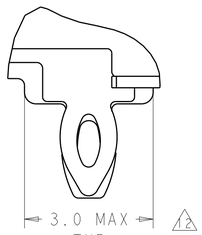
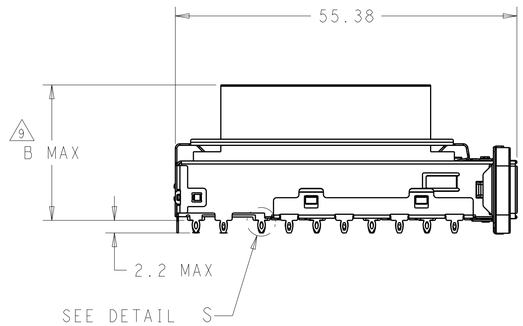
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	9	REVISED	18SEP2013	BL	AC
	10	REVISED	20NOV2013	BL	JY
	11	ADD 2170207-4	6MAY2015	RG	SH

NOTES, UNLESS OTHERWISE SPECIFIED:

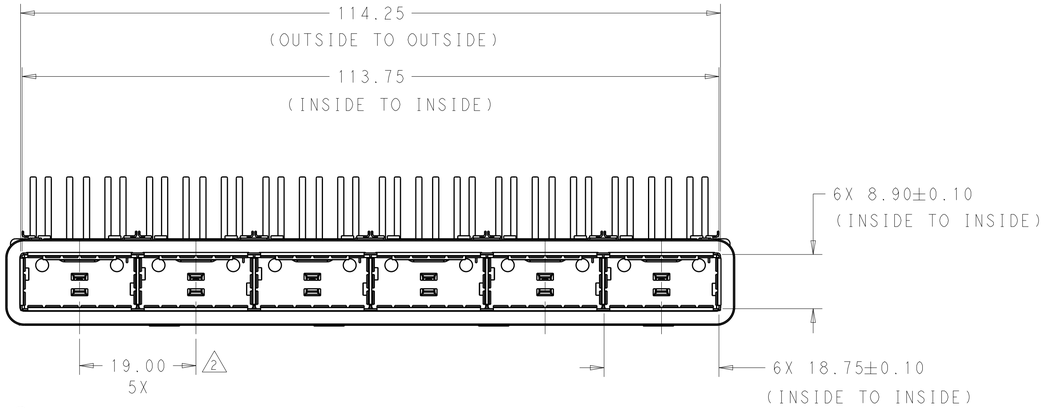
1. MATERIAL:
   TOP CAGE: NICKEL SILVER, 0.25MM THICK
   BOTTOM CAGE: STAINLESS STEEL, 0.25MM THICK
   HEAT SINK: ALUMINUM
   HEAT SINK CLIP: STAINLESS STEEL
   EMI SPRING: COPPER ALLOY
   GASKET RETENTION PLATE: STAINLESS STEEL
   EMI GASKET: CONDUCTIVE RUBBER, UL 94V-0 RATED.
2. PITCH BETWEEN PORTS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

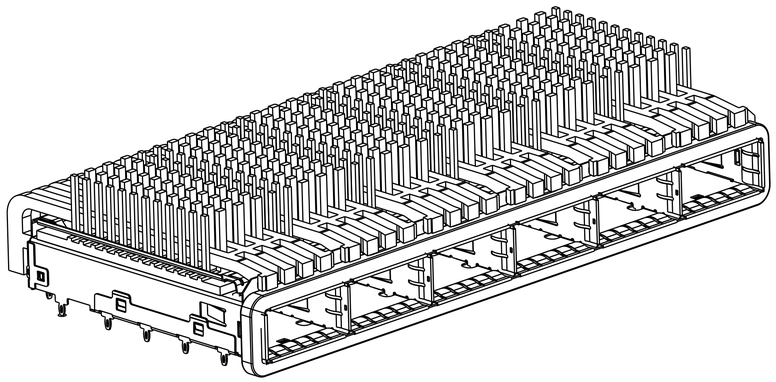


DETAIL S
SCALE 15:1



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.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.2
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - -
FINISH - -

DWN ROBERT GAN 15NOV2012
CHK JASON LYANG 15NOV2012
APVD ALEX CAI 15NOV2012

PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13217
WEIGHT -

TE Connectivity

PRELIMINARY

NAME 1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK
-

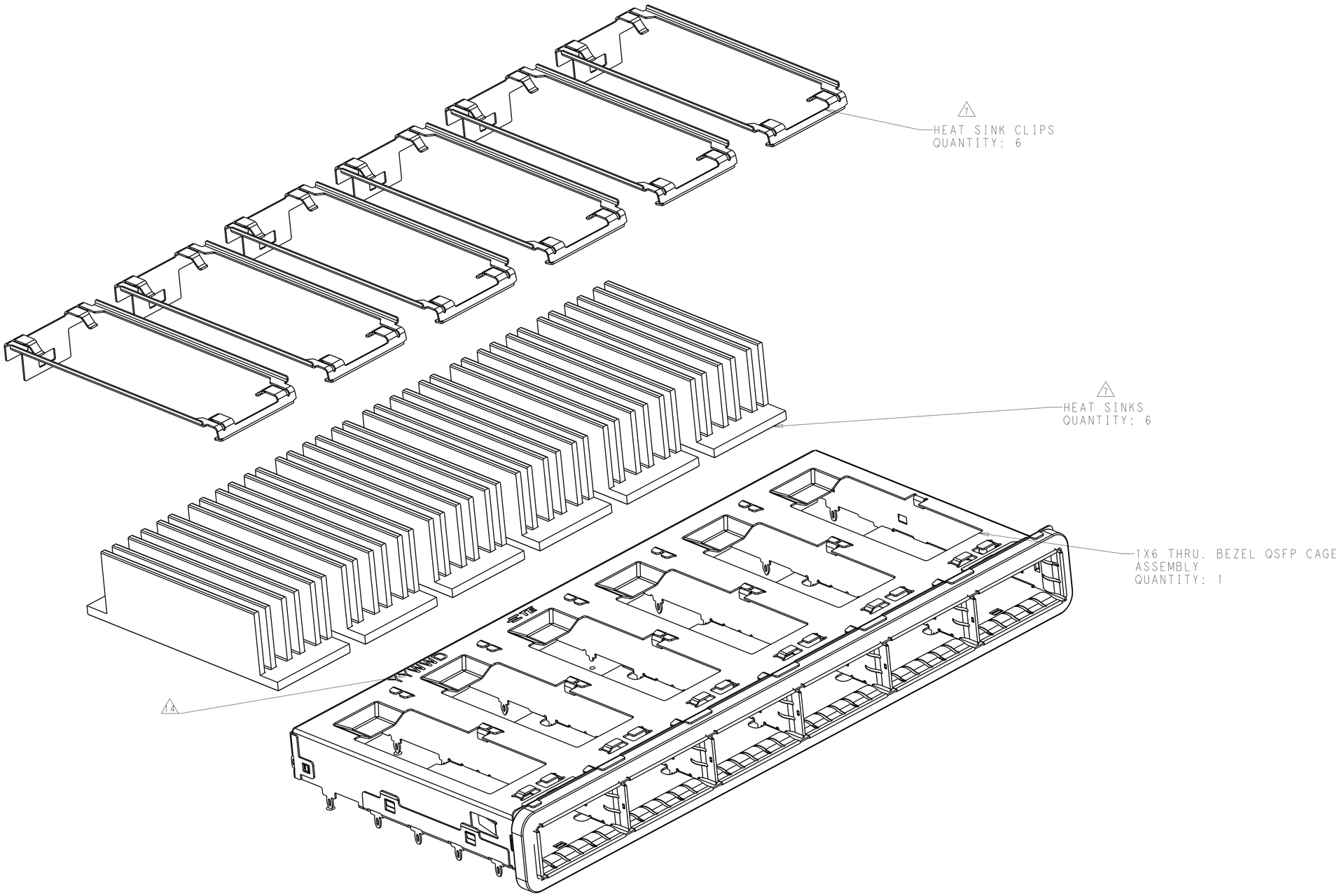
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170207	-

Customer Drawing

SCALE 1:1 SHEET 1 OF 6 REV 12

REVISIONS

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

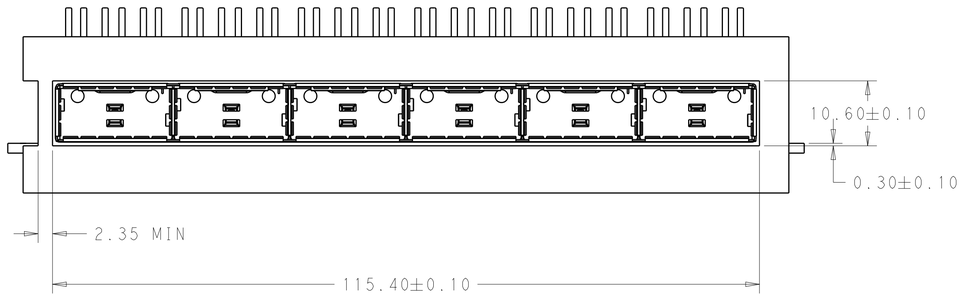


SCALE 3:1

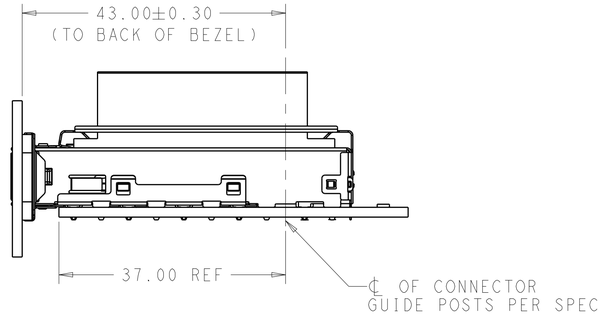
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROBERT GAN 15NOV2012	TE Connectivity
		CHK JASON YANG 15NOV2012	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.2 2 PLC ±0.20 3 PLC ±- 4 PLC ±- ANGLES ±-	APVD ALEX CAI 15NOV2012	NAME 1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK -
		PRODUCT SPEC 108-2286	
		APPLICATION SPEC 114-13217	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-2170207 · RESTRICTED TO -
MATERIAL - -	FINISH - -	WEIGHT -	SCALE 1:1 · SHEET 2 OF 6 · REV 12
		Customer Drawing	

REVISIONS

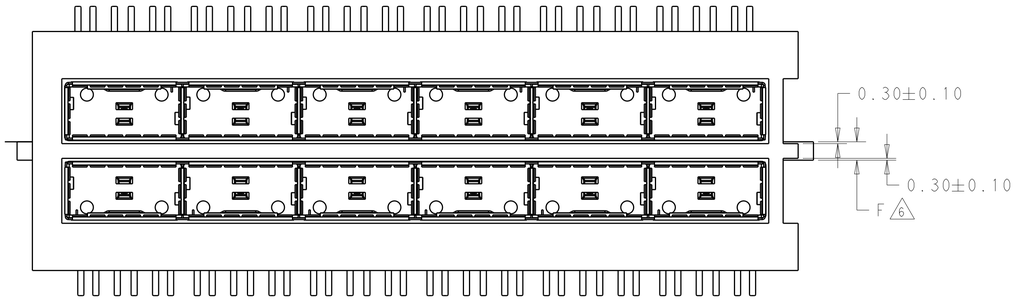
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



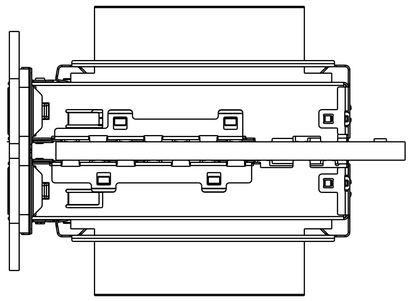
ONE SIDED CONFIGURATION



SCALE 2:1



BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED



SCALE 2:1

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TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
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3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - -
FINISH - -

DWN ROBERT GAN 15NOV2012
CHK JASON YANG 15NOV2012
APVD ALEX CAI 15NOV2012
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13217
WEIGHT -

TE Connectivity

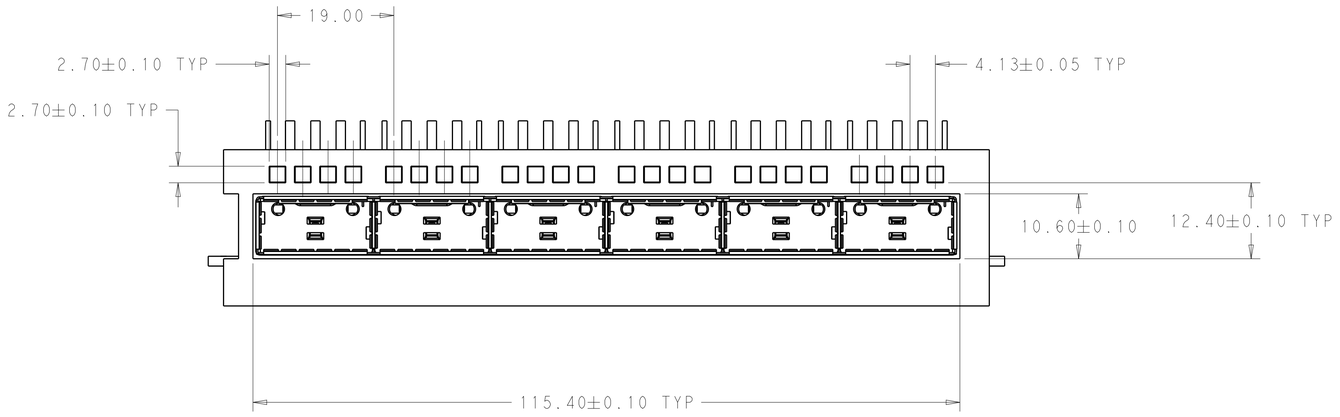
NAME 1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170207	-

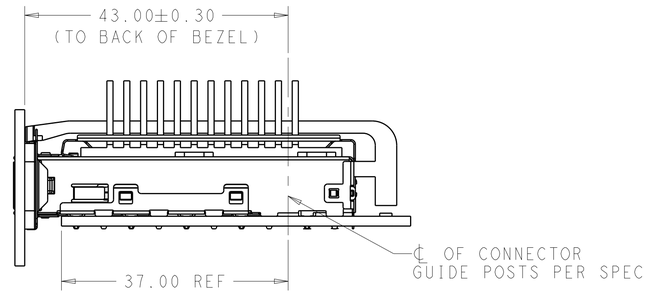
Customer Drawing | SCALE 1:1 | SHEET 3 OF 6 | REV 12

REVISIONS

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



SCALE 2:1



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.2
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - -
FINISH - -

DWN ROBERT GAN 15NOV2012
CHK JASON YANG 15NOV2012
APVD ALEX CAI 15NOV2012
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13217
WEIGHT -

TE Connectivity

NAME 1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170207	-

Customer Drawing | SCALE 1:1 | SHEET 4 OF 6 | REV 12

REVISIONS

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

-Y-

6X 19.00

6X 16.80

△5 BSC

6X 3.40

6X 1.10

7.20 6X

AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

△12 CROSSED HATCHED AREA DENOTES WHERE SURFACE TRACES ARE PERMITTED EXCEPT WHERE CAGE STANDOFFS

△8 4.13±0.05 TYP

6X 2.20±0.05

SEE DETAIL H

SEE DETAIL C

3.10

-F-

7.60

16.60

25.60

34.60

△5 BSC

-X-

15.95±0.05

10.60

7.60

3.10

12.10

21.10

30.10

-E-

4.85 △3 HOLE OF ADJACENT CAGE

Ø1.05±0.05 TYP △4

⌖ Ø0.10Ⓜ A F E

116.00

SCALE 4:1

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

RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION

1.00

0.40

0.80

38X 0.35±0.03

⌖ 0.05Ⓢ A F E

38X 1.80±0.03

⌖ 0.05Ⓢ A F E

2.50

5.18

1.69 MAX

3.05 MAX

△10 Ø1.55±0.05

⌖ Ø0.05Ⓢ A X Y

-E-

△10 Ø1.55±0.05

⌖ Ø0.05Ⓢ A X Y

-F-

0.89 MIN

15.02 MAX

0.10 MAX

DETAIL C
SCALE 8:1

DETAIL H
SCALE 8:1

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.2
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - -

FINISH - -

DWN ROBERT GAN 15NOV2012
CHK JASON YANG 15NOV2012
APVD ALEX CAI 15NOV2012
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13217
WEIGHT -

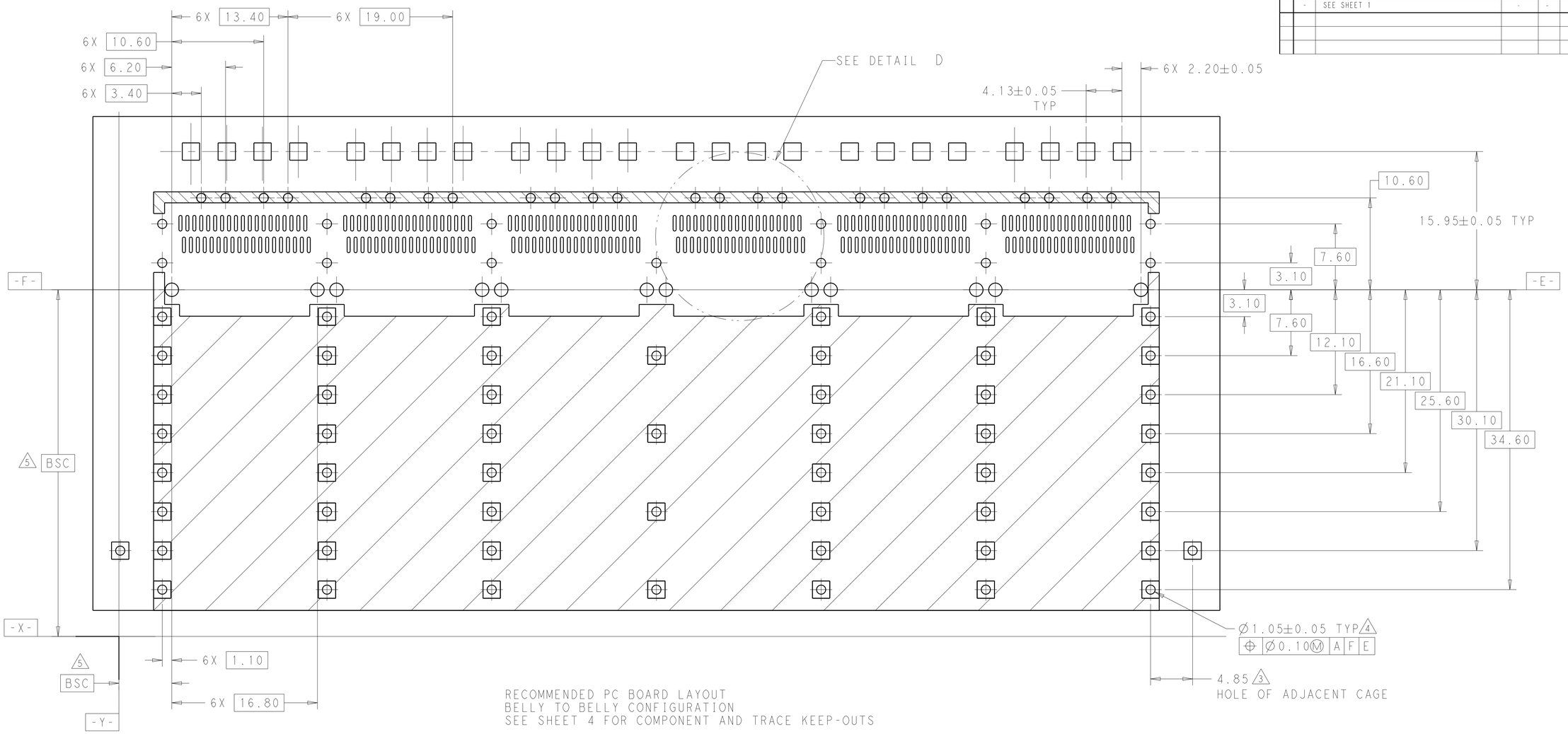
TE Connectivity

NAME 1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK -

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-2170207 | RESTRICTED TO -

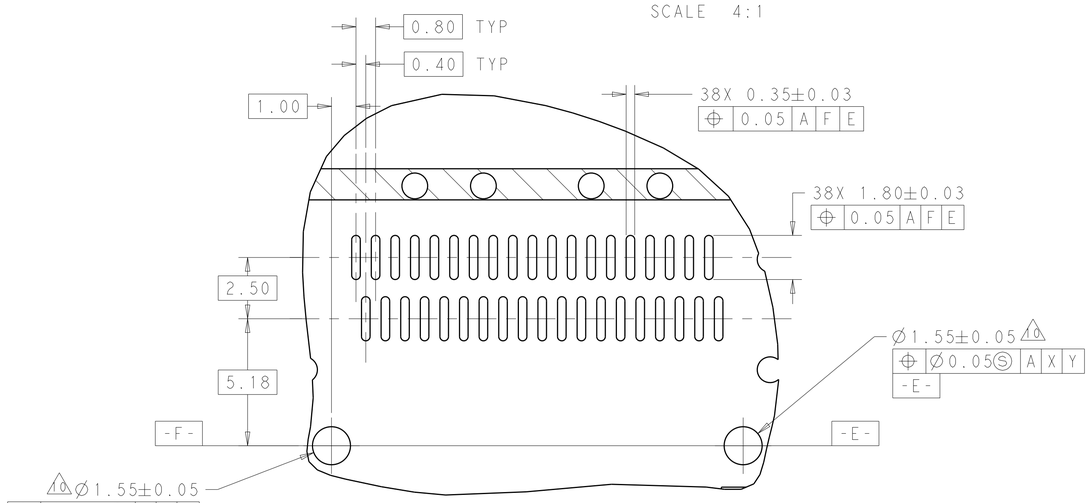
Customer Drawing | SCALE 1:1 | SHEET 5 OF 6 | REV 12

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



RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT AND TRACE KEEP-OUTS

SCALE 4:1



DETAIL D
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN ROBERT GAN 15NOV2012	TE Connectivity	
DIMENSIONS: mm	CHK JASON YANG 15NOV2012	NAME 1X6 QSFP CAGE ASSY THRU BEZEL WITH HEAT SINK -	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.2 2 PLC ±0.20 3 PLC ±- 4 PLC ±- ANGLES ±-	APVD ALEX CAI 15NOV2012	SIZE A1	CAGE CODE 00779
MATERIAL - -	PRODUCT SPEC 108-2286	DRAWING NO C-2170207	RESTRICTED TO -
FINISH - -	APPLICATION SPEC 114-13217	SCALE 1:1	SHEET 6 OF 6
	WEIGHT -	Customer Drawing	REV 12