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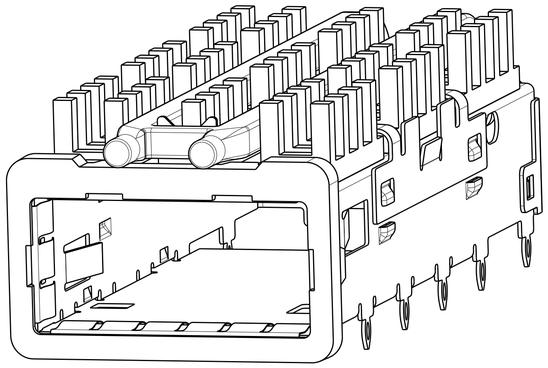
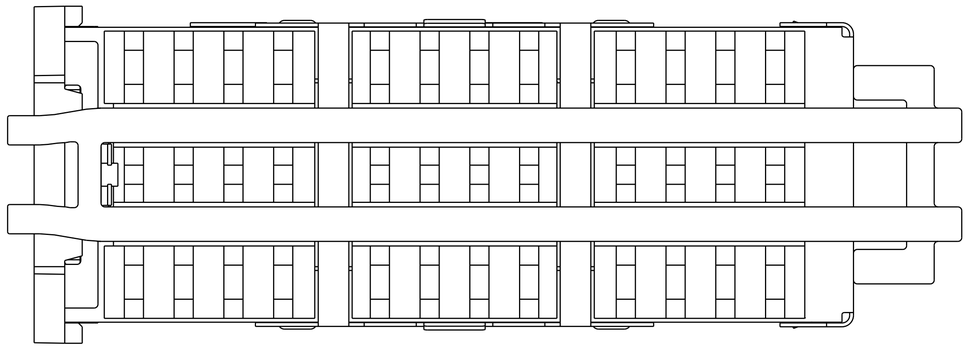
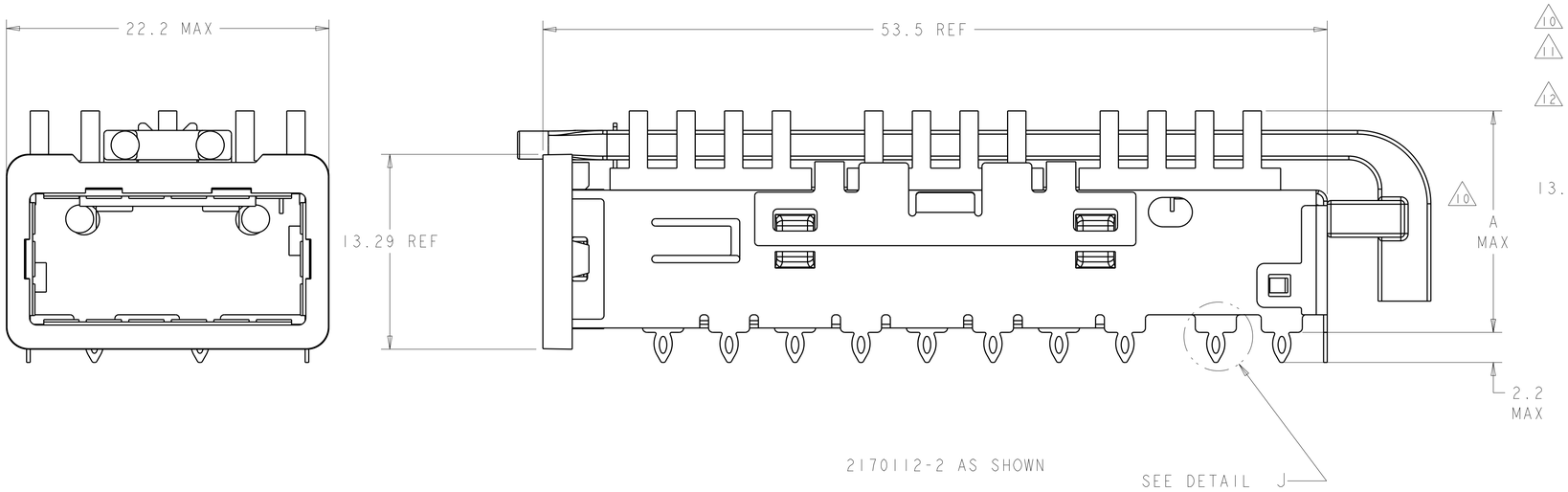
LOC	DIST
GP	00

REVISIONS

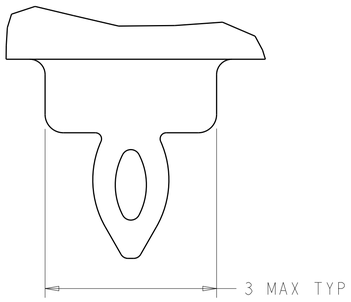
P	LTR	DESCRIPTION	DATE	DWN	APVD
	2	PRELIMINARY	20JUN2011	AL	CW
	3	REVISED PER ECO-14-018993	3MAR2015	RG	MC



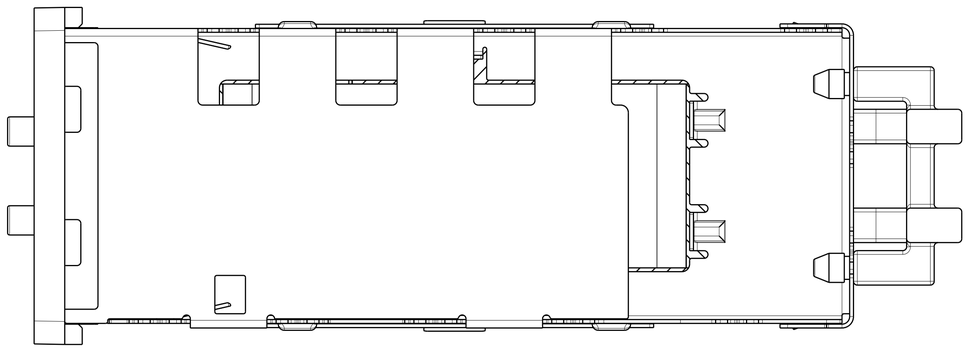




2170112-2 AS SHOWN



DETAIL J (9)
SCALE 20:1



1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRING MATERIAL: COPPER ALLOY
FRONT FLANGE MATERIAL: ZINC ALLOY

2. MINIMUM PITCH DIMENSION.

3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.

4. REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

5. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

6. DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD,
SINGLE SIDED PC BOARD MINIMUM THICKNESS: 1.45
DOUBLE SIDED PC BOARD MINIMUM THICKNESS: 2.7.

7. HEAT SINK AND CLIP AND LIGHT PIPE SHIPPED ASSEMBLED TO CAGE ASSEMBLY CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.

8. DATUM -A- IS TOP SURFACE OF HOST BOARD.

9. SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL J, CONTACT PC BOARD.

10. DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE.

11. DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINK APPLIES TO CAGE ASSEMBLY ONLY.

12. EMI SPRING FINISH: 2um MIN TIN.
FRONT FLANGE FINISH: 3um MIN TIN OVER 1.27um MIN NICKEL OVER 5.08um MIN COPPER.
HEAT SINK FINISH: 0.076um MIN NICKEL PLATING.

13. PRODUCT HAS NOT COMPLETED QUALIFICATION TESTING.

23.0	NETWORKING HEAT SINK	2170112-3
16.0	SAN HEAT SINK (SHOWN)	2170112-2
13.7	PCI HEAT SINK	2170112-1
A	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±

MATERIAL -1

FINISH 12

DWN AL 27MAY2011
CHK TX 27MAY2011
APVD CW 27MAY2011

PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X1 CAGE ASSEMBLY, BEHIND BEZEL WITH HEAT SINK AND DUAL LIGHT PIPE QSFP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170112	-

Customer Drawing | SCALE 5:1 | SHEET 1 OF 5 | REV 3

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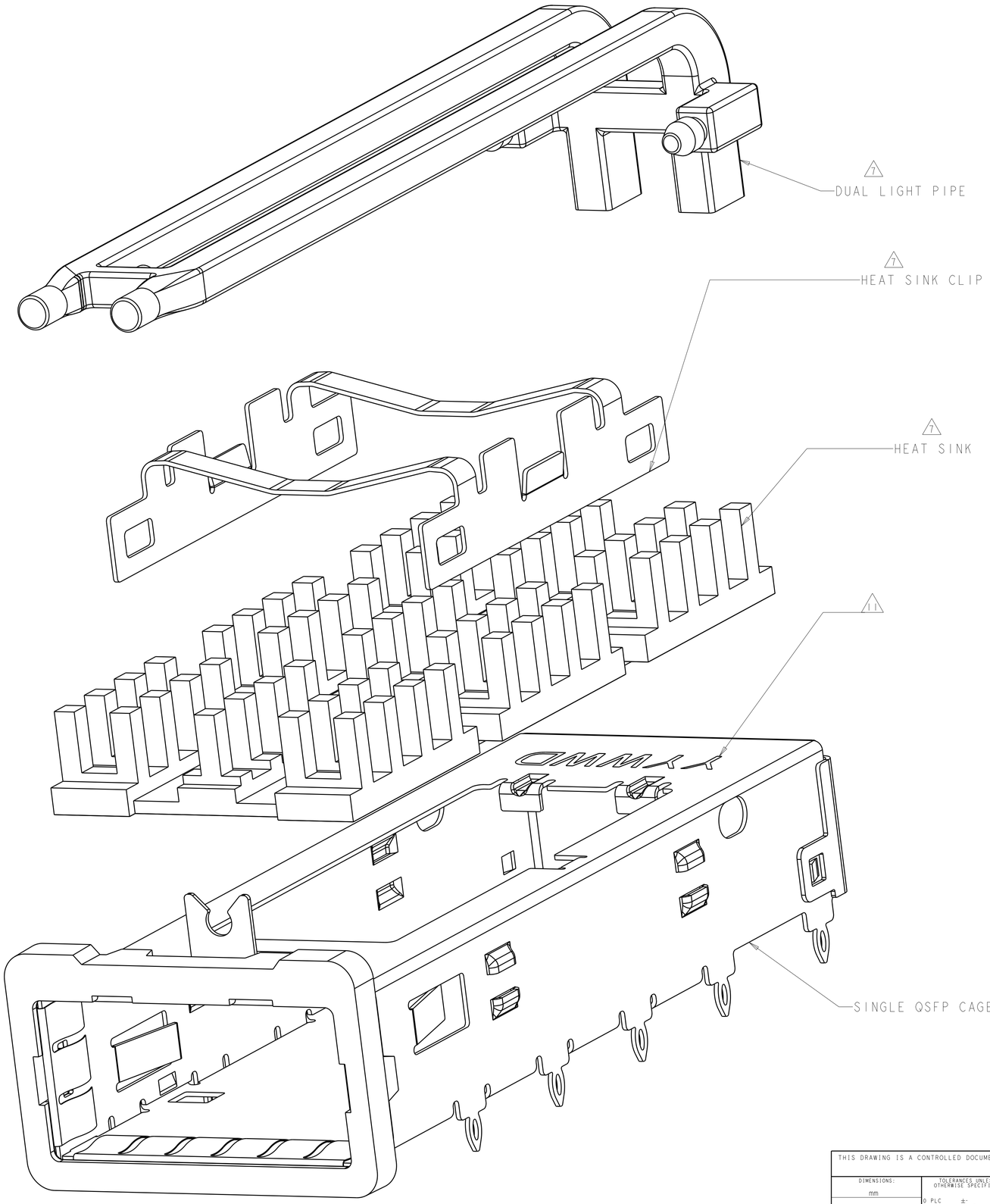
LOC	DIST
GP	00

REVISIONS

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



EXPLODED VIEW
SCALE 8:1

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DIMENSIONS: mm

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2 PLC ±0.13
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL - -
FINISH - -

DWN AL 27MAY2011
CHK TX 27MAY2011
APVD CW 27MAY2011
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
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A1	00779	C-2170112	-

Customer Drawing | SCALE 5:1 | SHEET 2 OF 5 | REV 3

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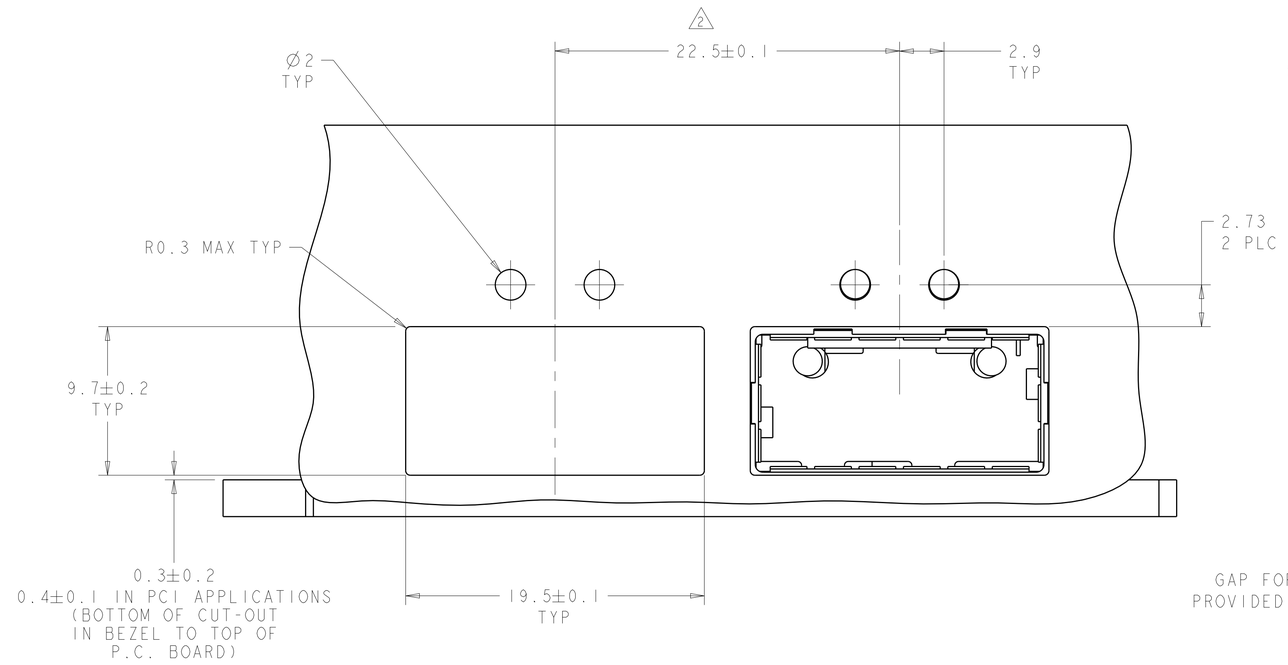
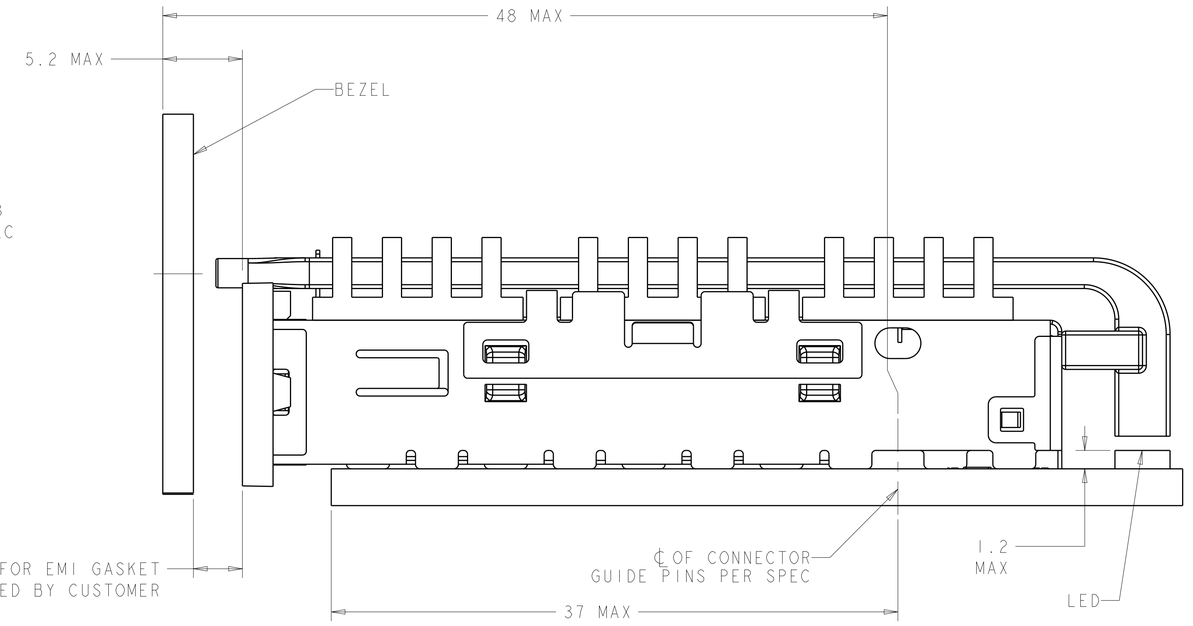
LOC	DIST
GP	00

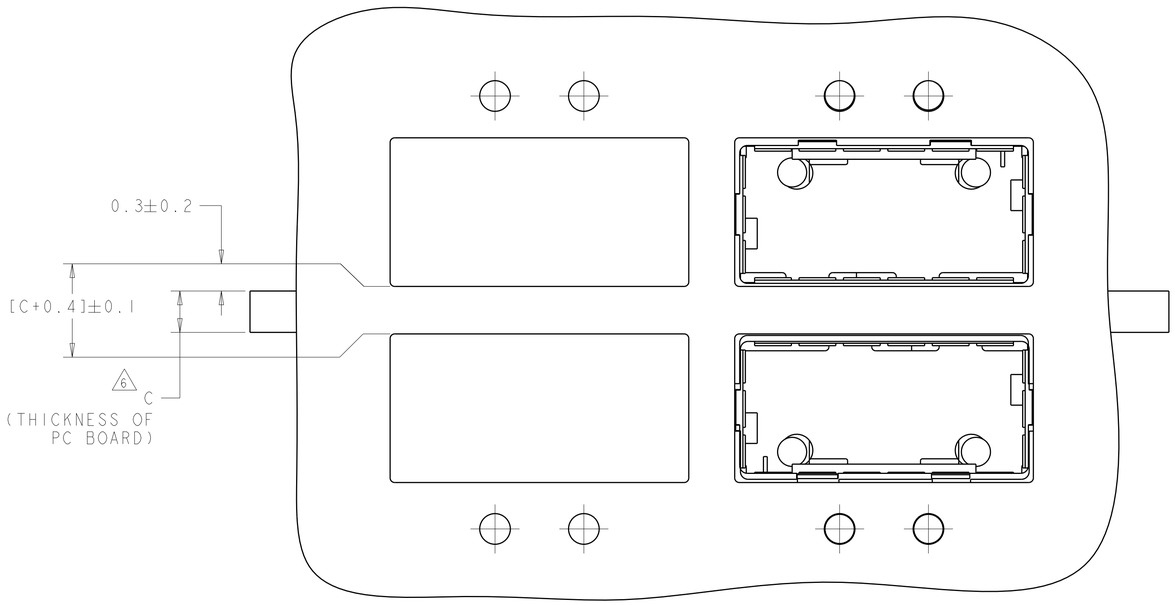
REVISIONS

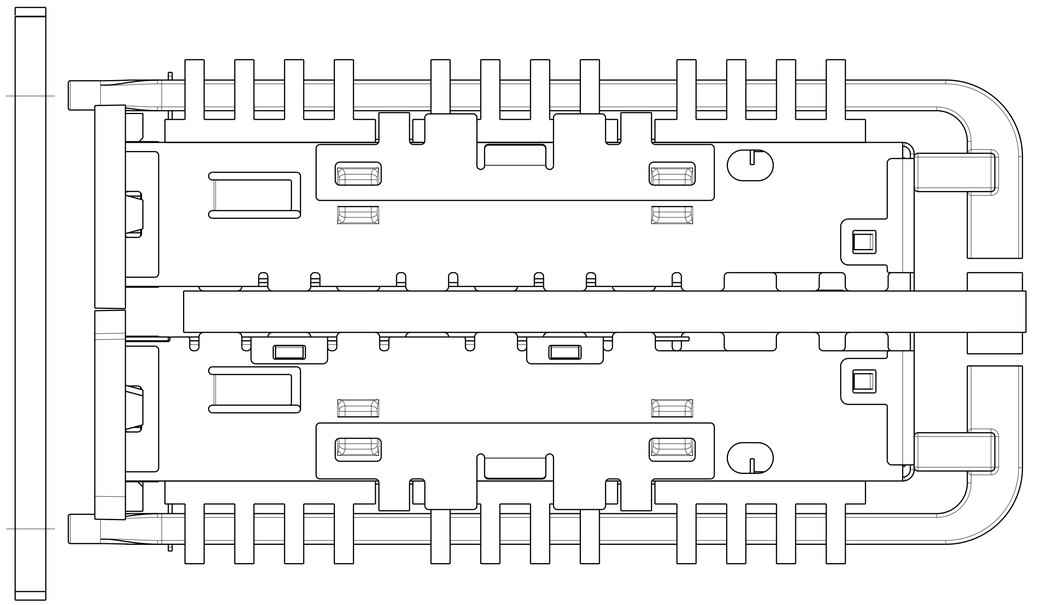
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-





ONE SIDED CONFIGURATION





BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED EXCEPT
WHERE NOTED

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
-

FINISH -
-

DWN AL	27MAY2011
CHK TX	27MAY2011
APVD CW	27MAY2011
PRODUCT SPEC	108-2286
APPLICATION SPEC	114-13218
WEIGHT	-

TE Connectivity

NAME 1X1 CAGE ASSEMBLY, BEHIND BEZEL WITH HEAT SINK AND DUAL LIGHT PIPE QSFP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170112	-

Customer Drawing

SCALE	SHEET	OF	REV
5:1	3	5	3

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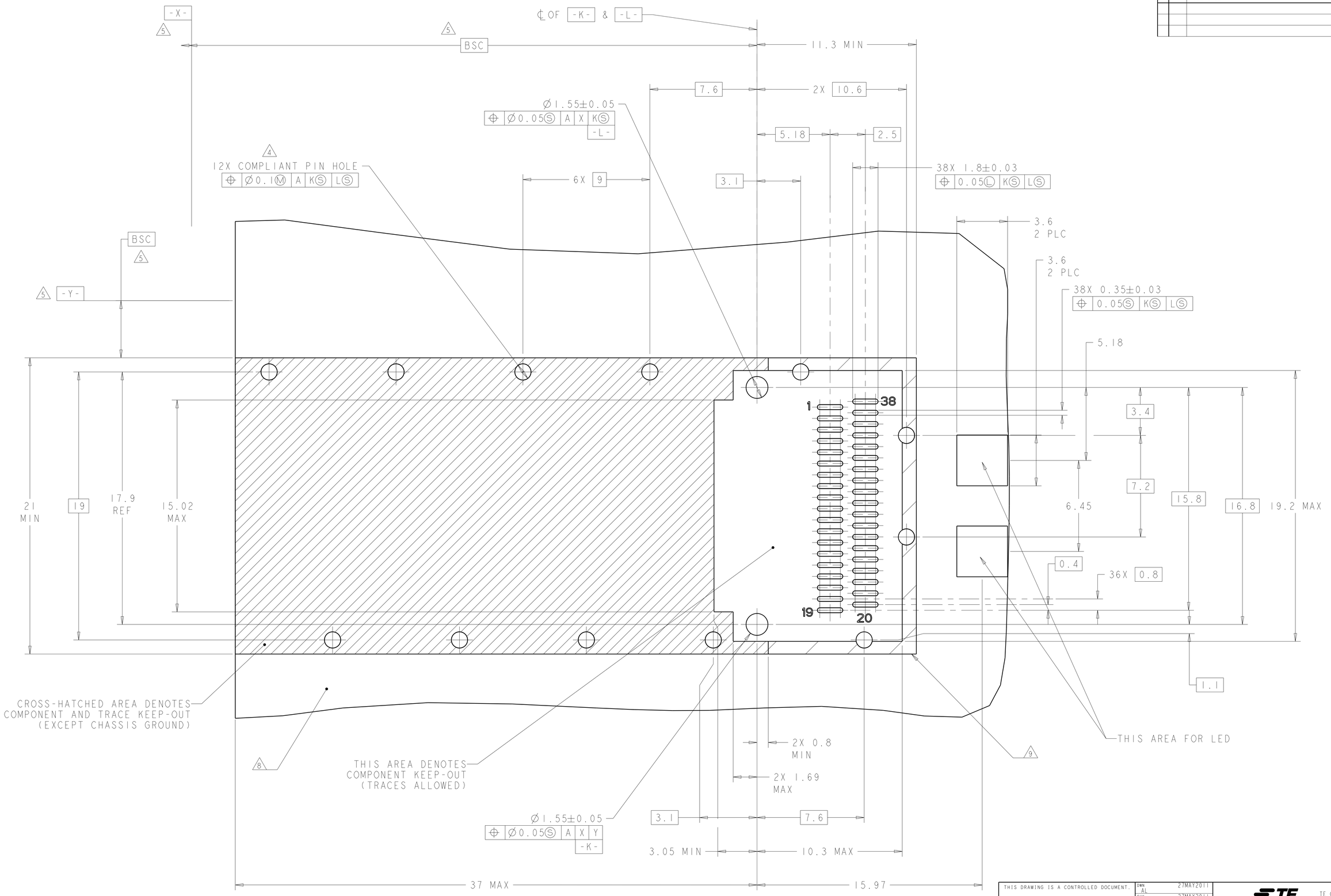
LOC	DIST
GP	00

REVISIONS

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



RECOMMENDED PCB LAYOUT
SINGLE SIDED CONFIGURATION
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL - -
FINISH - -

DWN AL 27MAY2011
CHK TX 27MAY2011
APVD CW 27MAY2011
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X1 CAGE ASSEMBLY, BEHIND BEZEL WITH HEAT SINK AND DUAL LIGHT PIPE QSFP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170112	-

Customer Drawing | SCALE 4:1 | SHEET 4 OF 5 | REV 3

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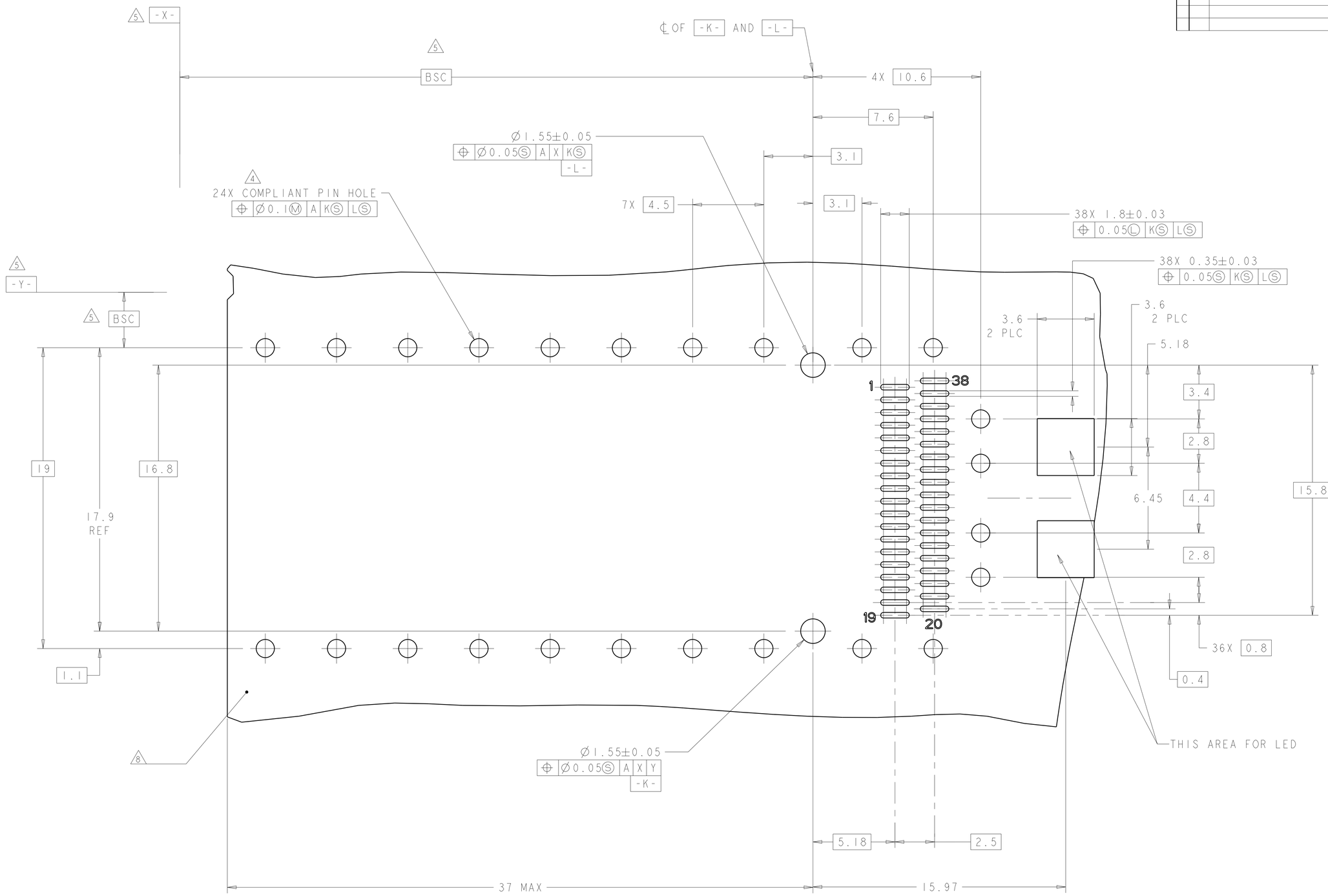
LOC	DIST
GP	00

REVISIONS

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



RECOMMENDED PCB LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR KEEP OUT AREAS
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
FINISH -

DWN AL 27MAY2011
CHK TX 27MAY2011
APVD CW 27MAY2011
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X1 CAGE ASSEMBLY, BEHIND BEZEL WITH HEAT SINK AND DUAL LIGHT PIPE QSFP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170112	-

Customer Drawing | SCALE 4:1 | SHEET 5 OF 5 | REV 3