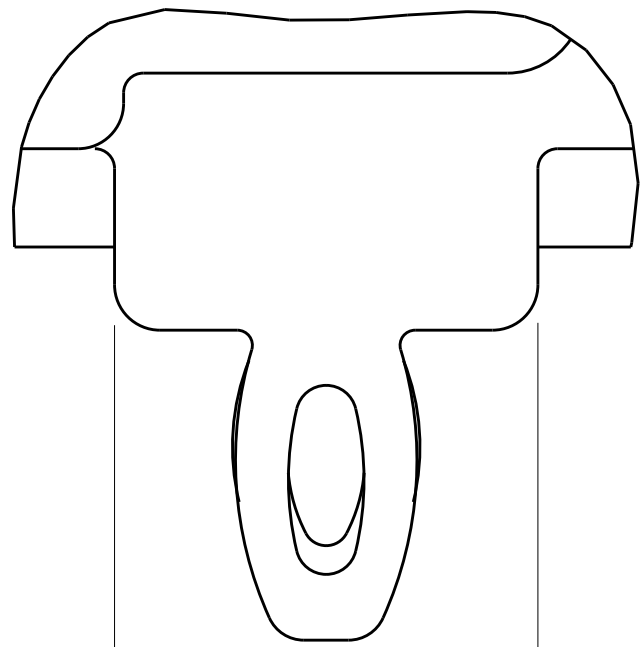


LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	DWN	APVD	
GP	00		D	REVISED PER ECO-12-003841	14MAR2012	TY	KS	
			E	REVISED PER ECO-12-005533	31MAR2012	JY	AC	
			F	REVISED PER ECO-14-017735	30EC2014	RG	MC	



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
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE
- 2

PITCH BETWEEN PORTS OF ONE 1X4 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 C 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 CLIP 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

MAXIMUM HEIGHT OF LED OFF BOARD: 0.9mm.
- 12

MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 13

SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- 14

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

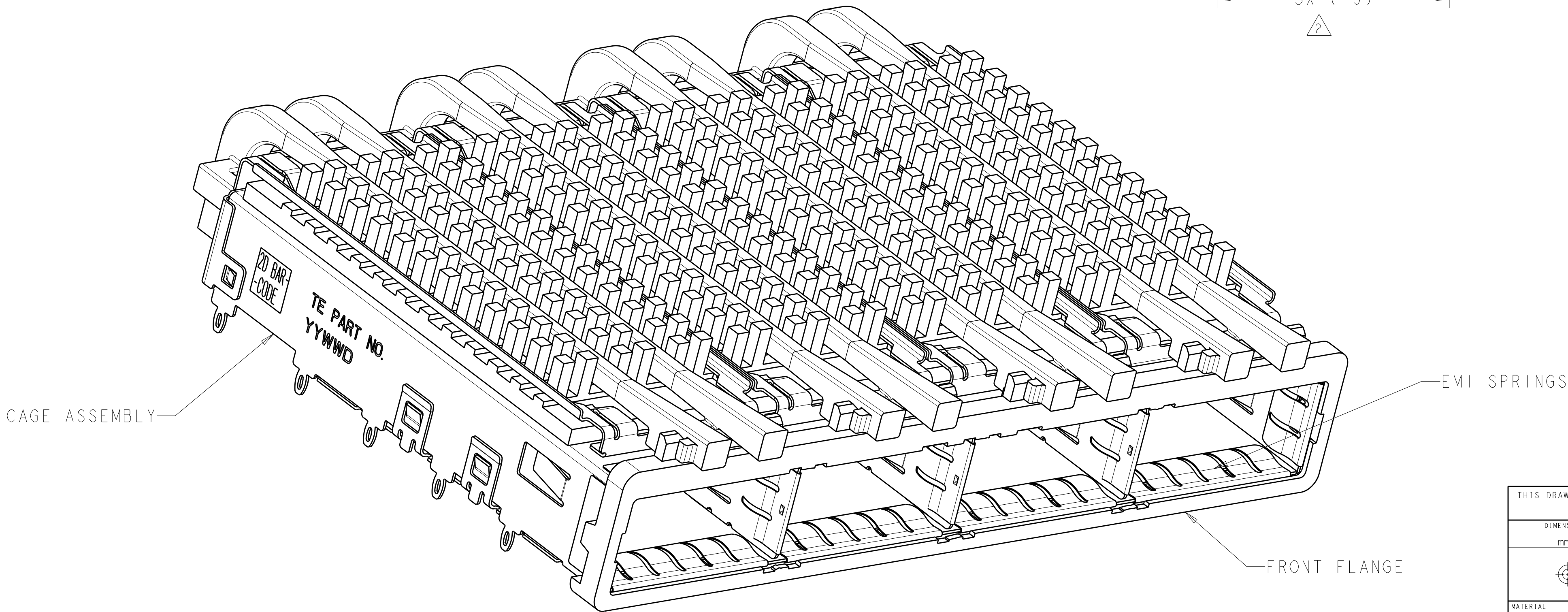
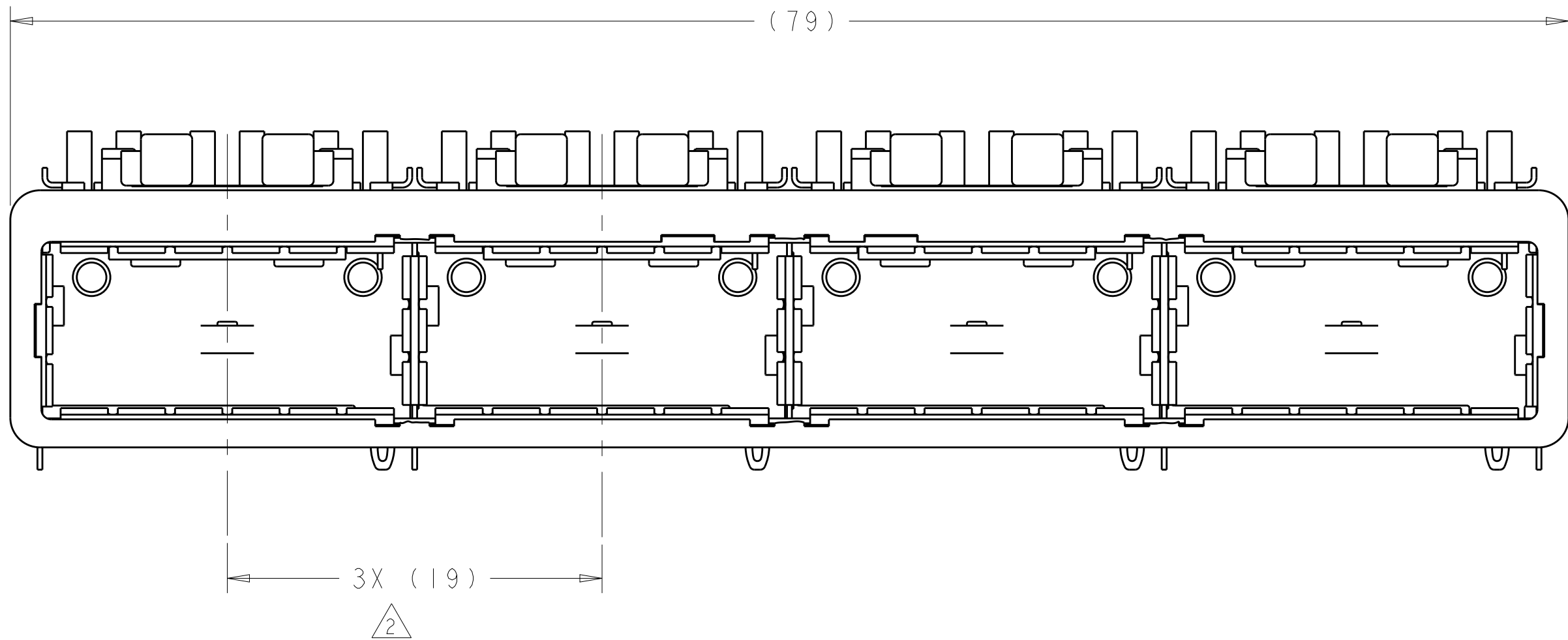
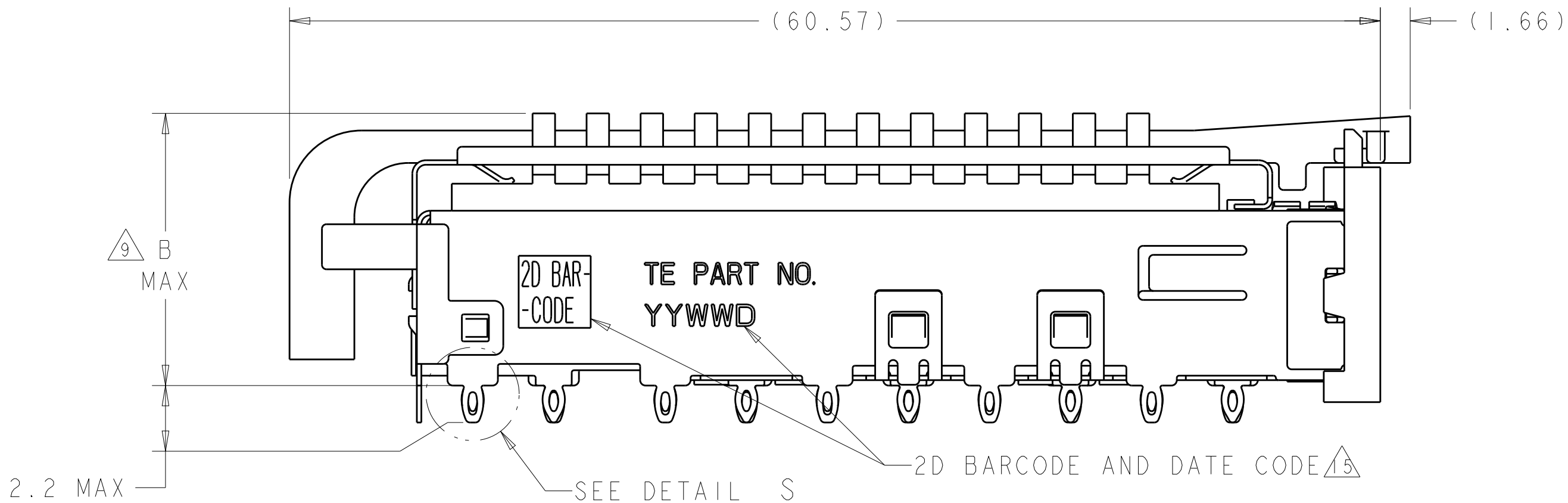
- 15

2D BARCODE AND DATE CODE (YYWW) MARKED ON SIDE OF CAGE ASSEMBLY.
- 16

REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 17

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.
- 18

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.



B	13.7	PCI	2007626-3
	23.0	NETWORKING	2007626-2
	16.0	SAN	2007626-1
	B	HEAT SINK PROFILE	PART NUMBER


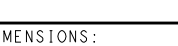
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK E. BRIGHT APVD F. BRIGHT	28FEB2008 28FEB2008 28FEB2008	NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS, QSFP	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±.1 3 PLC ±. 4 PLC ±. ANGLES ±. FINISH		APPLICATION SPEC	
MATERIAL		WEIGHT		SIZE CAGE CODE DRAWING NO	
1		17		A100779C=2007626	
CUSTOMER DRAWING		SCALE 1:1		SHEET 1 OF 5	
				REV F	

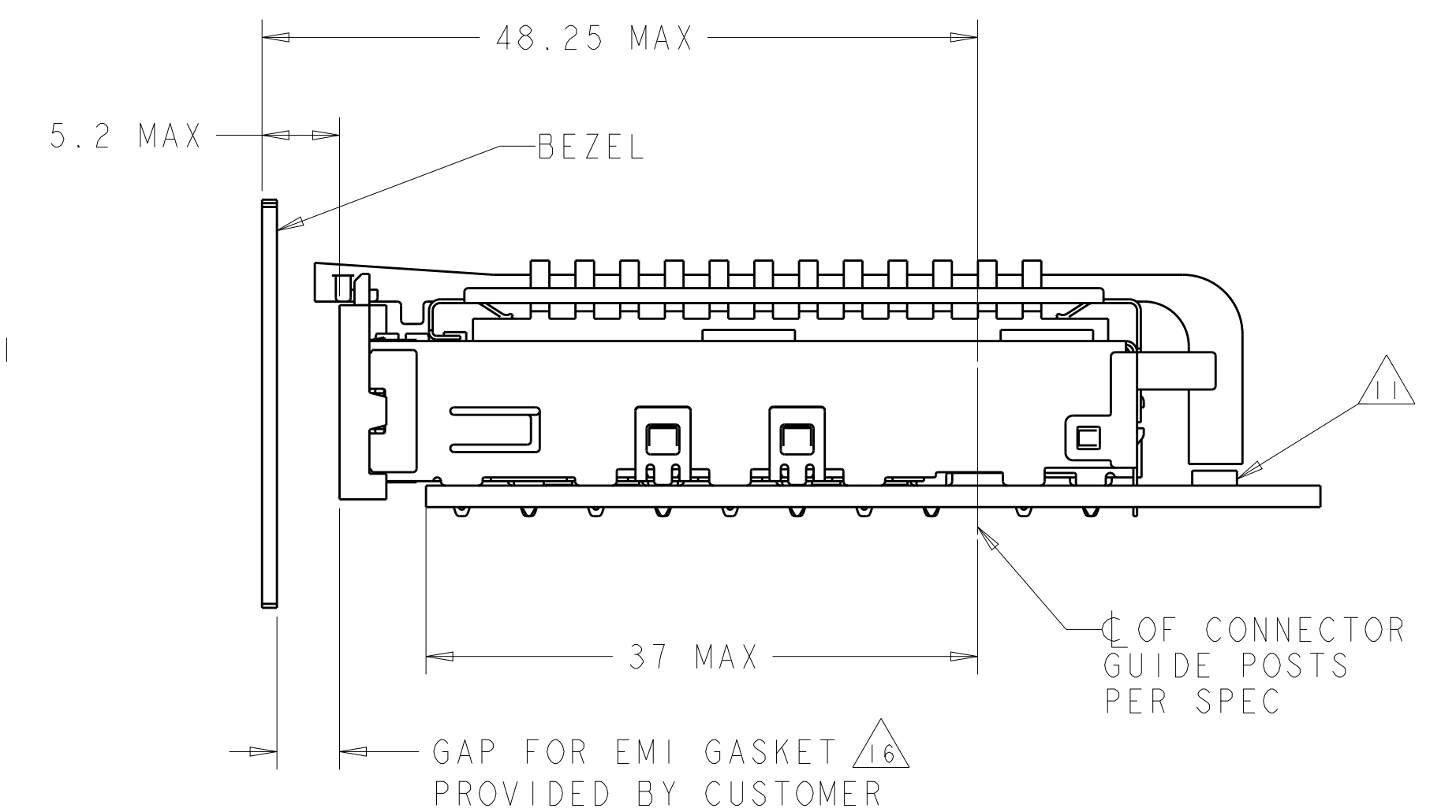


—HEAT SINK CLIPS  
QUANTITY: 4

—72 PIN HEAT SINKS  
QUANTITY: 4

—IX4 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

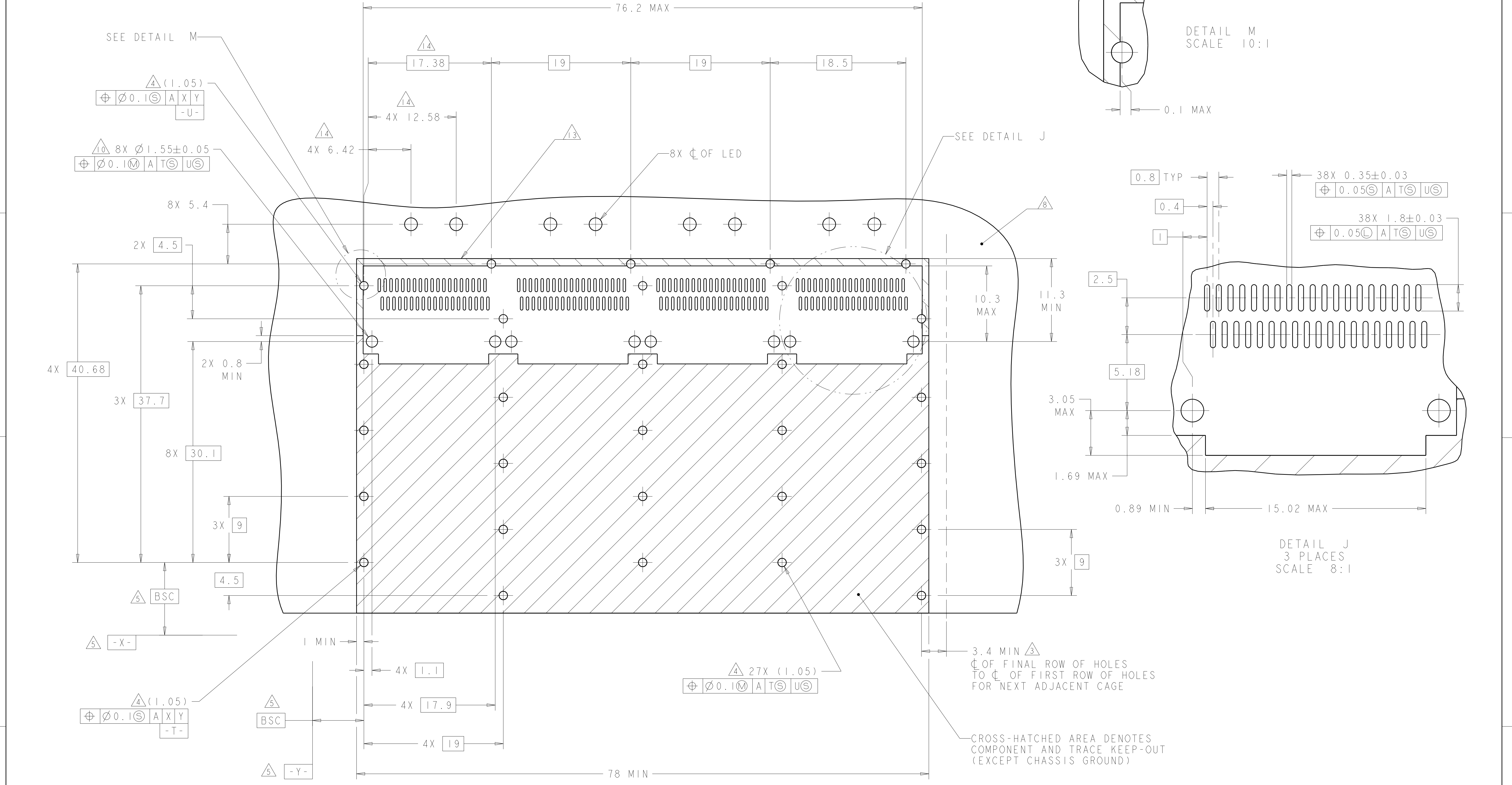
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 28FEB2008 C. VALENTINI		 TE Connectivity	
		CHG 28FEB2008 E. BRIGHT			
DIMENSIONS:		APVD 28FEB2008 E. BRIGHT		NAME	
mm		PRODUCT SPEC		1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS, QSFP	
		108-2286 APPLICATION SPEC			
MATERIAL		WEIGHT		SIZE	
-		-		CAGE CODE	
-		-		DRAWING NO	
-		-		A100779	
-		-		C=2007626	
-		-		RESTRICTED TO	
-		-		-	
-		-		CUSTOMER DRAWING	
-		-		SCALE	
-		-		1:1	
-		-		SHEET	
-		-		2 OF 5	
-		-		REV	
-		-		F	



TE PART NO. 20-0000-0000

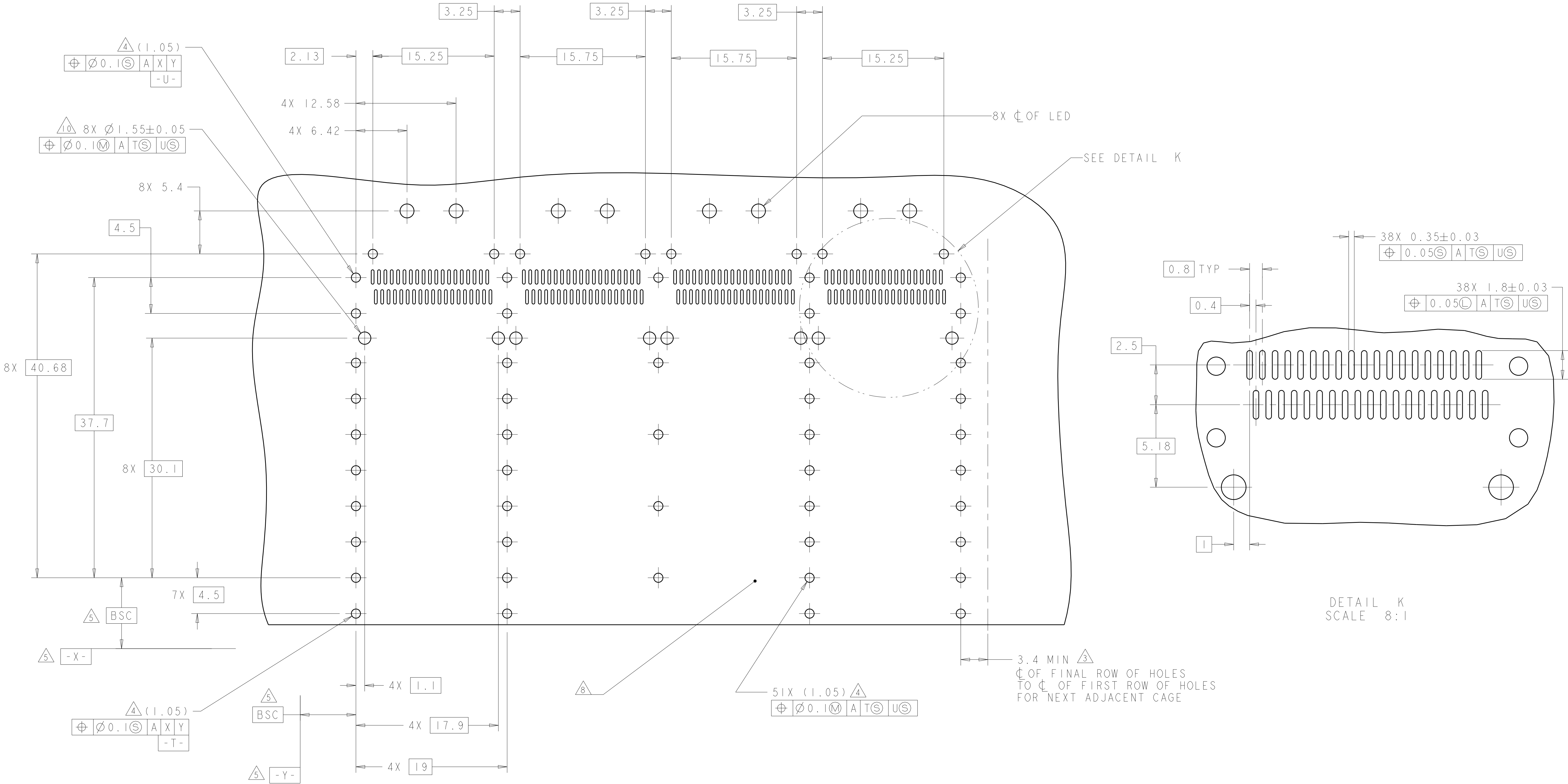
20-0000-0000

4805 (3/11)





RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 4:1

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



RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT AND TRACE KEEPOUTS.
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK E. BRIGHT APVD F. BRIGHT	28FEB2008 28FEB2008 28FEB2008	 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±. 4 PLC ±. ANGLES ±.		NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS, QSFP	
		PRODUCT SPEC 108-2286		SIZE A	
MATERIAL		APPLICATION SPEC		CAGE CODE DRAWING NO	
FINISH		WEIGHT		RESTRICTED TO	
				A100779C=2007626	
		CUSTOMER DRAWING		SCALE 4:1 SHEET 5 OF 5 REV F	

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[TE Connectivity:](#)

[2007626-3](#)