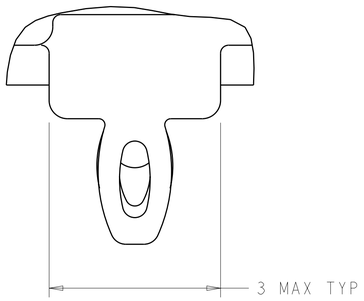
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	4	UPDATED VIEWS	30MAR2011	AL	CW



DETAIL S (12)
SCALE 20:1

(1) CAGE ASSEMBLY 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
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE

(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 114-13218 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 MINIMUM THICKNESS = 1.45mm
DOUBLE SIDED PC BOARD MINIMUM THICKNESS = 2.2mm PER QSFP.

(7) HEAT SINKS, LIGHT PIPES, AND HEAT SINK CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.

(8) DATUM A IS TOP SURFACE OF PC BOARD.

(9) DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.

(10) UNPLATED THRU HOLE.

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.

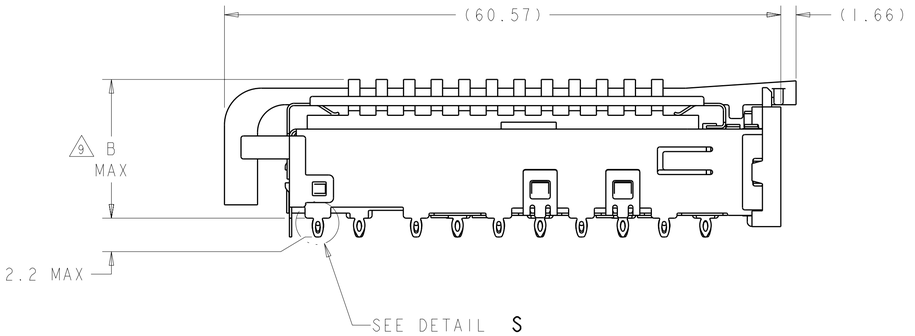
(13) BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.

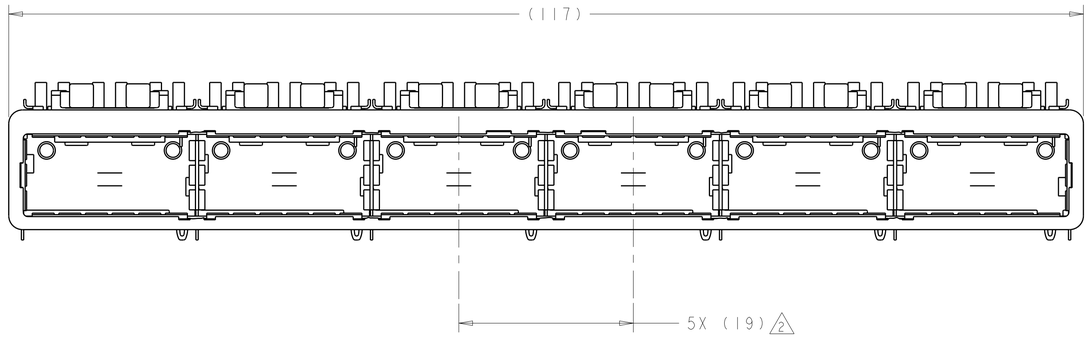
(14) DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS APPLIES TO CAGE ASSEMBLY ONLY.

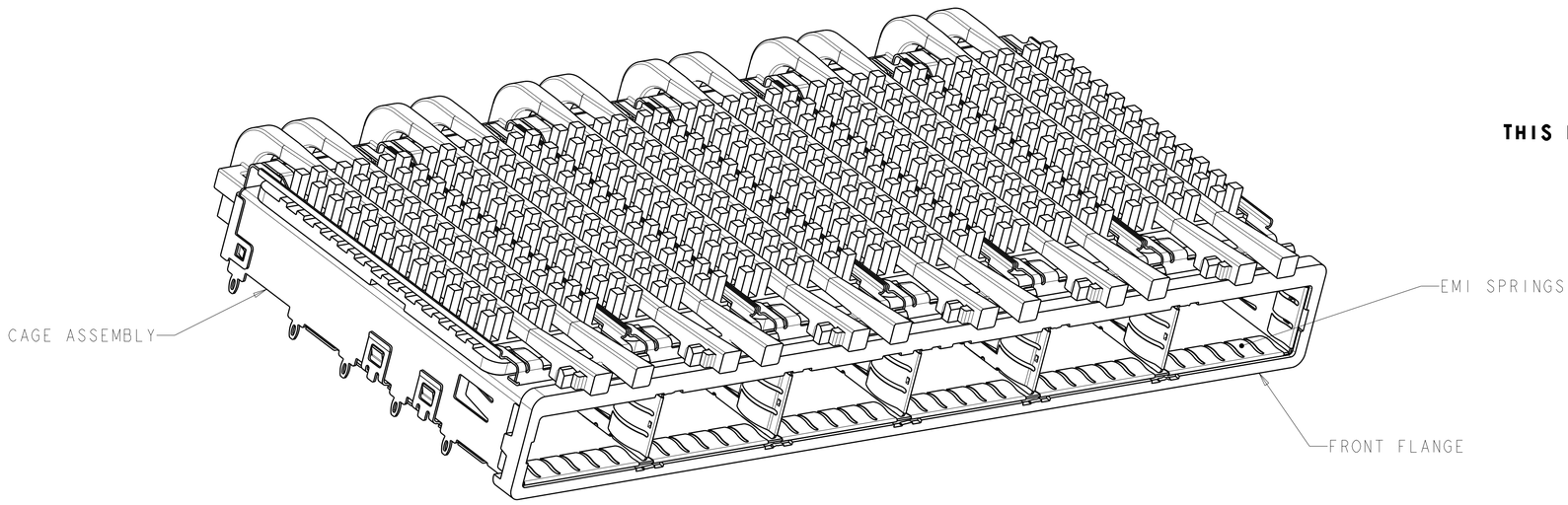
(15) REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.

(16) EMI SPRING FINISH: 2um MINIMUM TIN
FRONT FLANGE FINISH: 3um MINIMUM TIN OVER 1.27um MINIMUM NICKEL OVER 5.08um MINIMUM COPPER.
HEAT SINK FINISH: NICKEL

(17) HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED. LIGHT PIPES, SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SEATED IN THE PCB.







THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

(1) (7) (17)	23.0	NETWORKING	2143331-3
(7) (17)	16.0	SAN	2143331-2
(17)	13.7	PCI	2143331-1
	B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL - (1)
FINISH (16)

DWN C. VALENTINE 18MAR2010
CHK J. PETERSON 18MAR2010
APVD J. PETERSON 18MAR2010
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP

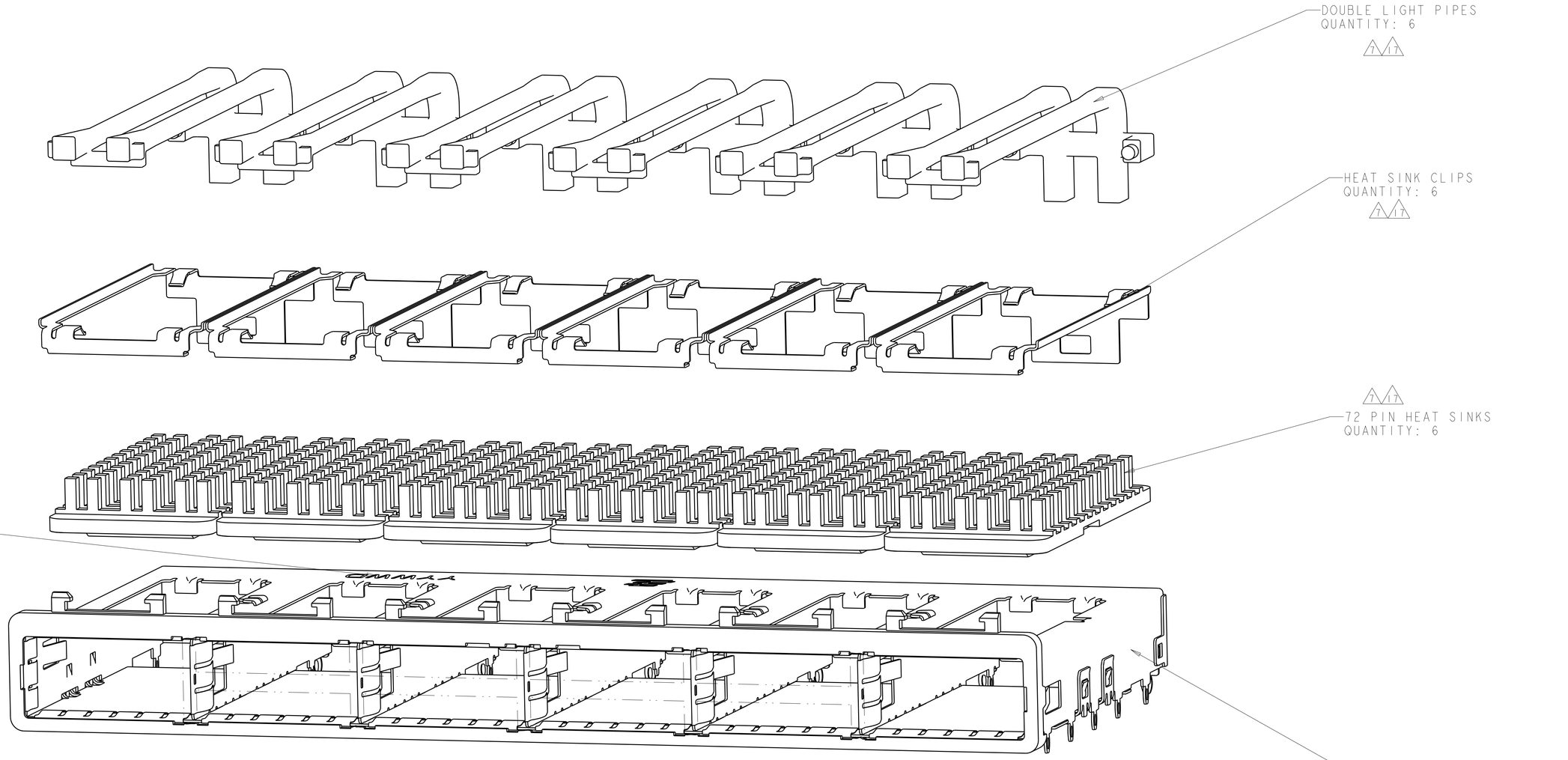
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2143331	-

CUSTOMER DRAWING | SCALE 3:1 | SHEET 1 OF 5 | REV 4

LOC	DIST
GP	00

REVISIONS

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



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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
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1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
FINISH -

DWN C. VALENTINE 18MAR2010
CHK J. PETERSON 18MAR2010
APVD J. PETERSON 18MAR2010
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP

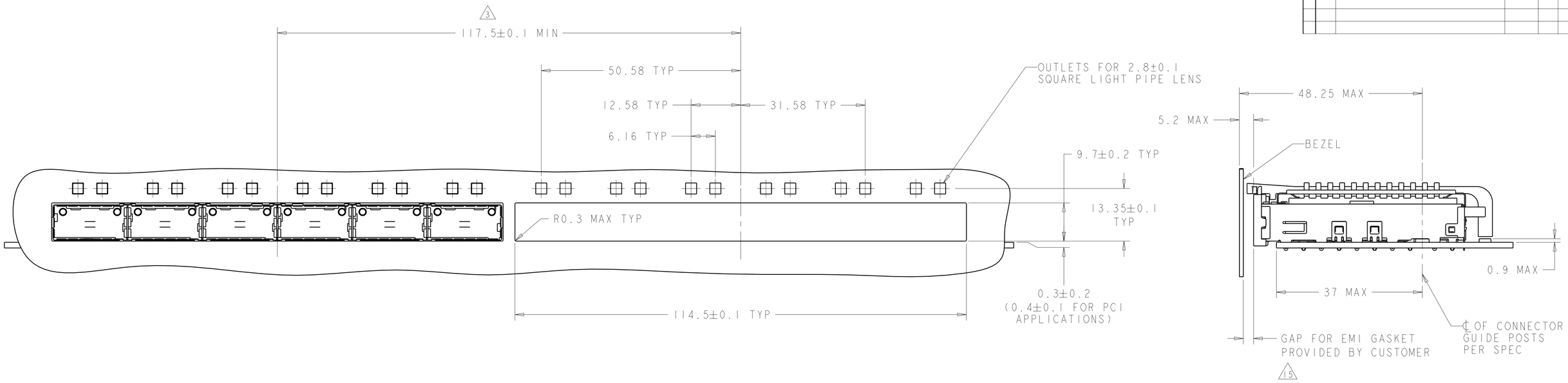
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2143331	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 2 OF 5 | REV 4

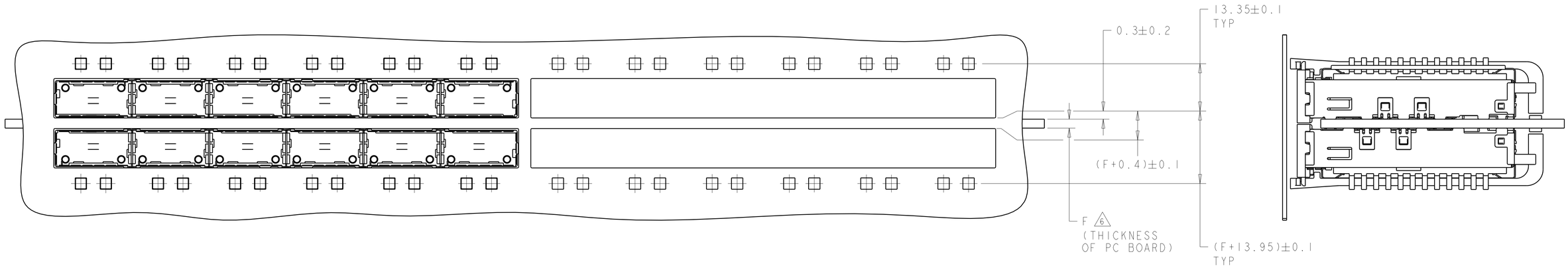
LOC	DIST
GP	00

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

THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
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1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
FINISH -

DWN C. VALENTINE 18MAR2010
CHK J. PETERSON 18MAR2010
APVD J. PETERSON 18MAR2010
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP

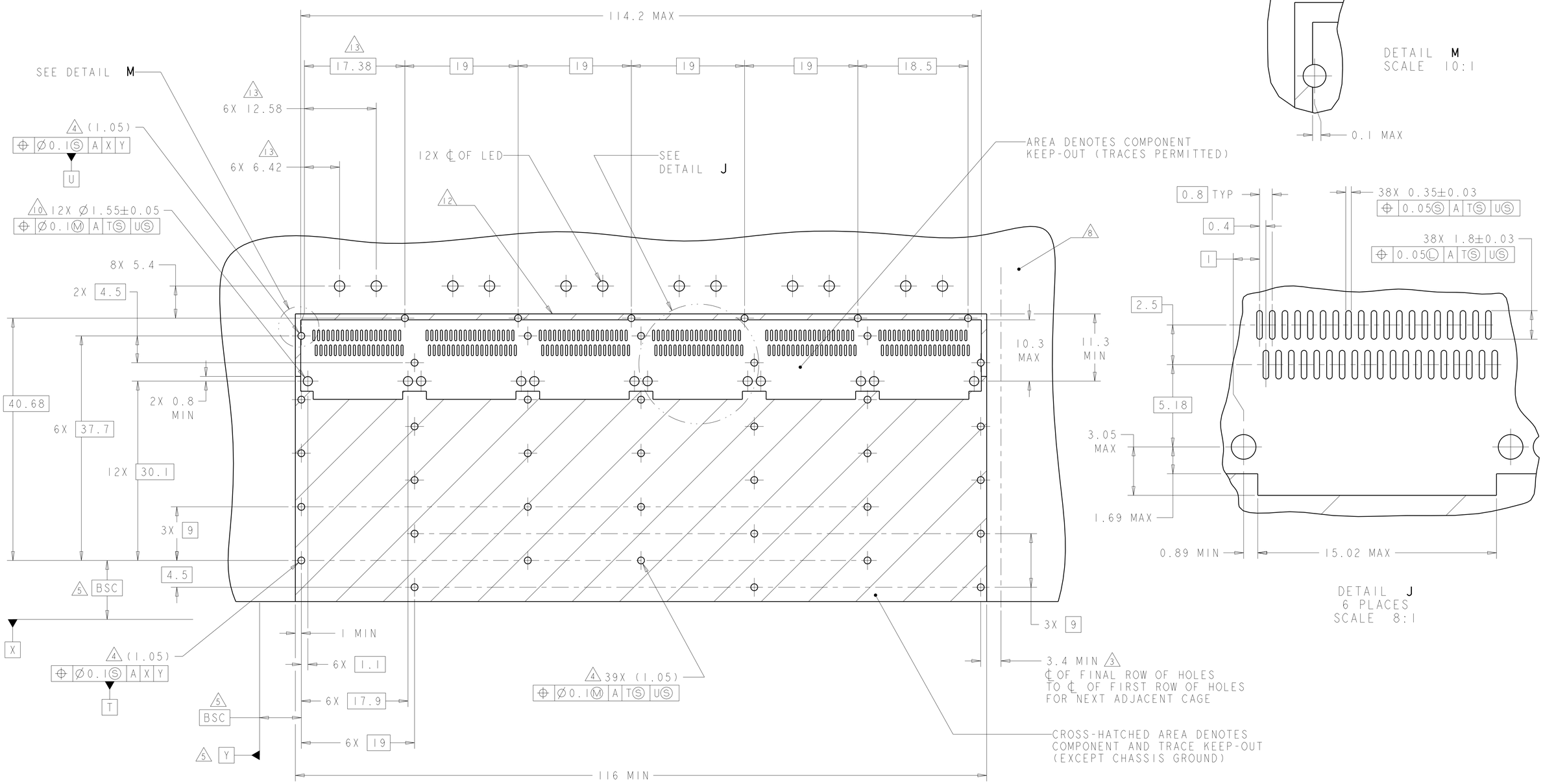
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2143331	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 3 OF 5 | REV 4

LOC	DIST
GP	00

REVISIONS

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



RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 3:1

DETAIL M
SCALE 10:1

DETAIL J
6 PLACES
SCALE 8:1

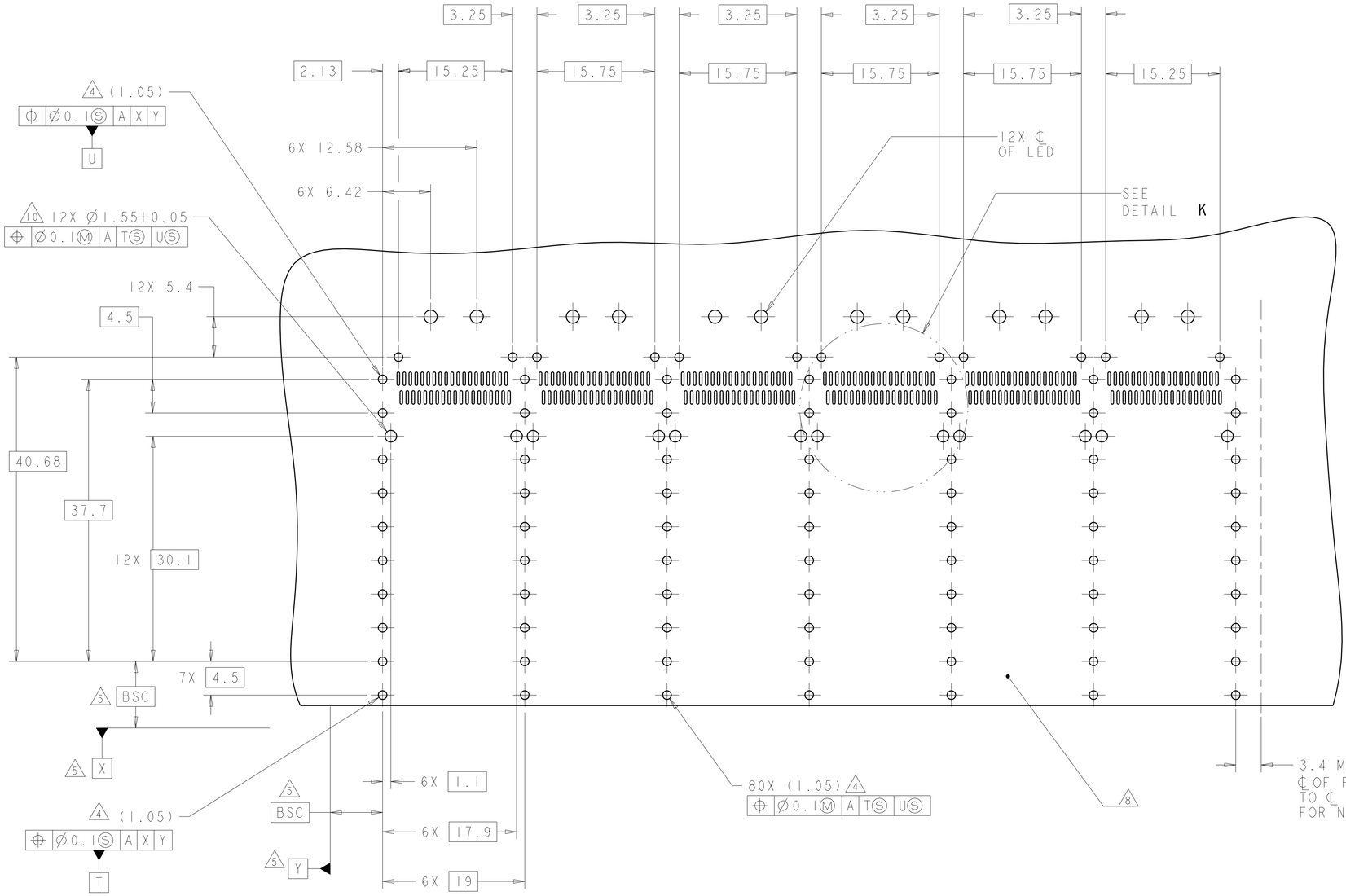
THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

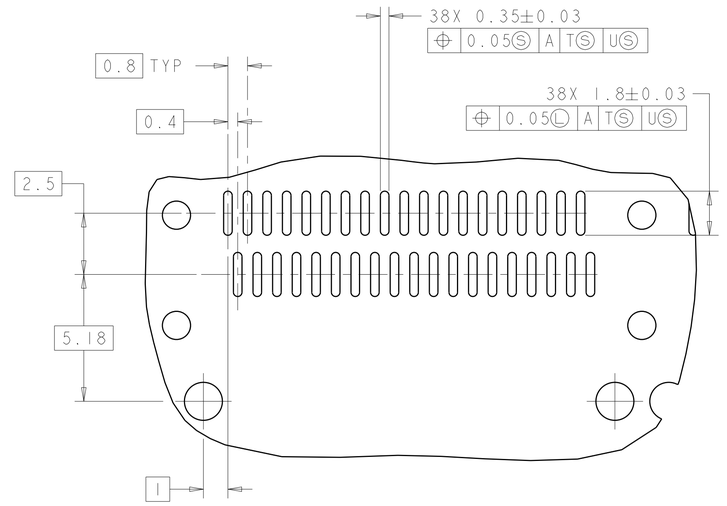
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 18MAR2010	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±-	CHK J. PETERSON 18MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP
		APVD J. PETERSON 18MAR2010	PRODUCT SPEC 108-2286
			APPLICATION SPEC 114-13218
MATERIAL - -	FINISH - -	WEIGHT -	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-2143331 · RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 4:1 · SHEET 4 OF 5 · REV 4

LOC	DIST
GP	00

REVISIONS

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





DETAIL K
6 PLACES
SCALE 8:1

RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT AND TRACE KEEP-OUTS
SCALE 3:1

THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN C. VALENTINE 18MAR2010	TE Connectivity	
DIMENSIONS: mm	CHK J. PETERSON 18MAR2010	NAME	1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±-	APVD J. PETERSON 18MAR2010	PRODUCT SPEC 108-2286	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-2143331 / RESTRICTED TO -
MATERIAL - -		APPLICATION SPEC 114-13218	
FINISH - -		WEIGHT -	
		CUSTOMER DRAWING	SCALE 4:1 / SHEET 5 OF 5 / REV 4