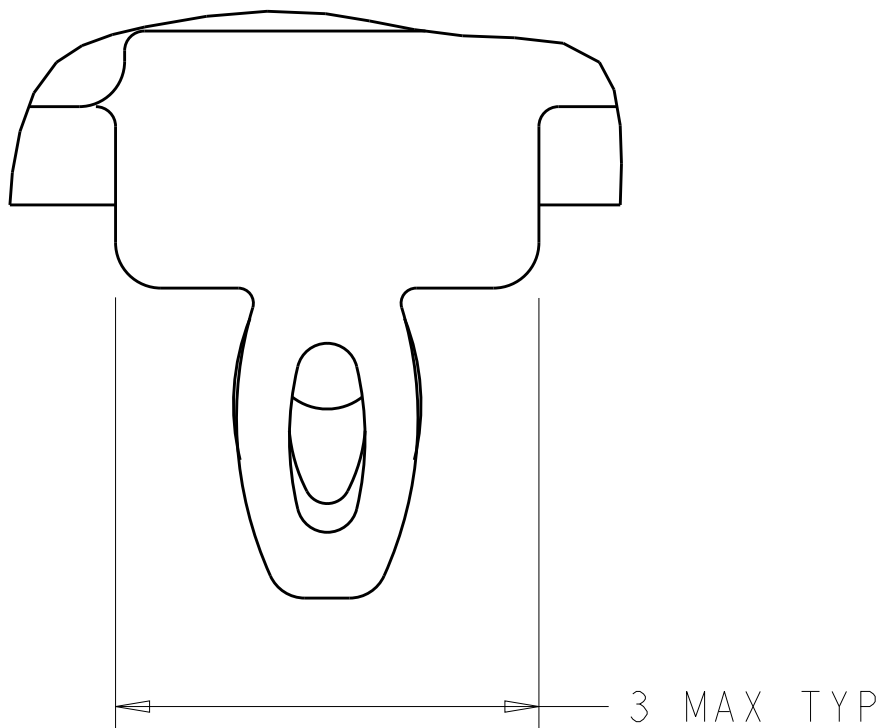


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		A	RELEASE TO A PER ECO-15-018552	28DEC2015	RG	SH



DETAIL S
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.
- 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

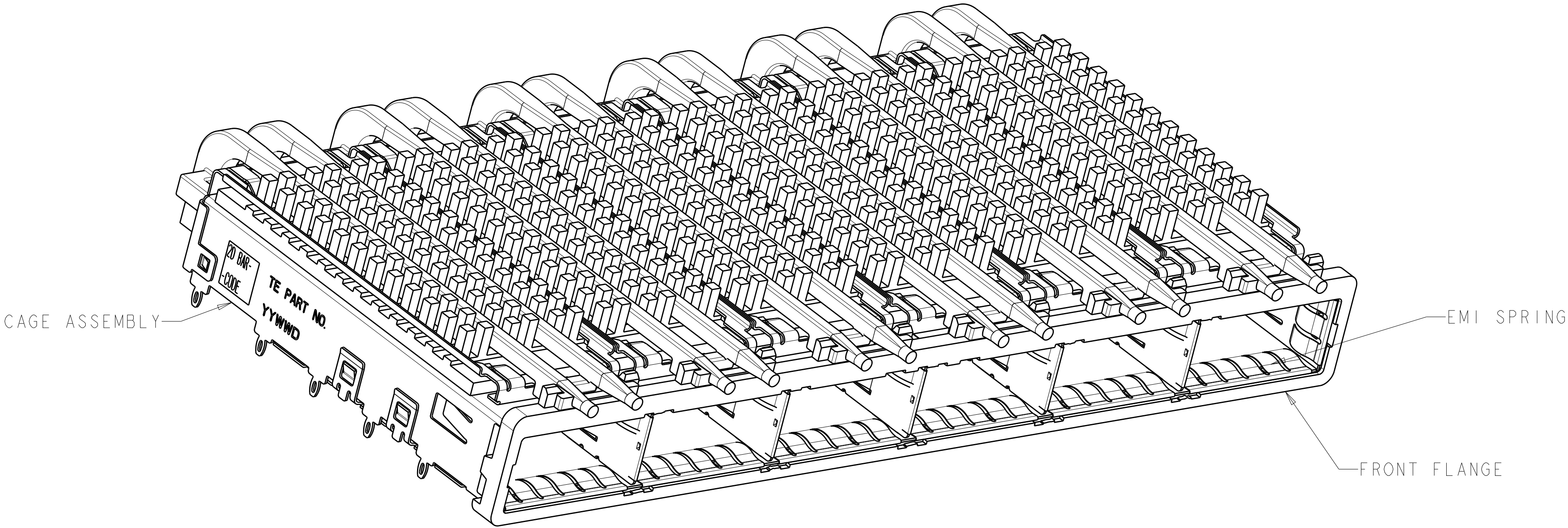
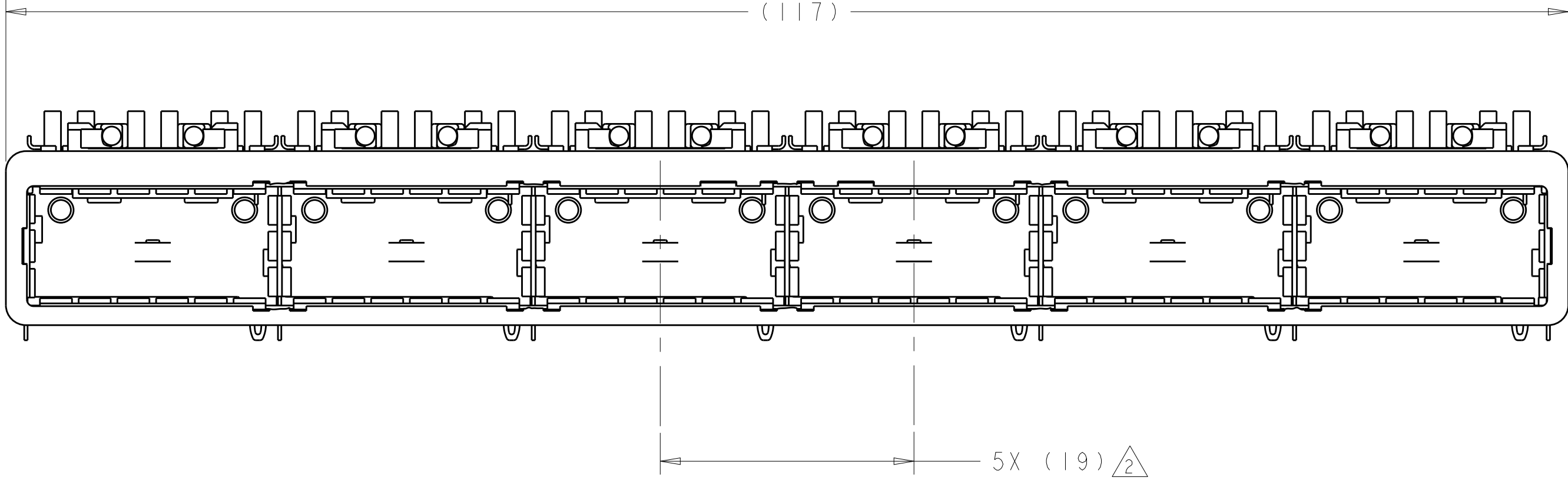
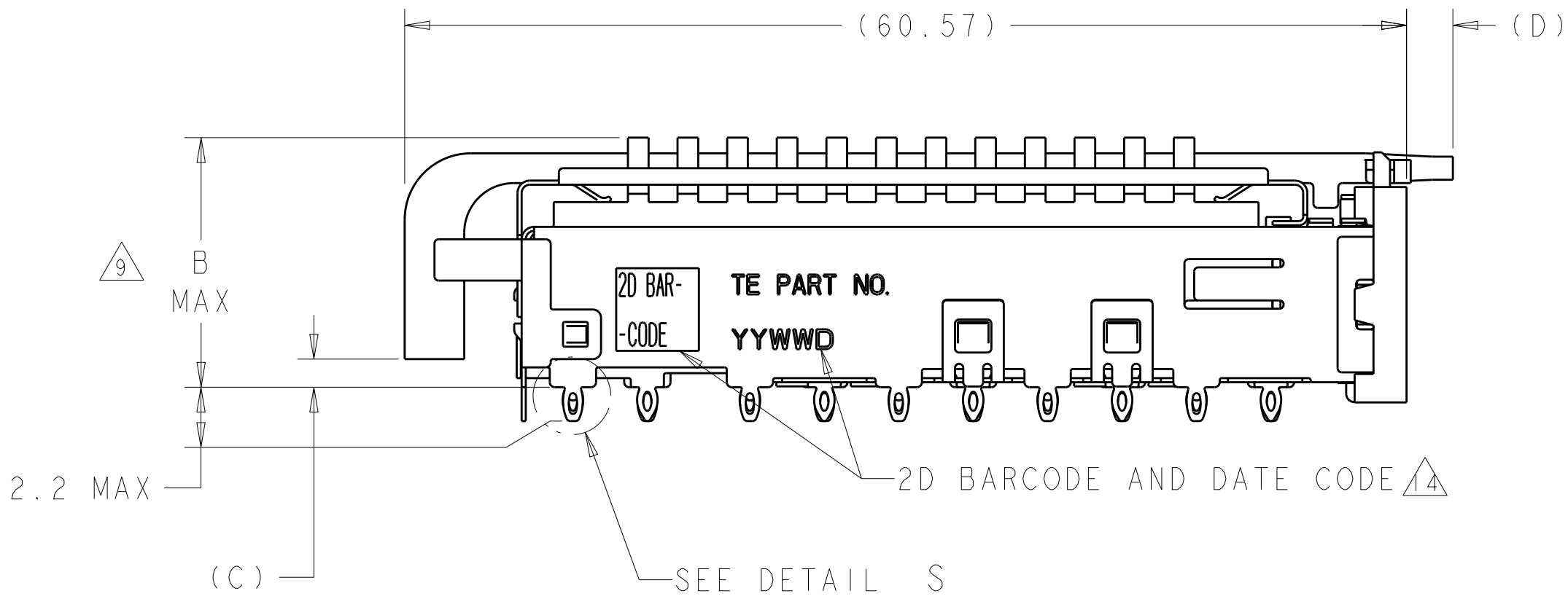
2D BARCODE AND DATE CODE (YYWWD) MARKED ON SIDE OF CAGE.

- 15

REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 16

EMI SPRING FINISH: 2µm MINIMUM TIN
FRONT FLANGE FINISH: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL
OVER 5.08µm MINIMUM COPPER.
HEAT SINK FINISH: NICKEL OR BLACK ANODIZED
- 17

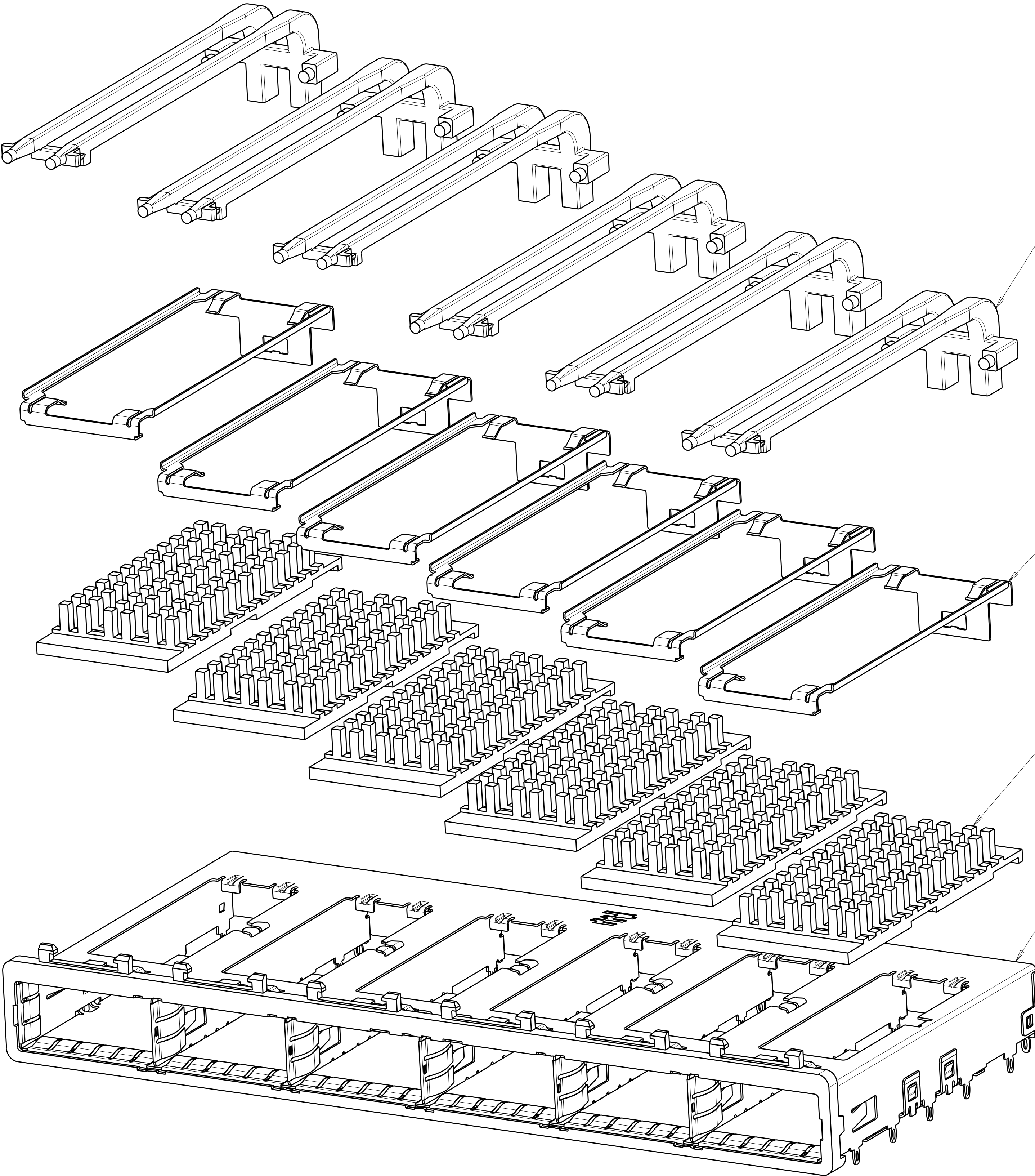
HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY.
LIGHT PIPES, SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CASE IS SEATED IN THE PCB.



1	0.8-1.1	2.8	1.70	23.0	NETWORKING	2143307-3
1	0.8-1.1	2.8	1.70	16.0	SAN	2143307-2
1	0.8-1.1	2.8	1.70	13.7	PCI	2143307-1
	E	D	C	B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	04MAR2010 04MAR2010 04MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE A1		
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.1		CAGE CODE 00779		
MATERIAL		FINISH		DRAWING NO 2143307		
1		16		CUSTOMER DRAWING		
				SCALE 3:1 SHEET 1 OF 5 REV A		

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	OWN	APVD
GP	00	-	-	SEE SHEET 1	-	-	-



DOUBLE LIGHT PIPES
QUANTITY: 6

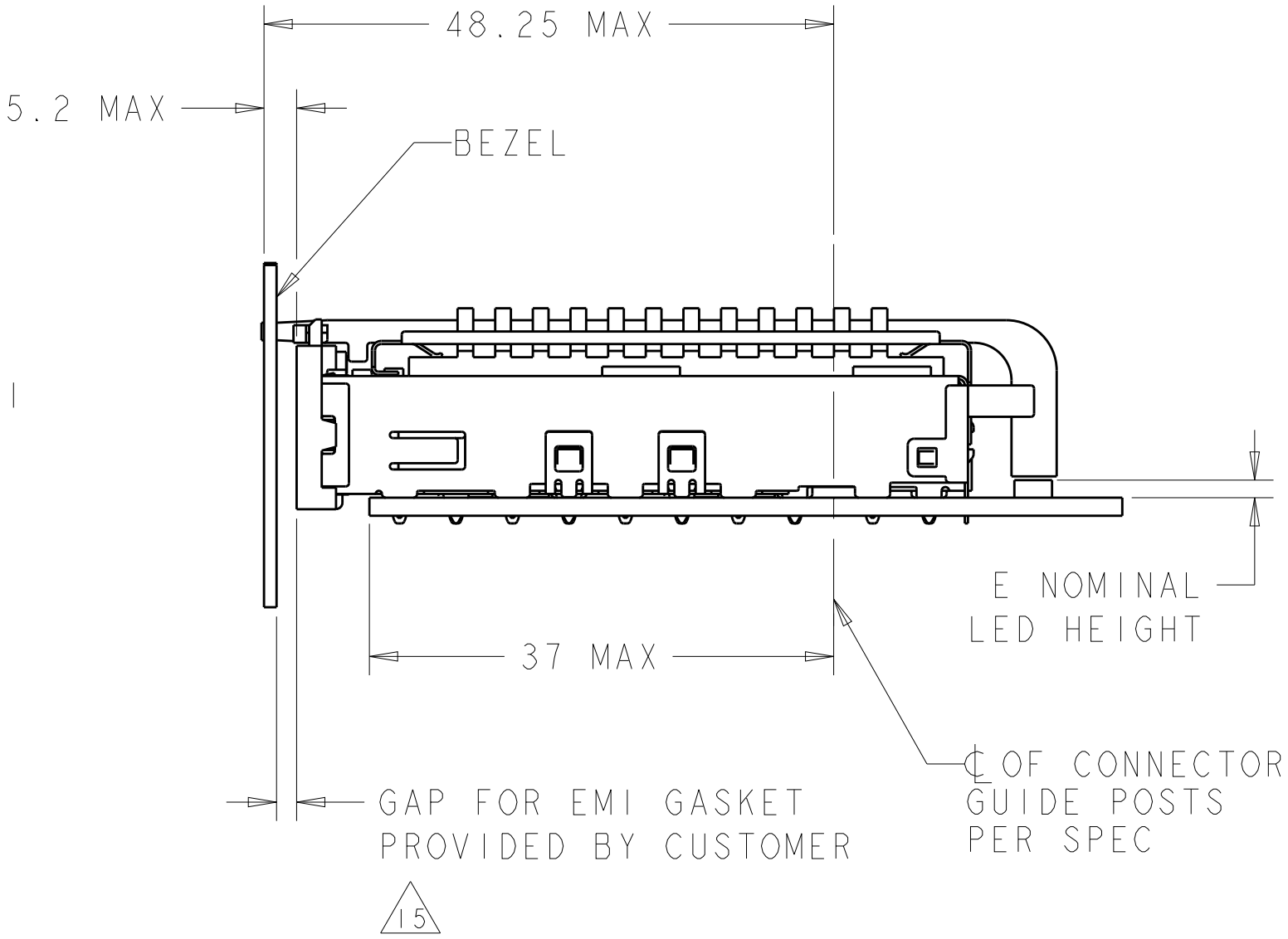
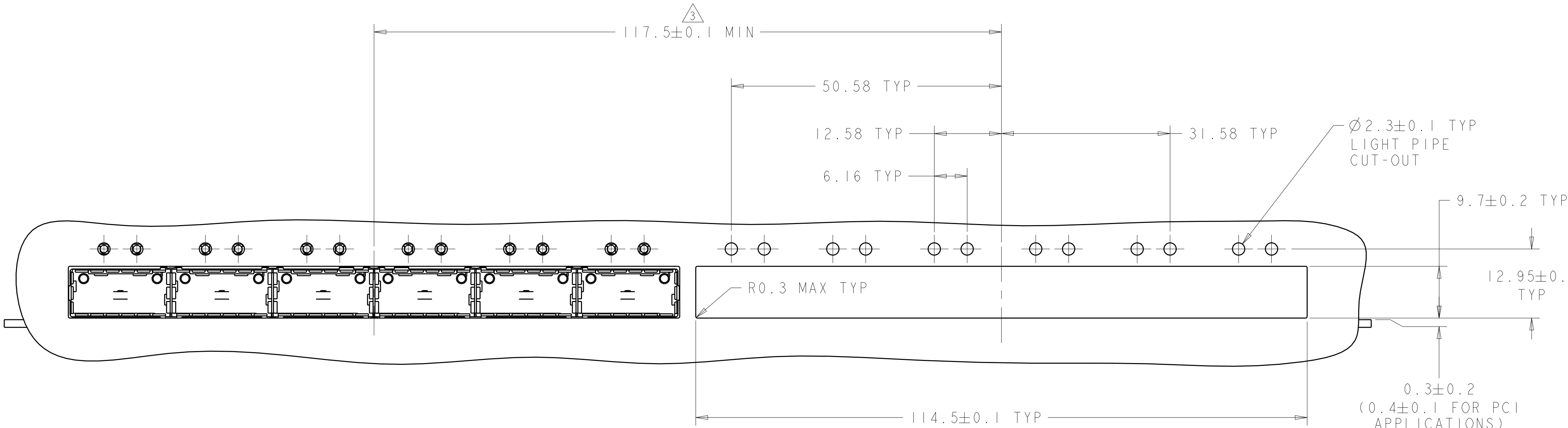
HEAT SINK CLIPS
QUANTITY: 6

72 PIN HEAT SINKS
QUANTITY: 6

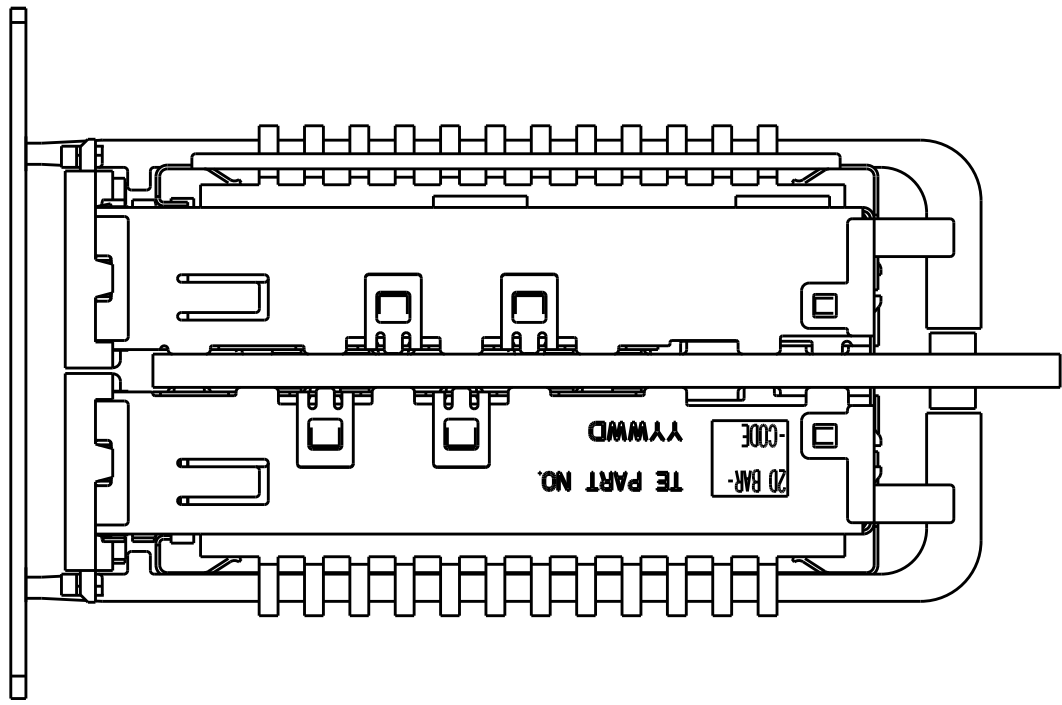
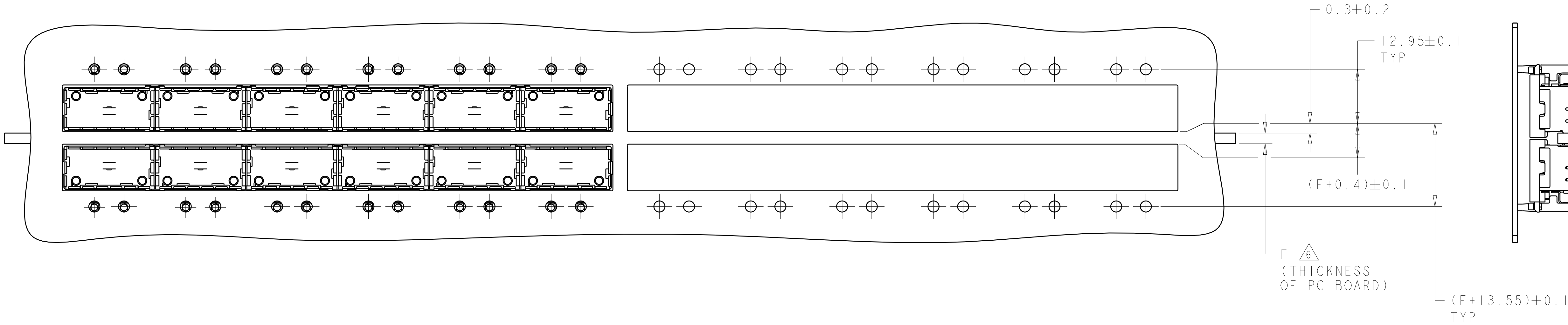
1X6 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	04MAR2010 04MAR2010 04MAR2010	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.1 FINISH		PRODUCT SPEC	
				108-2286	
MATERIAL				APPLICATION SPEC	
				114-13218	
				WEIGHT	
				-	
				CUSTOMER DRAWING	
				SIZE CAGE CODE DRAWING NO	
				A100779C=2143307	
				RESTRICTED TO	
				-	
				SCALE 3:1 SHEET 2 OF 5 REV A	

LOC		DIST		REVISIONS					
GP		00		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 DRAWING IS A CONTROLLED DOCUMENT.

DWN
C. VALENTINE
CHK
J. PETERSON
APVD
J. PETERSON

04MAR2010
04MAR2010
04MAR2010

DIMENSIONS:

mm

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES
FINISH

±
±0.1
±0.1
±0.013
±0.0001
°
-

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

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

MATERIAL

-

CUSTOMER DRAWING

TE Connectivity

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

SIZE
A100779

CAGE CODE
C=2143307

DRAWING NO
-

RESTRICTED TO
-

SCALE
3:1

SHEET
3

OF
5

REV
A

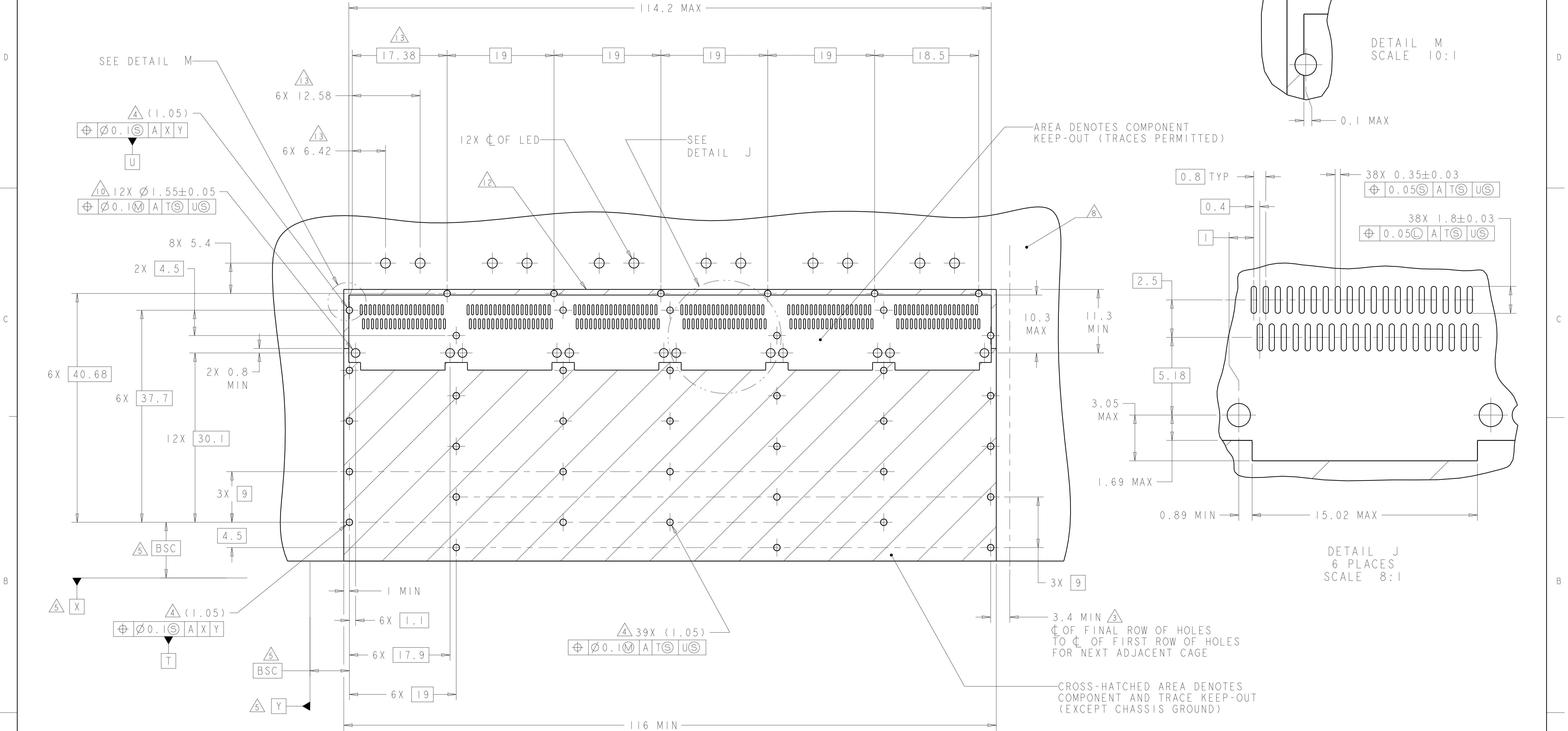
LOC		DIST		REVISIONS			
GP		00		P	LTR	DESCRIPTION	DATE
				-	-	SEE SHEET 1	-

D

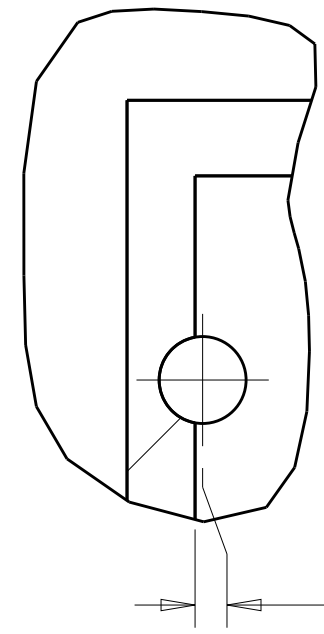
C

B

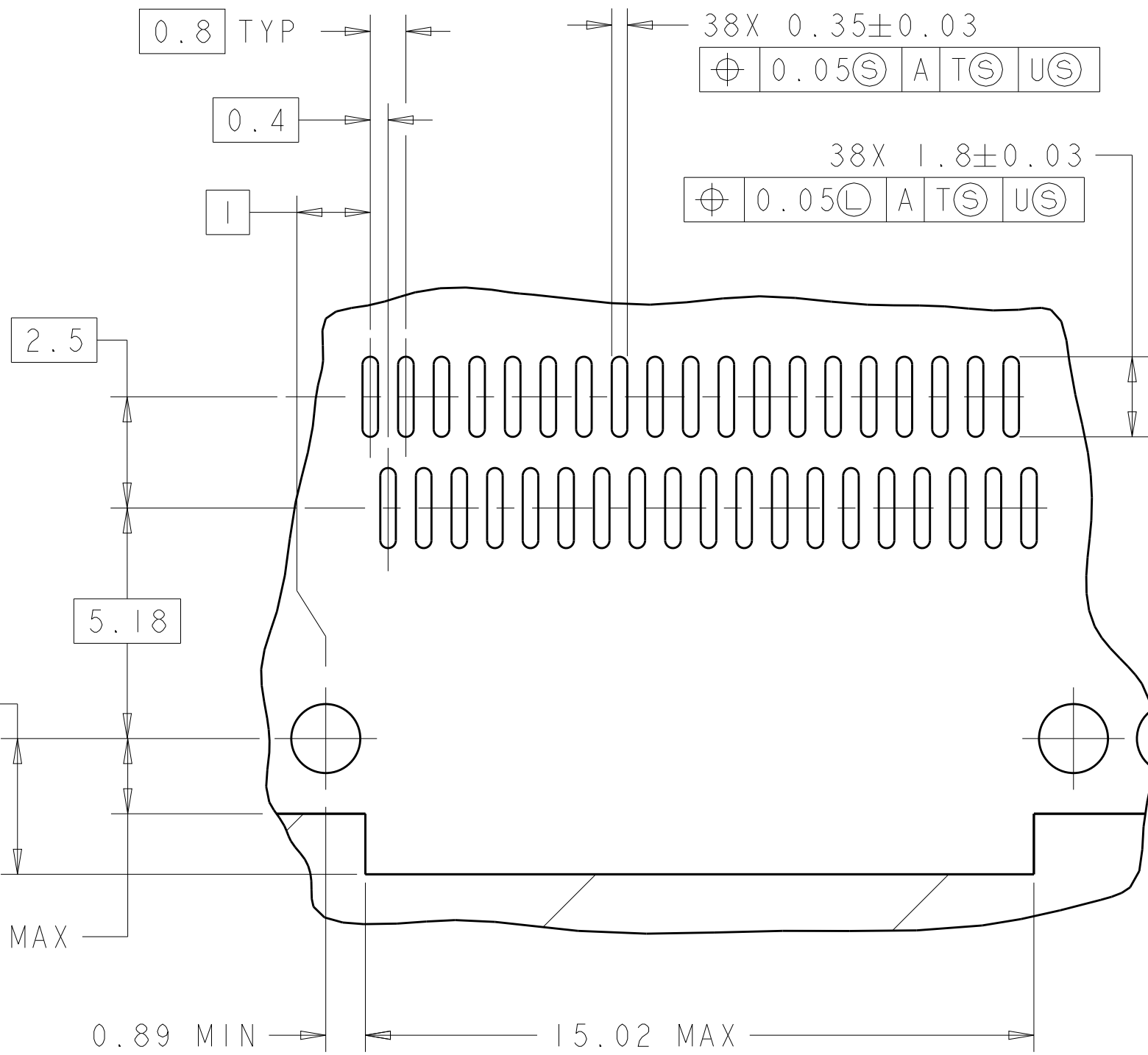
A



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



DETAIL M
SCALE 10:1



DETAIL J
6 PLACES
SCALE 8:1

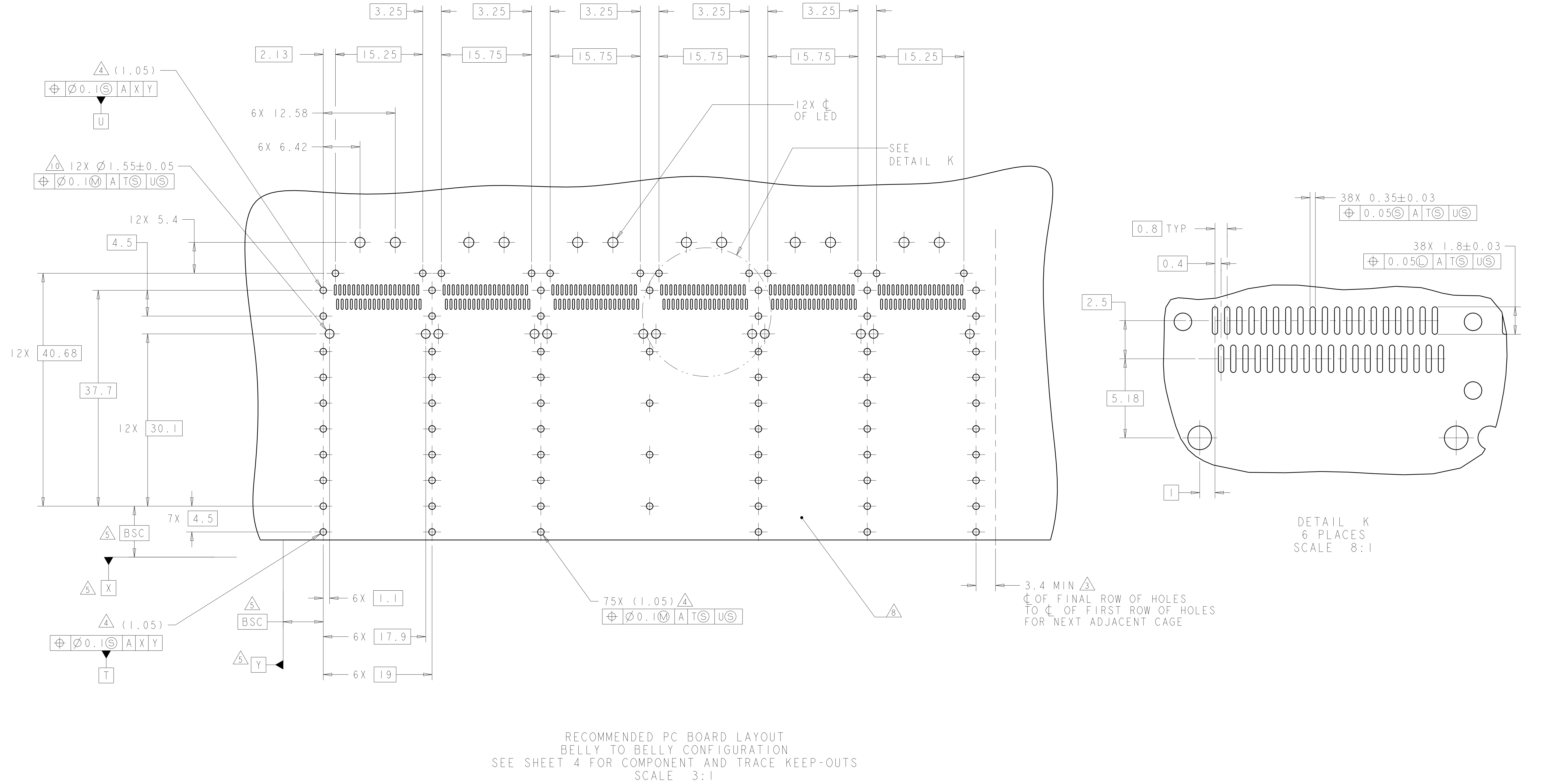
C

B

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	C. VALENTINE	04MAR2010	TE Connectivity		
DIMENSIONS:		CHK	J. PETERSON	04MAR2010			
mm		APVD	J. PETERSON	04MAR2010	NAME		
		TOLERANCES UNLESS OTHERWISE SPECIFIED:			1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP		
		0 PLC $\pm$ 0.1			PRODUCT SPEC		
		1 PLC $\pm$ 0.1			108-2286		
		2 PLC $\pm$ 0.1			APPLICATION SPEC		
		3 PLC $\pm$ 0.013			114-13218		
		4 PLC $\pm$ 0.0001			WEIGHT		
		ANGLES $\pm$ 0.0001			CUSTOMER DRAWING		
		FINISH			SCALE 3:1 SHEET 4 OF 5 REV A		
MATERIAL							

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
GP	00	-	-	SEE SHEET 1	-	-



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DWN
C. VALENTINE
CHK
J. PETERSON
APVD
J. PETERSON

04MAR2010
04MAR2010
04MAR2010

DIMENSIONS:

mm

0 PLC ±.1
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±.1
FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

NAME
IX6 CAGE ASSEMBLY, BEHIND BEZEL,
W/ LIGHT PIPES AND HEAT SINKS,
QSFP

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=2143307

RESTRICTED TO
-

SCALE
3:1

SHEET
5

OF
5

REV
A

TE

TE Connectivity

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