3.0MM.

△7 HEAT SINKS AND CLIP SHIPPED
ASSEMBLED TO CAGE ASSEMBLY.

△8 DATUM -A- IS TOP SURFACE OF PC BOARD.

△9 DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.

△10 UNPLATED THRU HOLES

△11 MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.

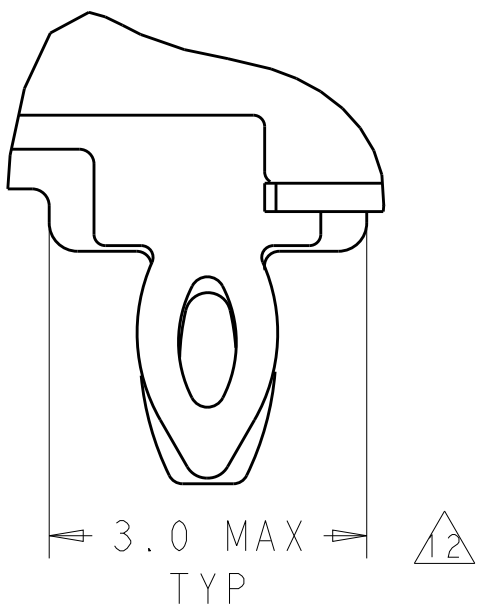
△12 SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE
CAGE STANDOFFS, SHOWN IN DETAIL S , CONTACT PC BOARD.

△13 BASELINE FOR THESE DIMENSIONS IS THE CENTER OF
COMPLIANT PIN HOLE.

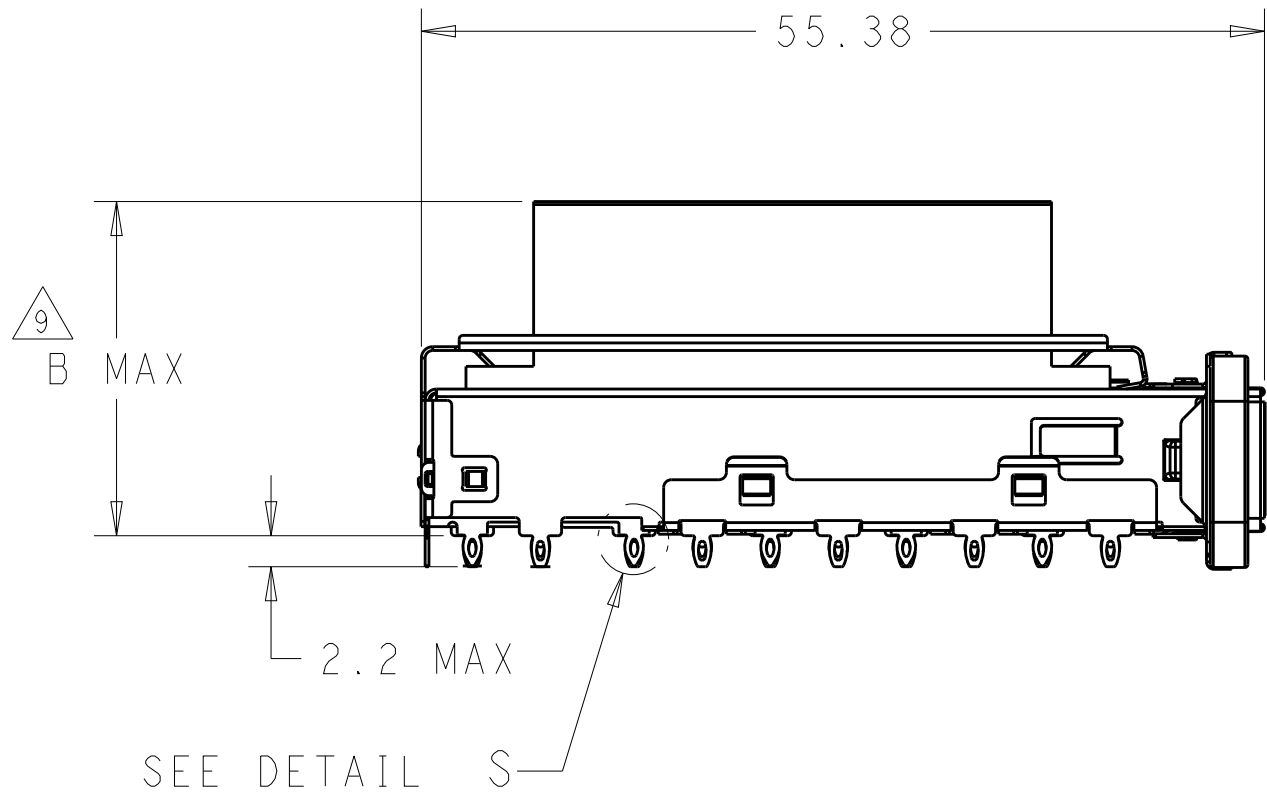
△14 DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND
CONCEALED BY HEAT SINKS APPLIES TO CAGE ASSEMBLY ONLY.

△15 REFERENCE APP SPEC 114-13217 FOR GASKET THICKNESS
CALCULATION.

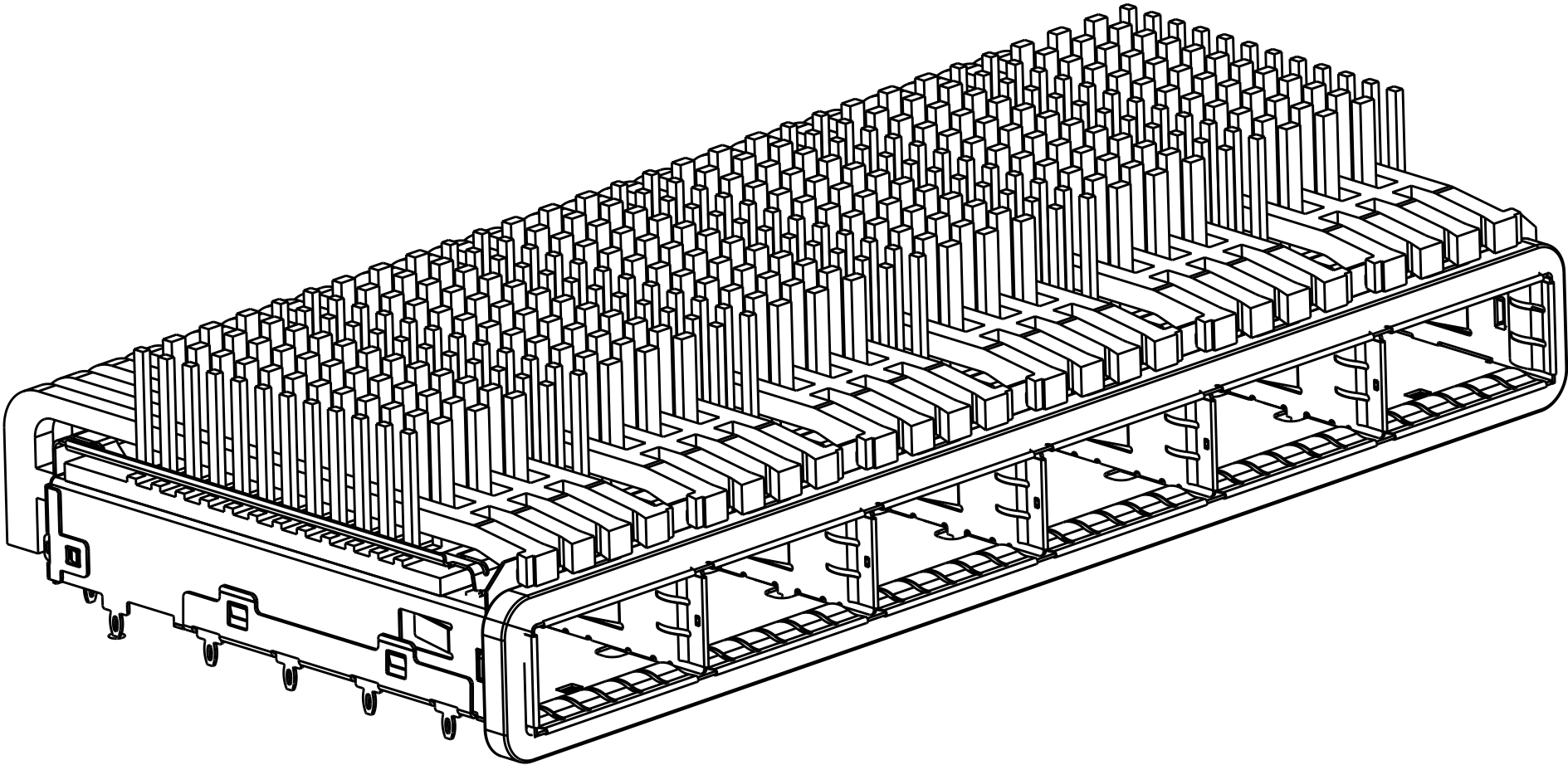
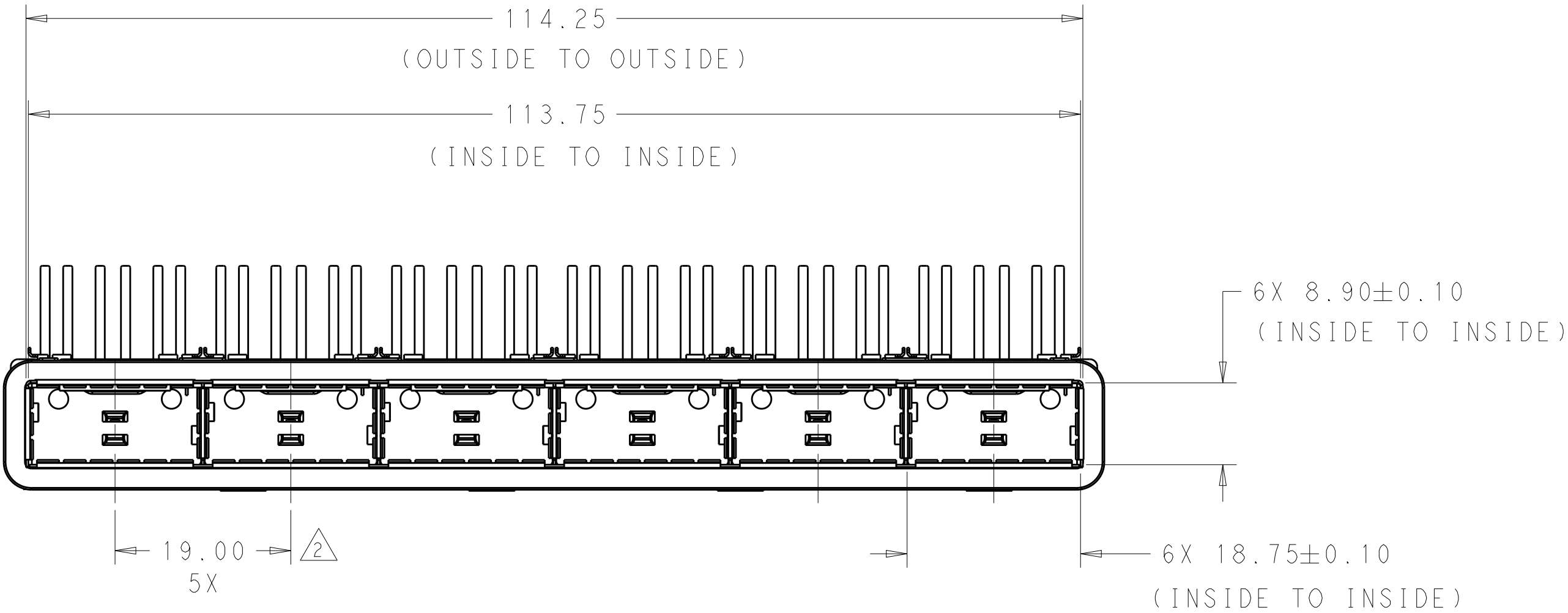
△16 FINISH:
EMI SPRING: 2um MINIMUM TIN.
HEAT SINK: NICKEL PLATING.



DETAIL S
SCALE 15:1



SCALE 2:1

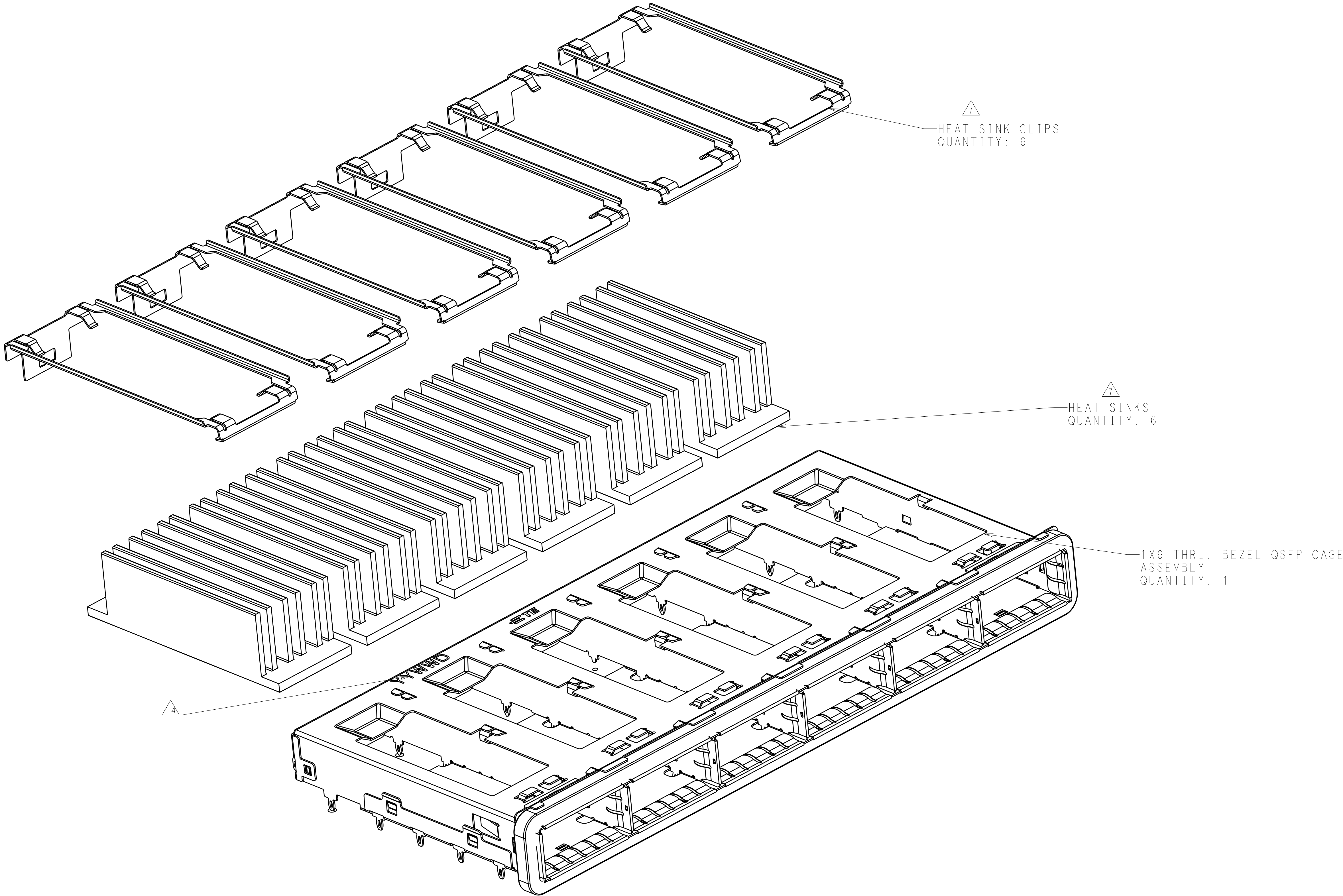


2170207-4
SCALE 2:1

WITH	23.0	Networking pin type	2170207-4
WITHOUT	23.0	Networking FIN TYPE	2170207-3
WITHOUT	16.0	SAN FIN TYPE	2170207-2
WITHOUT	13.7	PCI FIN TYPE	2170207-1
LIGHT PIPE	DIM.B	HEAT SINK	PART NUMBER

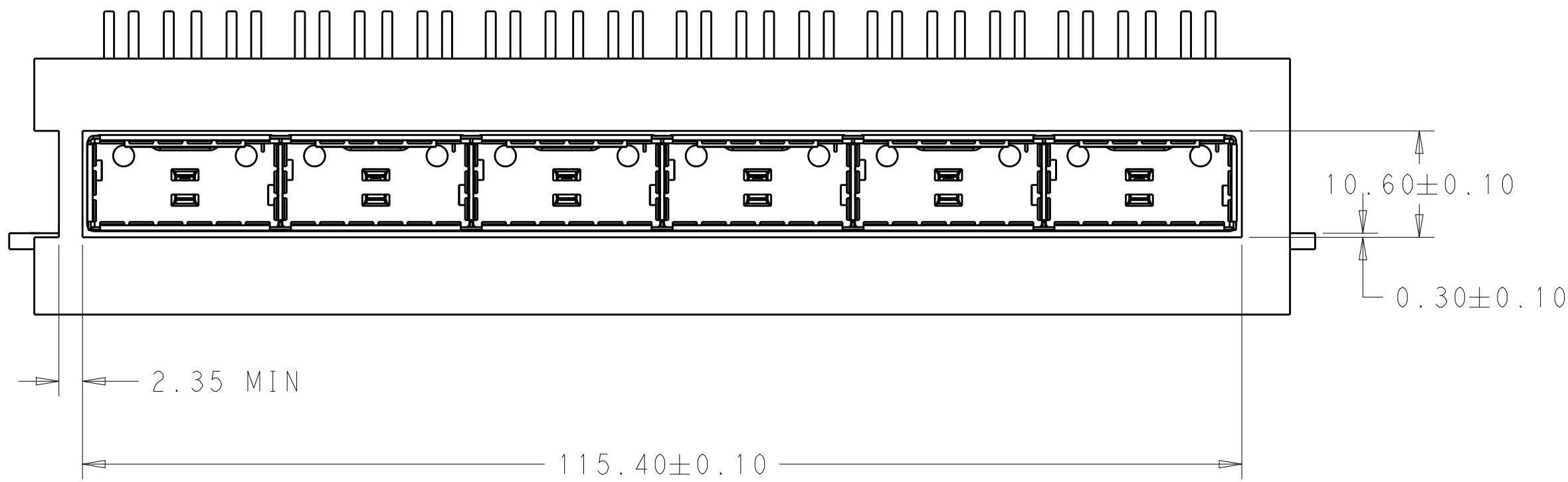
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROBERT GAN 15NOV2012	TE Connectivity	
		CHK JASON YANG 15NOV2012		
		APVD ALEX CAI 15NOV2012	NAME	
DIMENSIONS:		PRODUCT SPEC	1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK	
mm		108-2286		
		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO	
		114-13217	A100779C=2170207	
MATERIAL		WEIGHT	RESTRICTED TO	
-		-	-	
		Customer Drawing	SCALE 1:1 SHEET 1 OF 6 REV 12	

REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
-	-	SEE SHEET 1	-	-	-

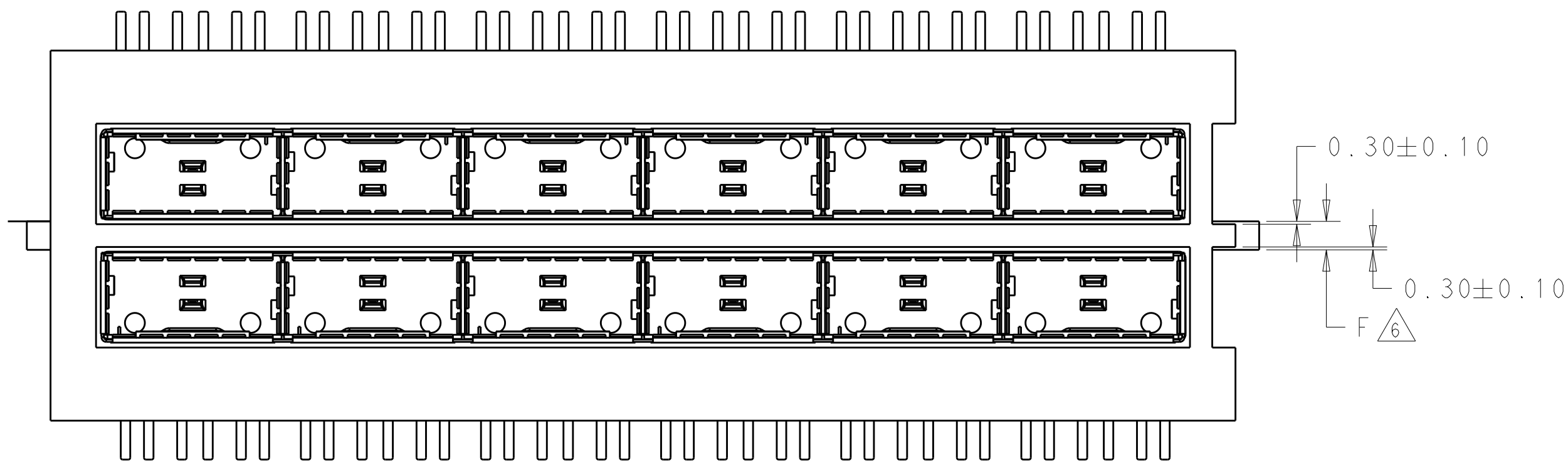


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: ROBERT GAN 15NOV2012		
		CHK: JASON YANG 15NOV2012		
		APVD: ALEX CAI 15NOV2012	NAME: 1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE: A1
mm		0 PLC ±.2		CAGE CODE: 00779
		1 PLC ±0.2		DRAWING NO: C=2170207
		2 PLC ±0.20		RESTRICTED TO: -
		3 PLC ±.		SCALE: 1:1
		4 PLC ±.		SHEET: 2 OF 6
		ANGLES ±.		REV: 12
MATERIAL: -		WEIGHT: -		Customer Drawing

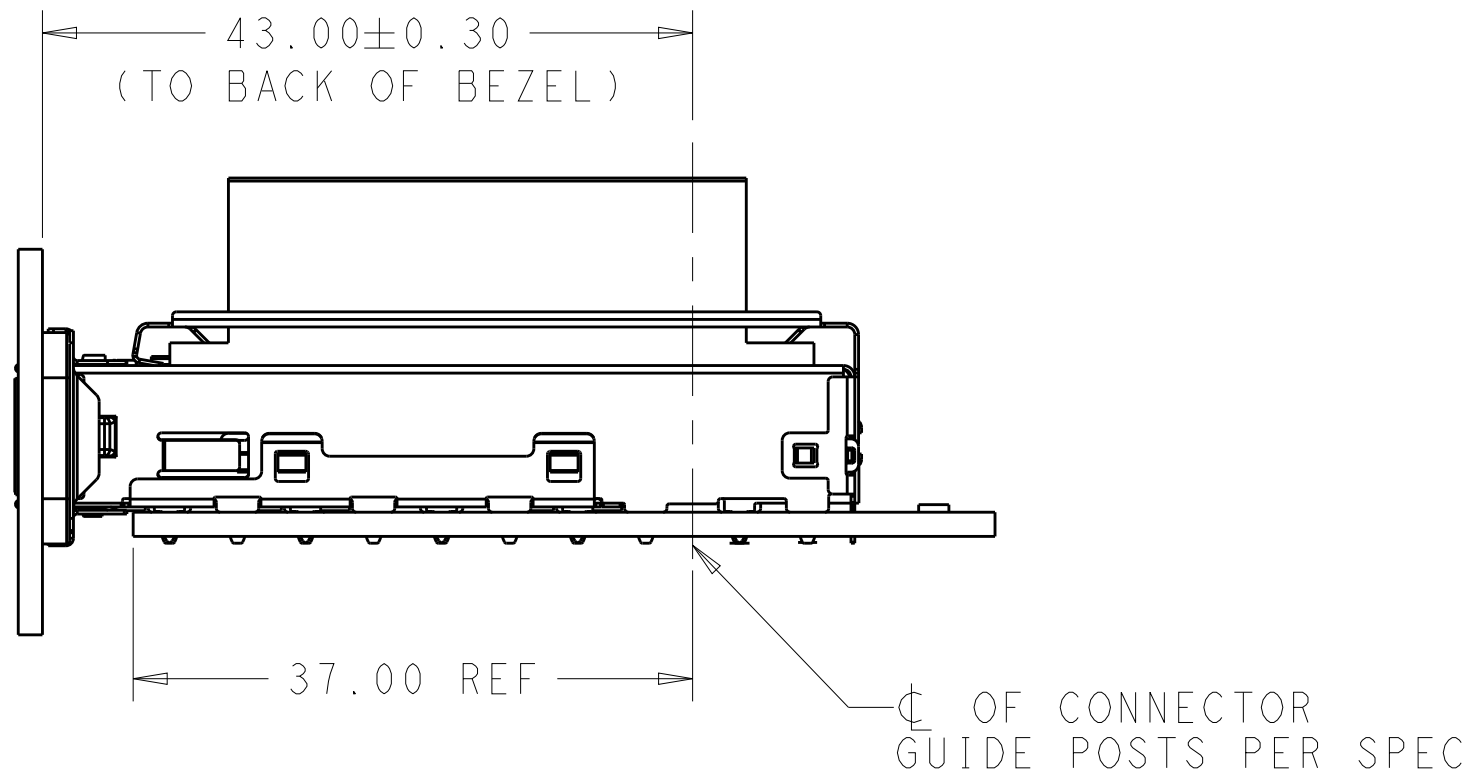
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



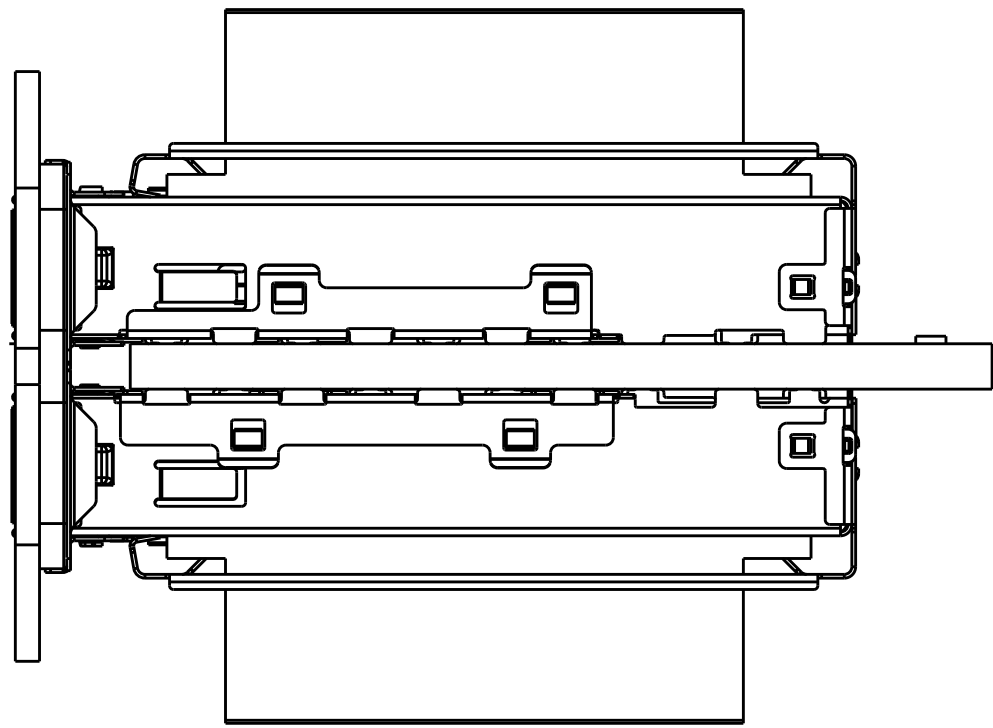
ONE SIDED CONFIGURATION



BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED



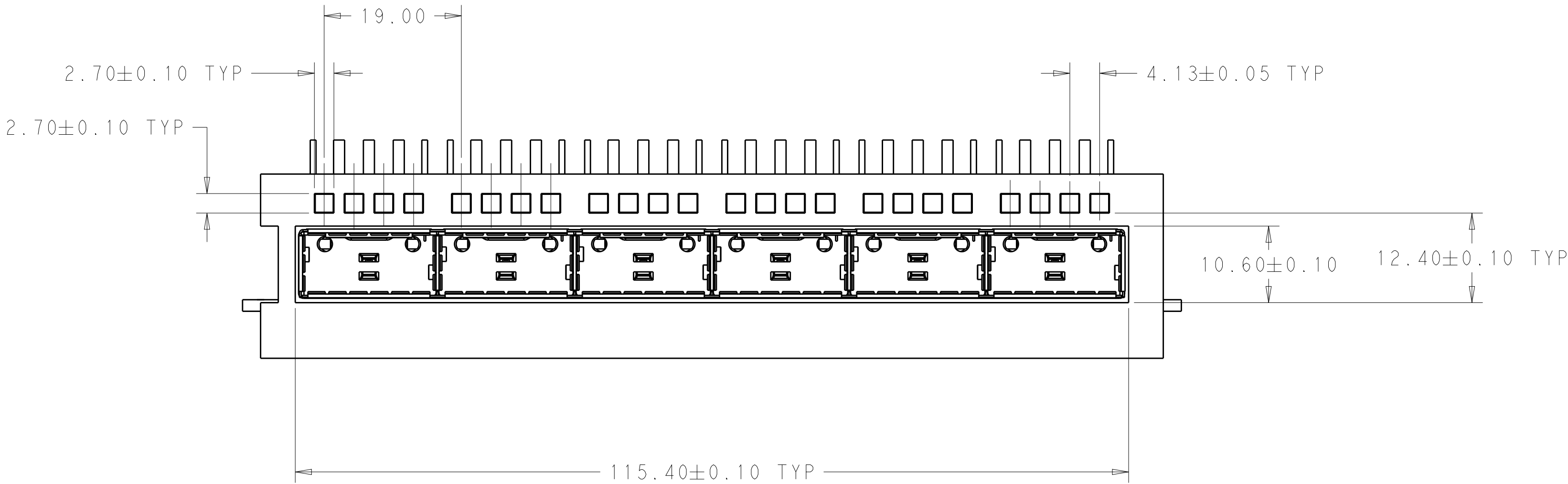
SCALE 2:1



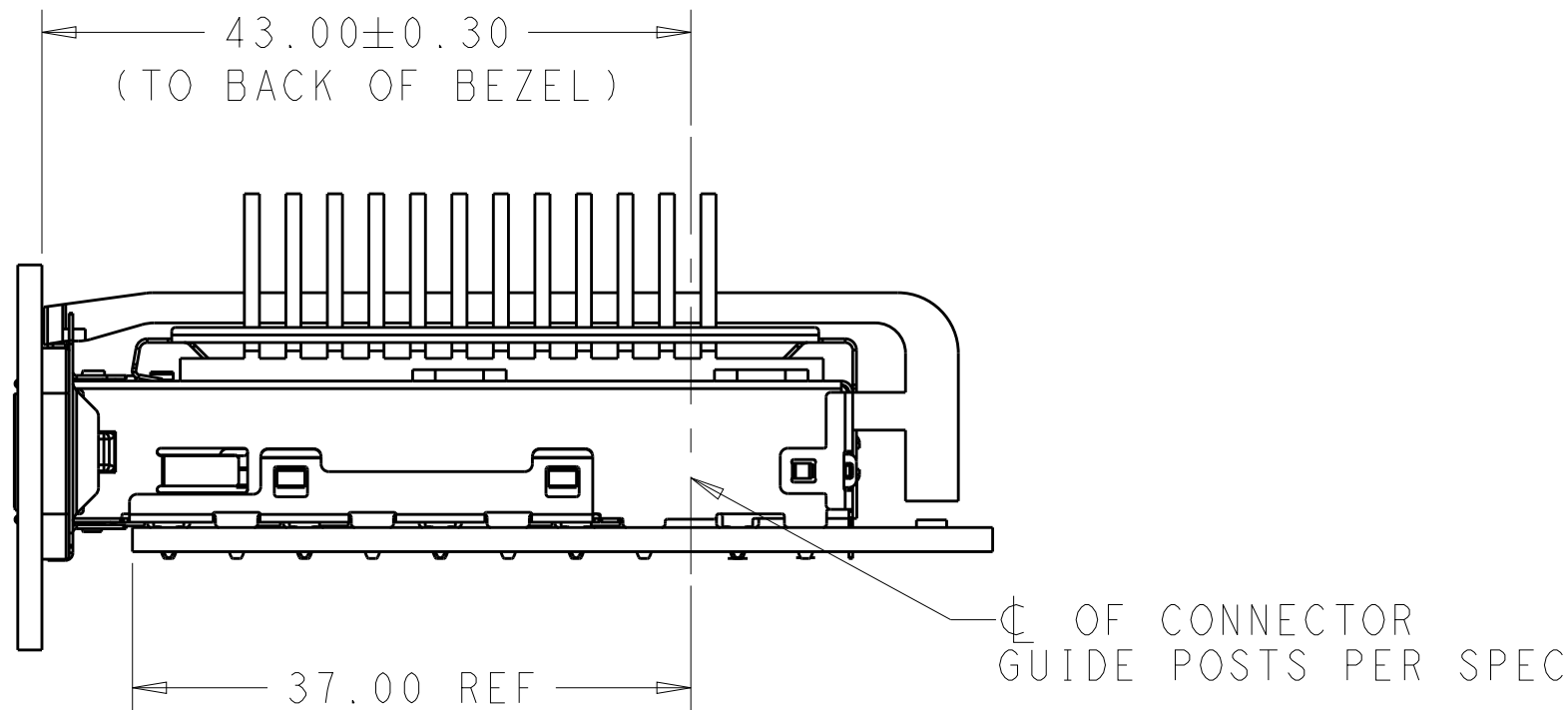
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROBERT GAN CHK JASON YANG APVD ALEX CAI	15NOV2012 15NOV2012 15NOV2012	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±0.2 1 PLC ±0.2 2 PLC ±0.20 3 PLC ±0.2 4 PLC ±0.2 ANGLES ±0.2 FINISH		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217 WEIGHT	
MATERIAL		-		SIZE A100779C=2170207	
-		-		Customer Drawing	
SCALE		1:1		SHEET 3 OF 6	
REV		12		RESTRICTED TO	
-		-		-	

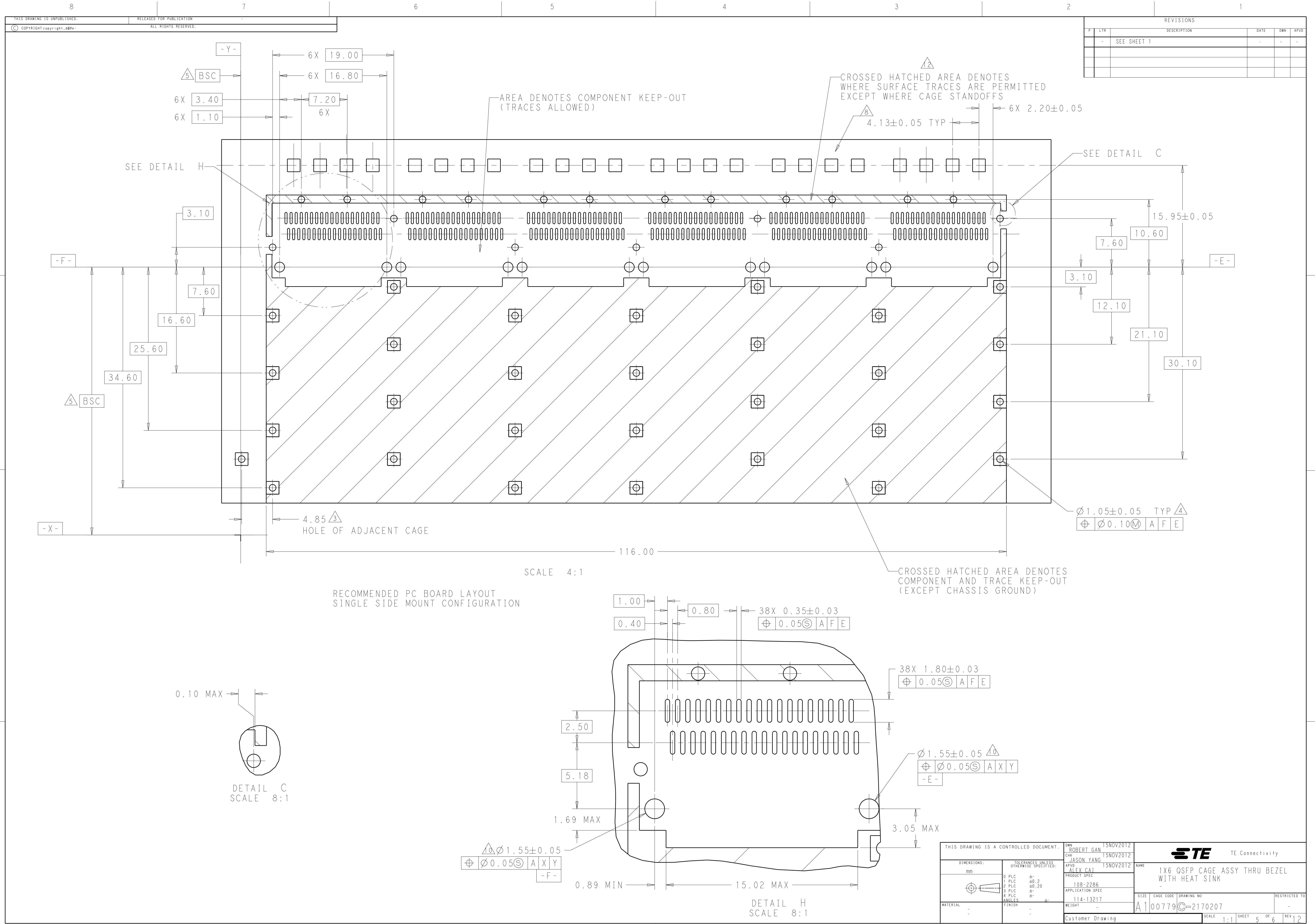
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



SCALE 2:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROBERT GAN CHK JASON YANG APVD ALEX CAI	15NOV2012 15NOV2012 15NOV2012	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.2 1 PLC ±0.2 2 PLC ±0.20 3 PLC ±. 4 PLC ±. ANGLES ±. FINISH -		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217	
MATERIAL		WEIGHT		RESTRICTED TO	
-		-		-	
Customer Drawing		SCALE 1:1		SHEET 4 OF 6	
				REV 12	



REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
-	-	SEE SHEET 1	-	-

$\varnothing 1.05 \pm 0.05$ TYP $\Delta 4$
$\varnothing 0.10 \text{ (M)} \text{ A F E}$

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

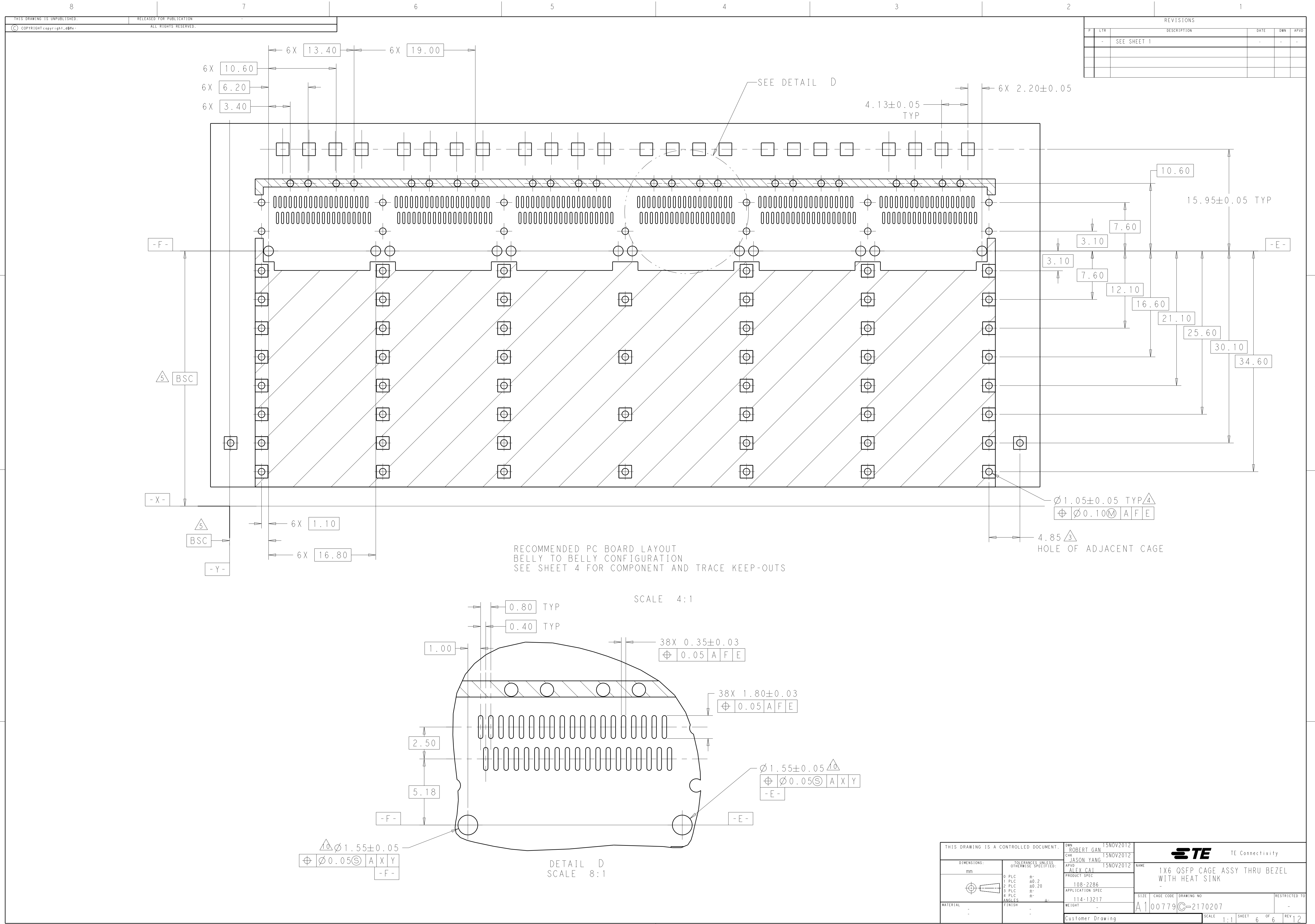
1.00	0.80	38X 0.35 ± 0.03
0.40		$\varnothing 0.05 \text{ (S)} \text{ A F E}$

38X 1.80 ± 0.03
$\varnothing 0.05 \text{ (S)} \text{ A F E}$

$\varnothing 1.55 \pm 0.05$ $\Delta 4$
$\varnothing 0.05 \text{ (S)} \text{ A X Y}$
-E-

$\Delta \varnothing 1.55 \pm 0.05$
$\varnothing 0.05 \text{ (S)} \text{ A X Y}$
-F-

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		CHK: JASON YANG 15NOV2012	
		APVD: ALEX CAI 15NOV2012	NAME: 1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK
DIMENSIONS:		PRODUCT SPEC	SIZE: CAGE CODE: DRAWING NO: RESTRICTED TO:
mm		108-2286	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	A100779C=2170207
0 PLC ± 0.2		114-13217	
1 PLC ± 0.20		WEIGHT	Customer Drawing
2 PLC ± 0.20			
3 PLC ± 0.20			SCALE: 1:1 SHEET 5 OF 6 REV 12
4 PLC ± 0.20			
ANGLES			
FINISH			



REVISIONS				
P	LTR	DESCRIPTION	DATE	OWN
-	-	SEE SHEET 1	-	-

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		CHK: JASON YANG 15NOV2012		
DIMENSIONS:		APVD: ALEX CAI 15NOV2012	NAME	
mm		PRODUCT SPEC	1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK	
		108-2286		
		APPLICATION SPEC		
		114-13217		
MATERIAL		WEIGHT	SIZE CAGE CODE DRAWING NO	
			A100779C=2170207	
		Customer Drawing	RESTRICTED TO	
			SCALE 1:1 SHEET 6 OF 6 REV 12	