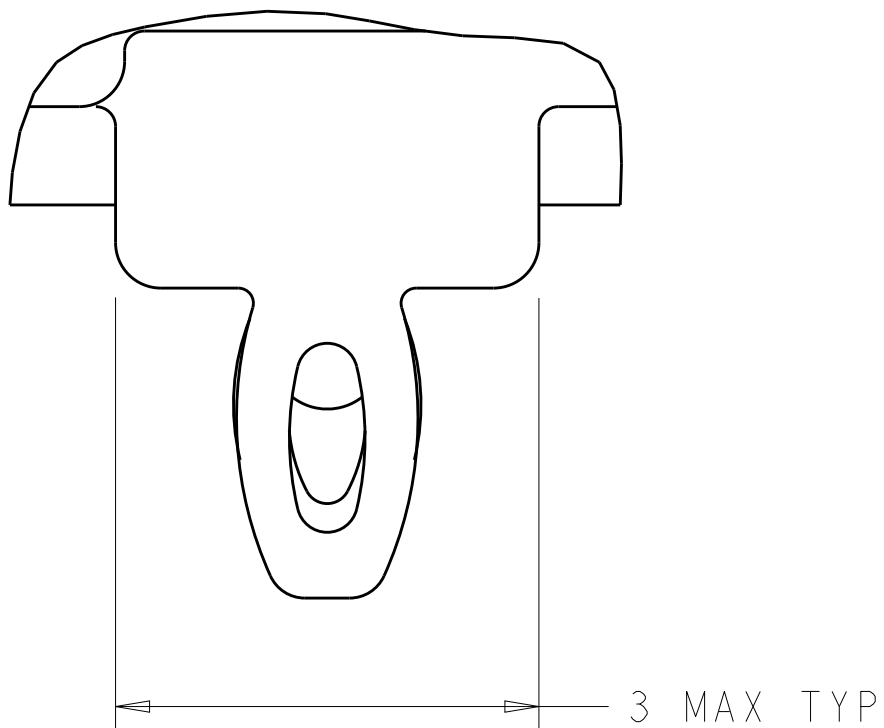


LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	DWN	APVD	
GP	00		4	UPDATED VIEWS	30MAR2011	AL	CW	
			5	REVISED PER ECO-12-003841	14MAR2012	TY	KS	
			6	REVISED PER ECO-12-005533	05APR2012	JY	AC	
			A	REVISED PER ECO-15-000148	10APR2015	RG	MC	



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
- 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 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

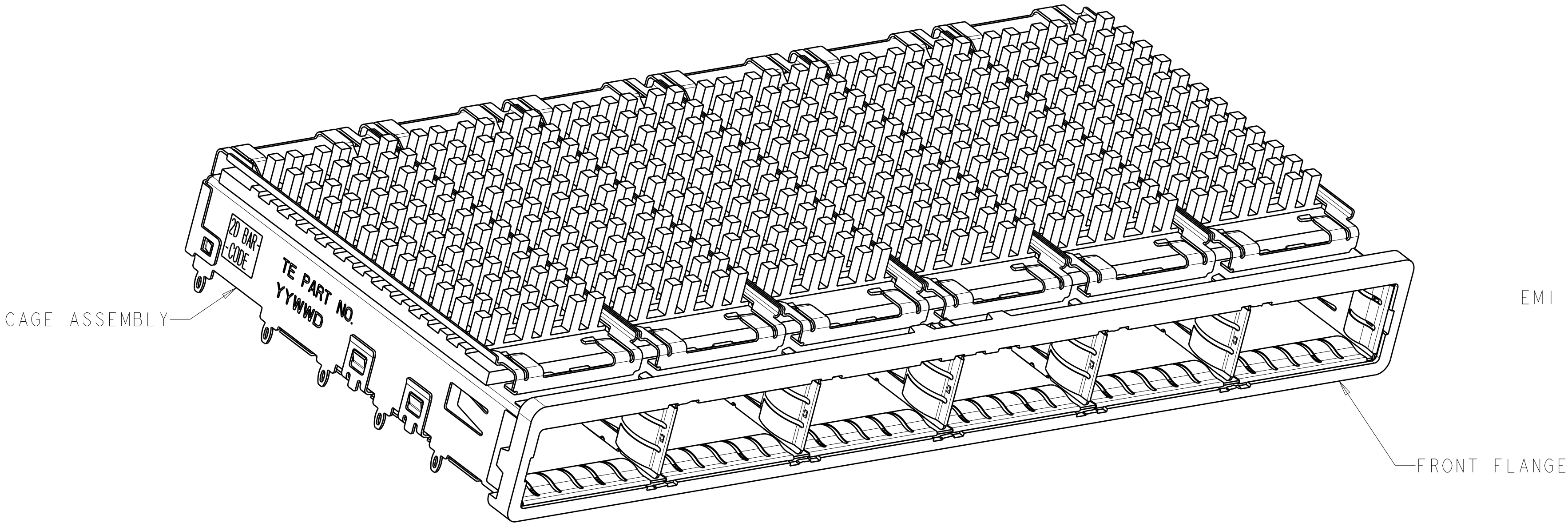
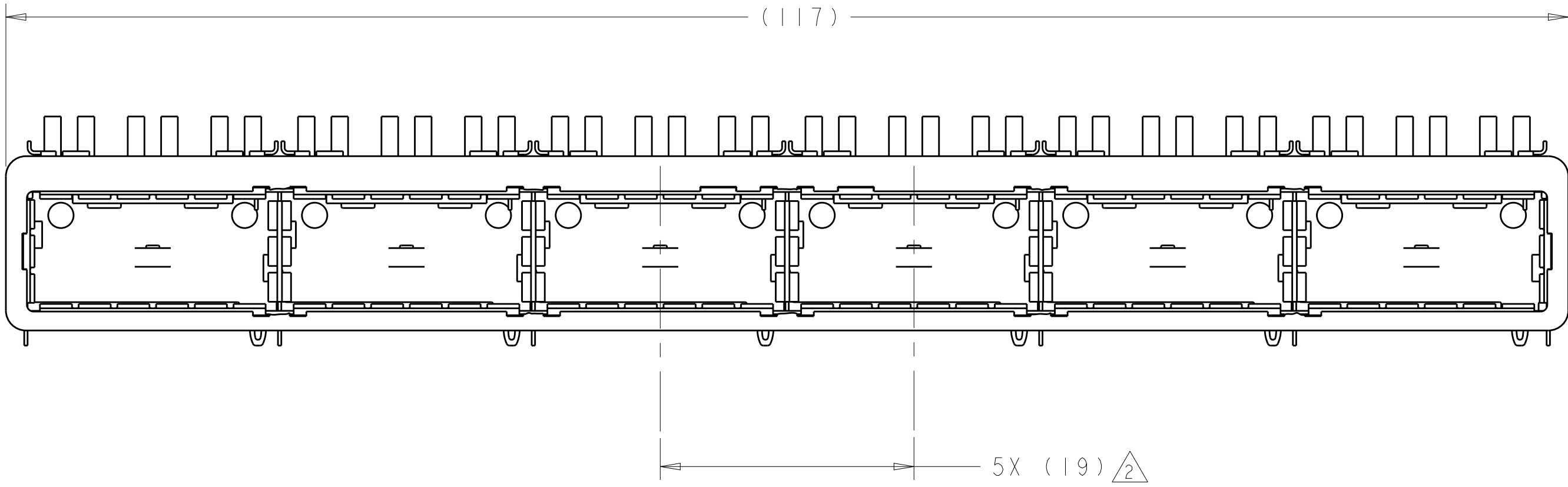
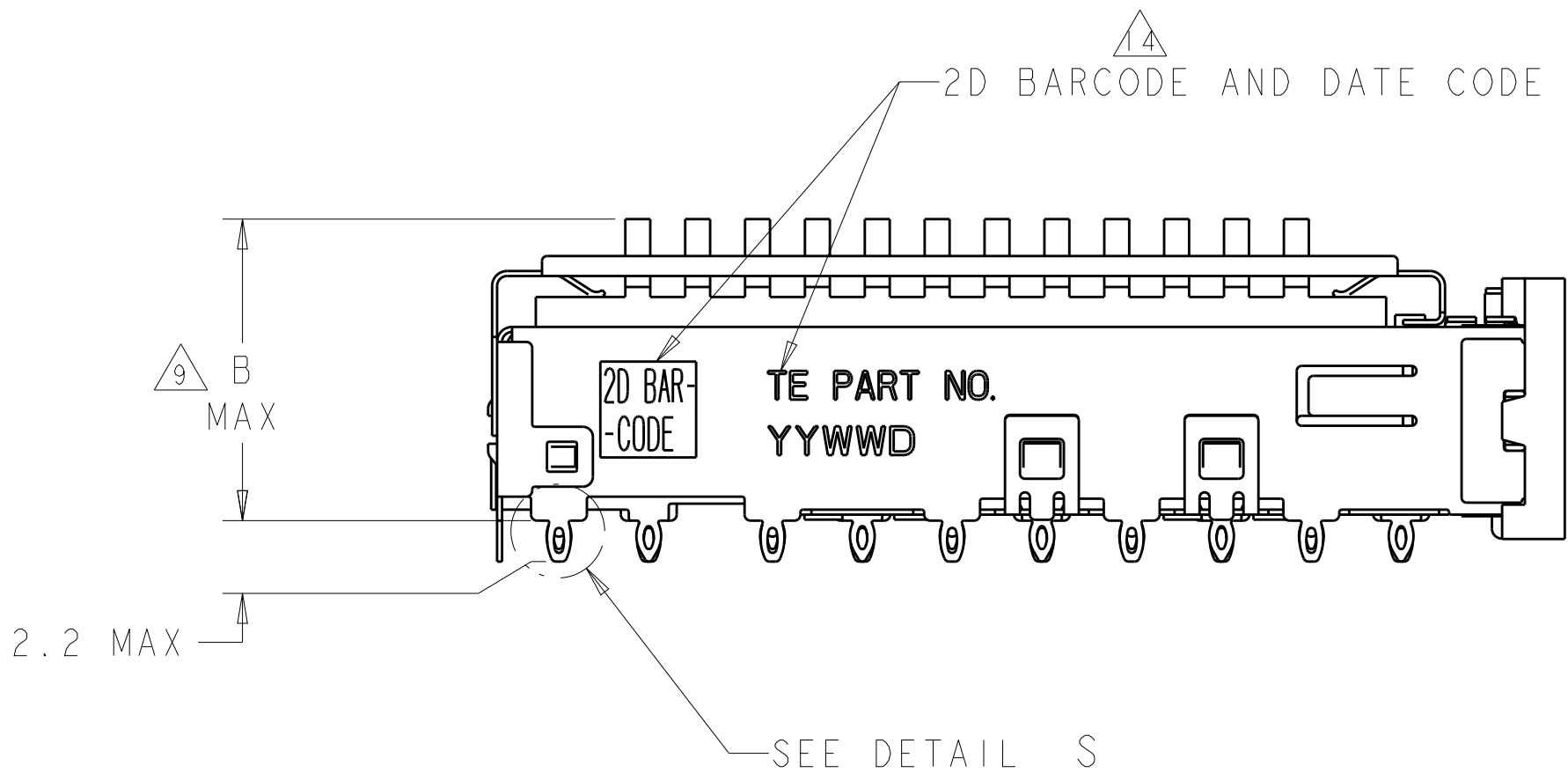
BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- 14

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


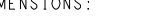


- 15

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

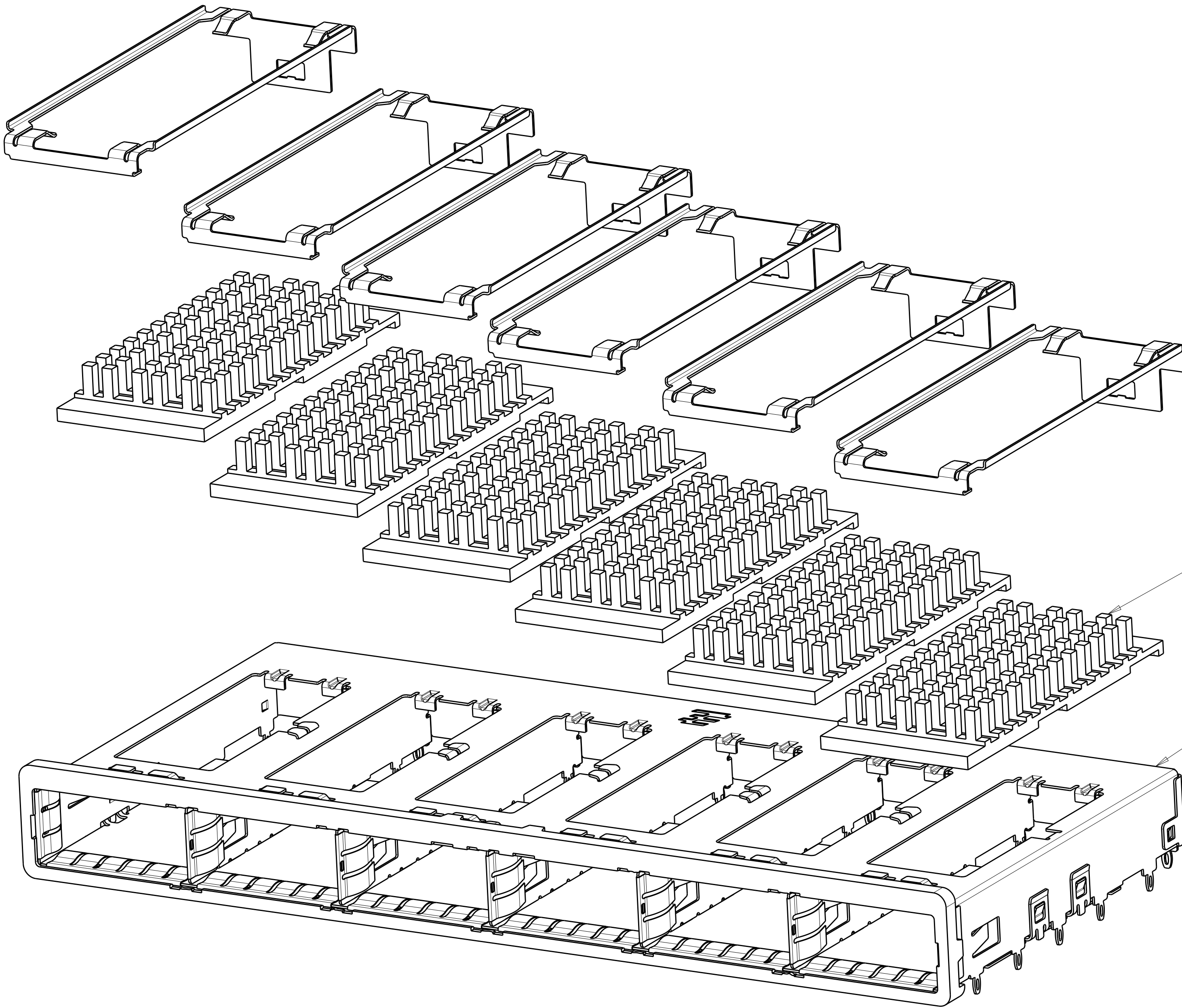
EMI SPRING FINISH: 2um MINIMUM TIN
FRONT FLANGE FINISH: 3um MINIMUM TIN OVER 1.27um MINIMUM NICKEL
OVER 5.08um MINIMUM COPPER.
HEAT SINK FINISH: NICKEL



23.0	NETWORKING	2143330-3
16.0	SAN	2143330-2
13.7	PCI	2143330-1
B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE	17MAR2010	 TE Connectivity	
DIMENSIONS:		CHK J. PETERSON	17MAR2010		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. PETERSON	17MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP	SIZE A100779
		PRODUCT SPEC 108-2286			
	0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES	APPLICATION SPEC 114-13218		DRAWING NO C=2143330	RESTRICTED TO -
		WEIGHT -			
MATERIAL	FINISH	Customer Drawing		SCALE 3:1	SHEET 1
				OF 5	REV A


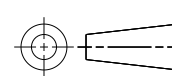
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

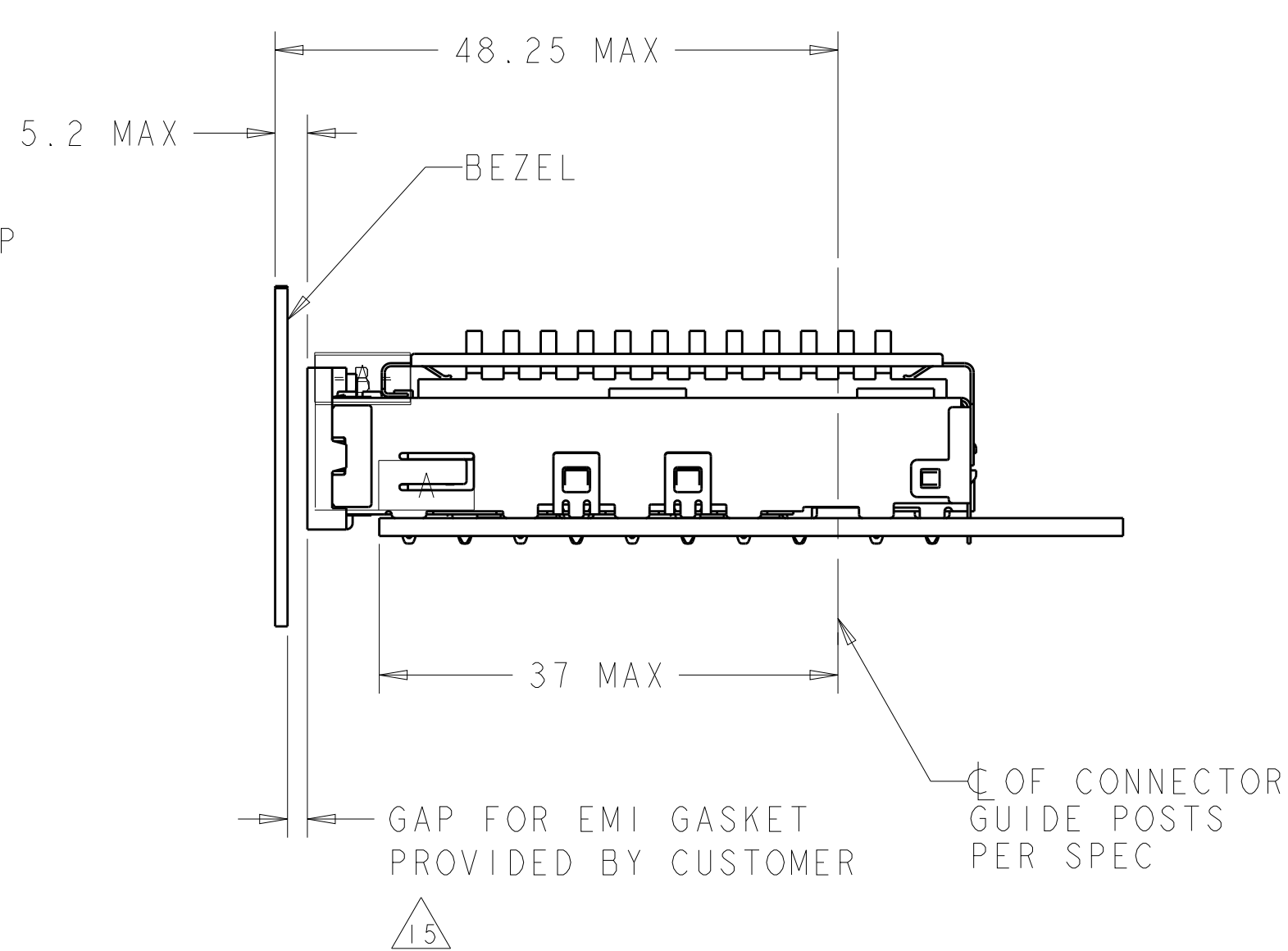


HEAT SINK CLIPS
QUANTITY: 6

72 PIN HEAT SINKS
QUANTITY: 6

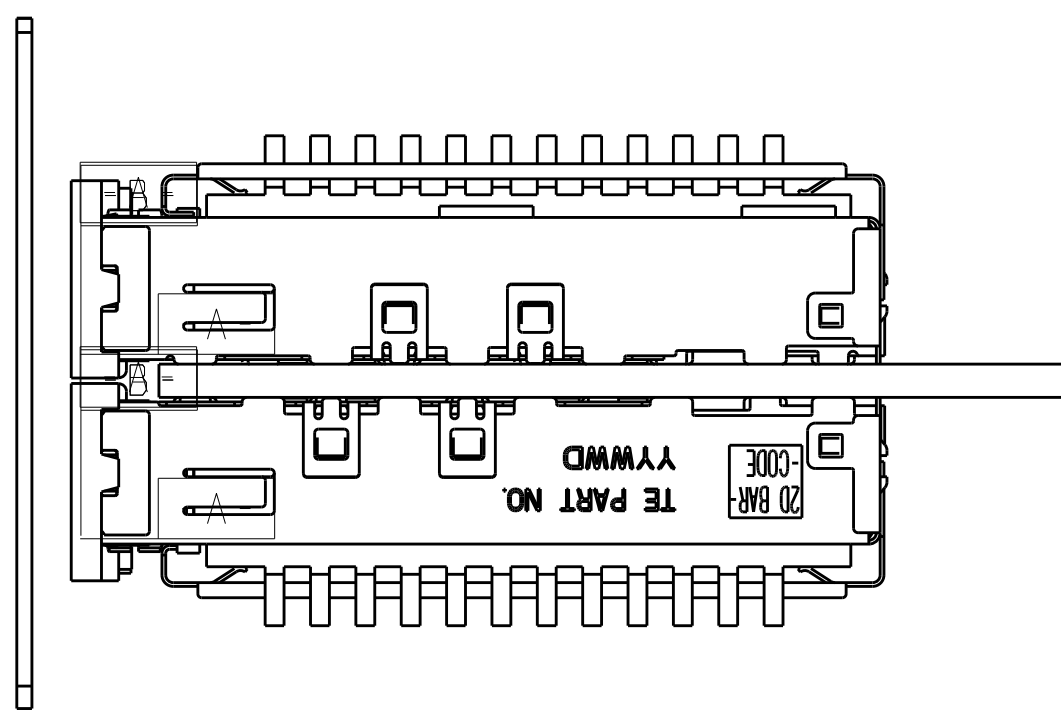
1X6 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	C. VALENTINE	17MAR2010	 TE Connectivity		
		CHK	J. PETERSON	17MAR2010			
DIMENSIONS:		APVD	J. PETERSON	17MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP		
mm		PRODUCT SPEC					
		108-2286			SIZE	CAGE CODE	
		APPLICATION SPEC					
		114-13218					
		WEIGHT					
MATERIAL		Customer Drawing			RESTRICTED TO		
					A100779C=2143330		
					SCALE 3:1		
					SHEET 2 OF 5		
					REV A		





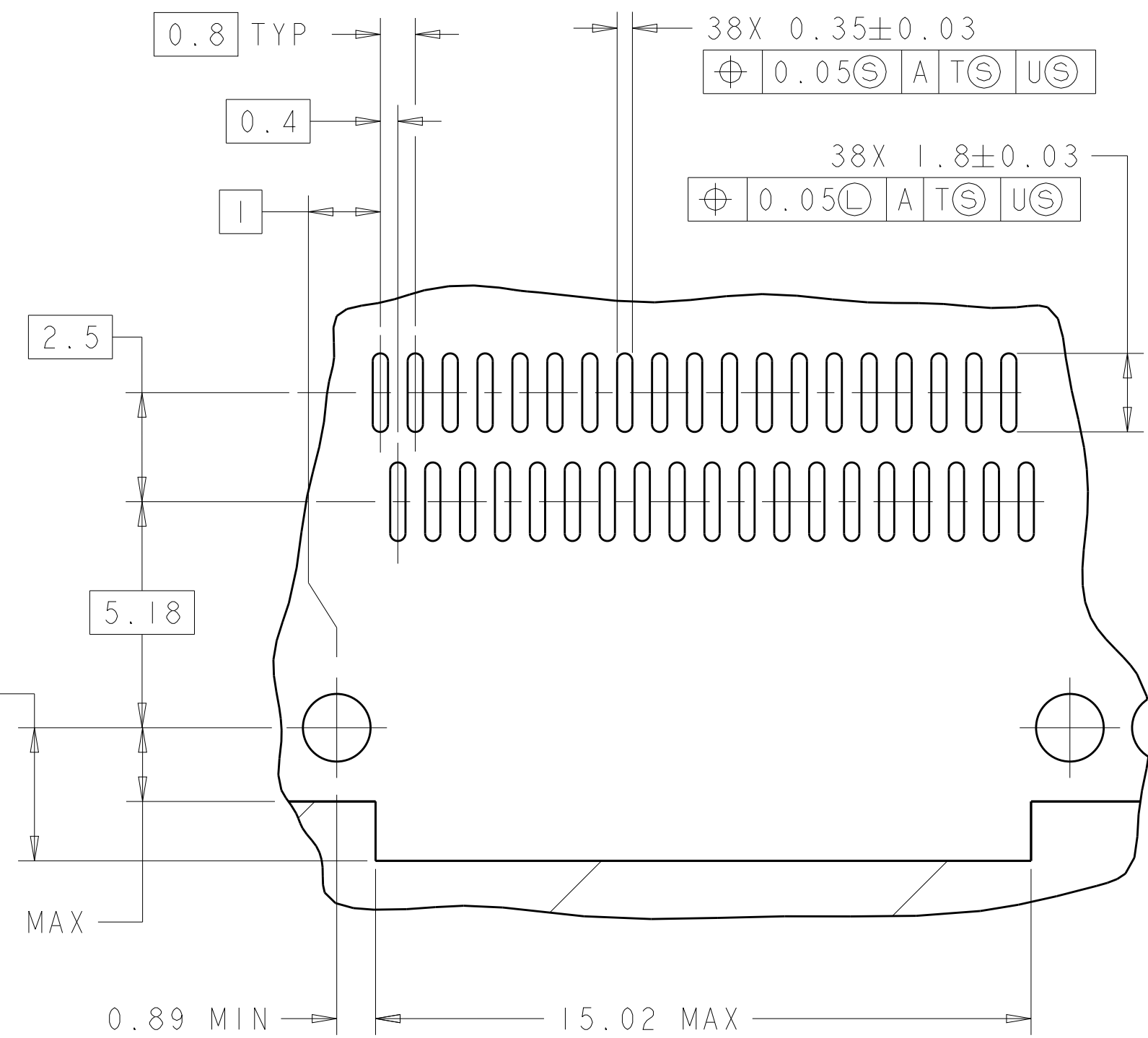
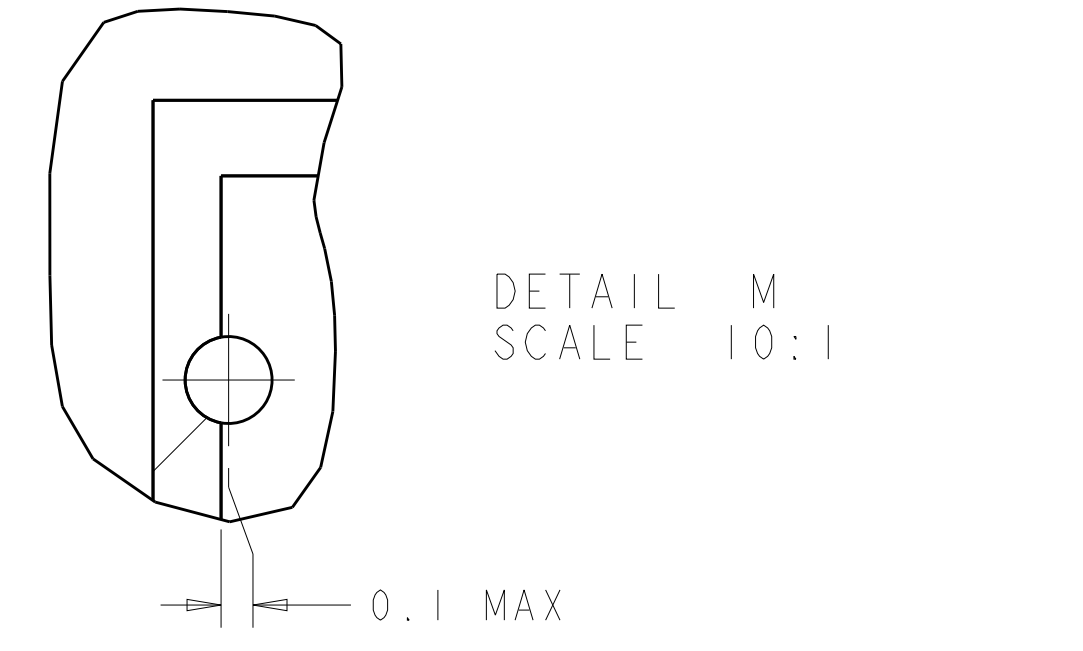
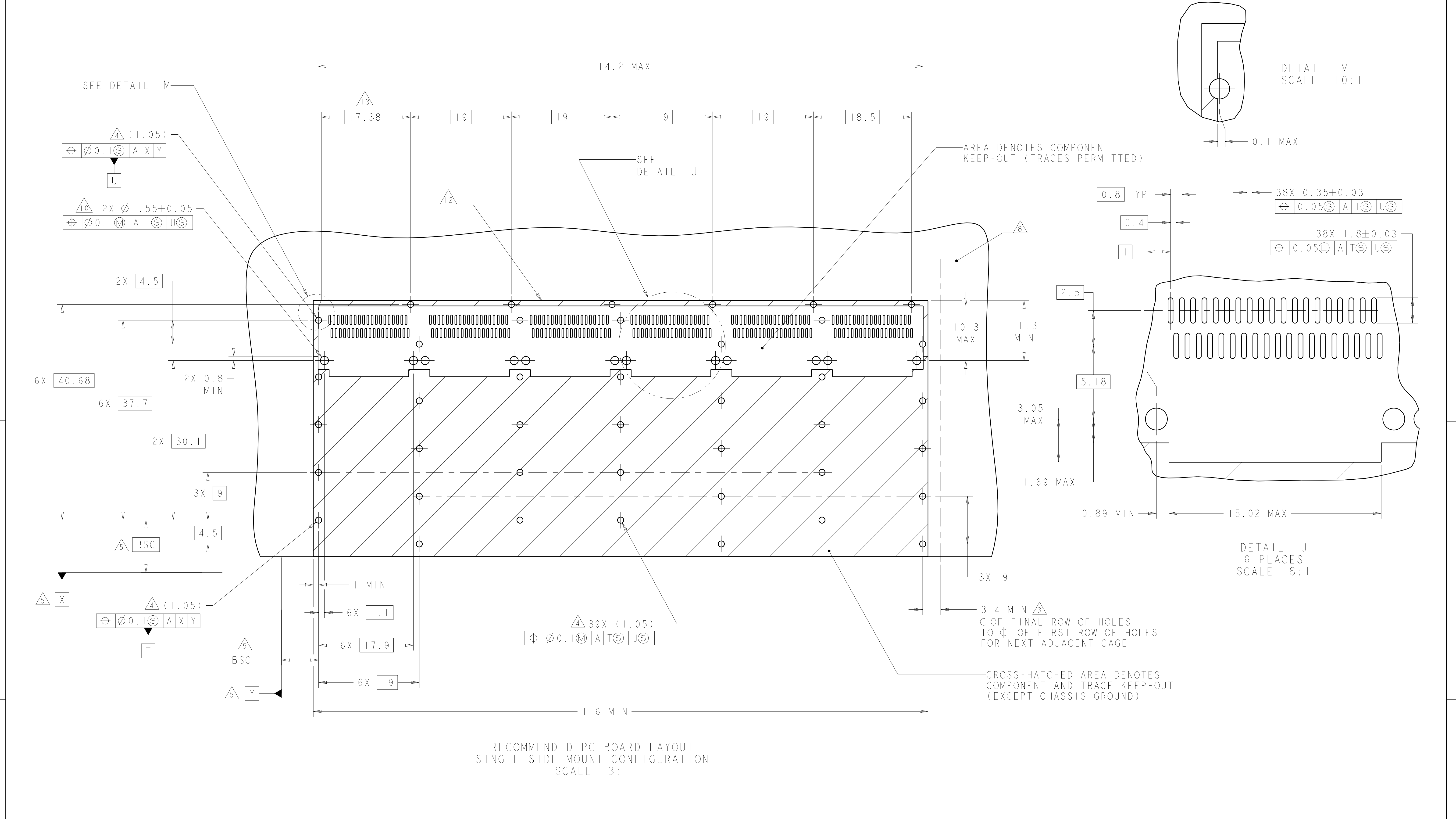
GAP FOR EMI GASKET
 PROVIDED BY CUSTOMER

OF CONNECTOR
 GUIDE POSTS
 PER SPEC

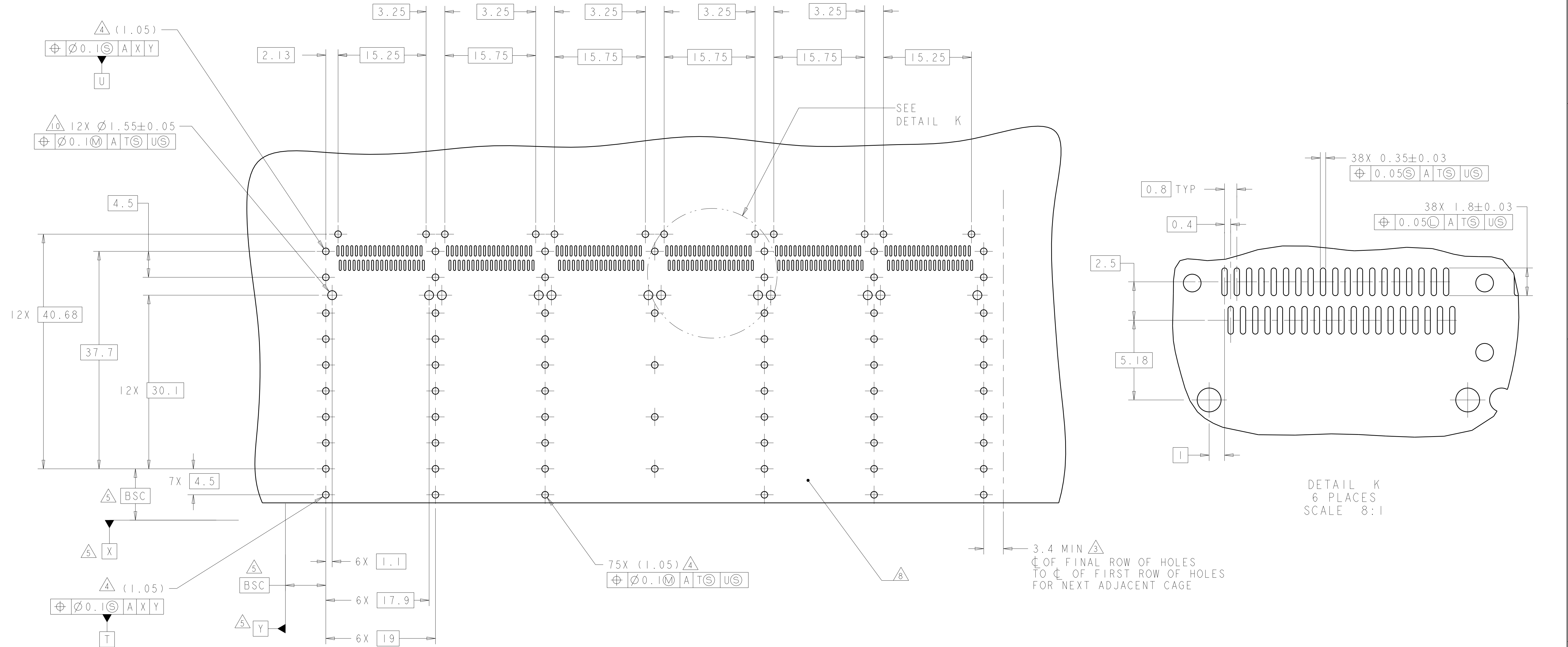


F 
(THICKNESS
OF PC BOARD)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE	17MAR2010	 TE Connectivity	
		CHN J. PETERSON	17MAR2010		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
		APVD J. PETERSON		PRODUCT SPEC	
MATERIAL -		APPLICATION SPEC 114-13218		SIZE CAGE CODE DRAWING NO	
FINISH -		WEIGHT -		A 00779 © = 2143330	
		Customer Drawing		SCALE 3:1	SHEET 3 OF 5 REV A



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



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN C. VALENTINE	7MAR2010	TE Connectivity	
		CHK J. PETERSON	7MAR2010		
DIMENSIONS:		APVD J. PETERSON	7MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP	
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
				APPLICATION SPEC	
				SIZE CAGE CODE DRAWING NO	
				RESTRICTED TO	
				A100779C=2143330	
MATERIAL		WEIGHT		SCALE 4:1	
				SHEET 5 OF 5	
				REV A	