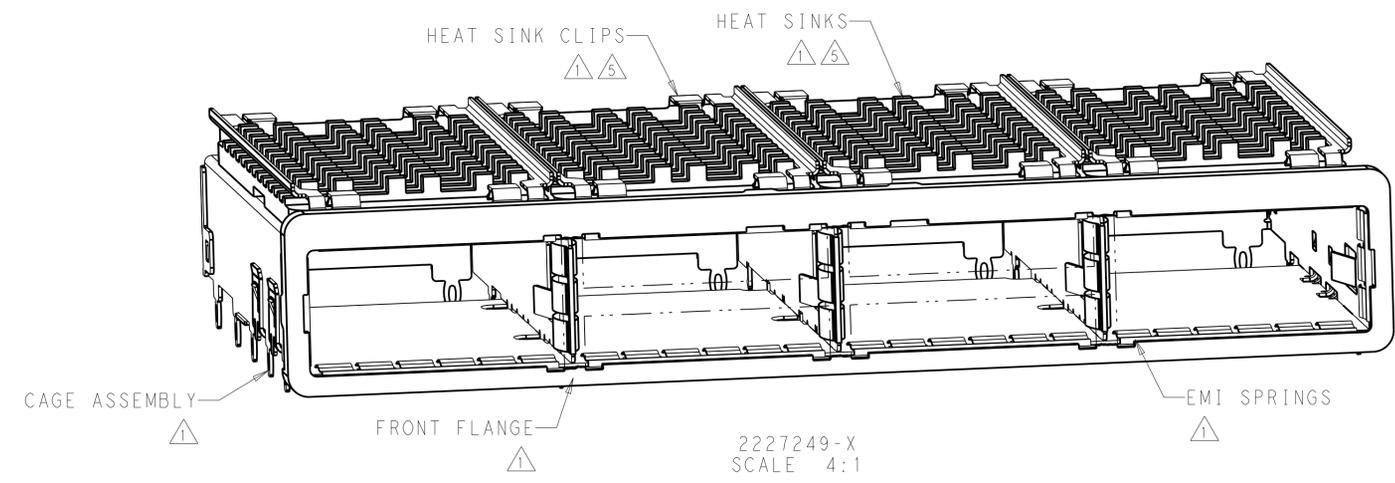
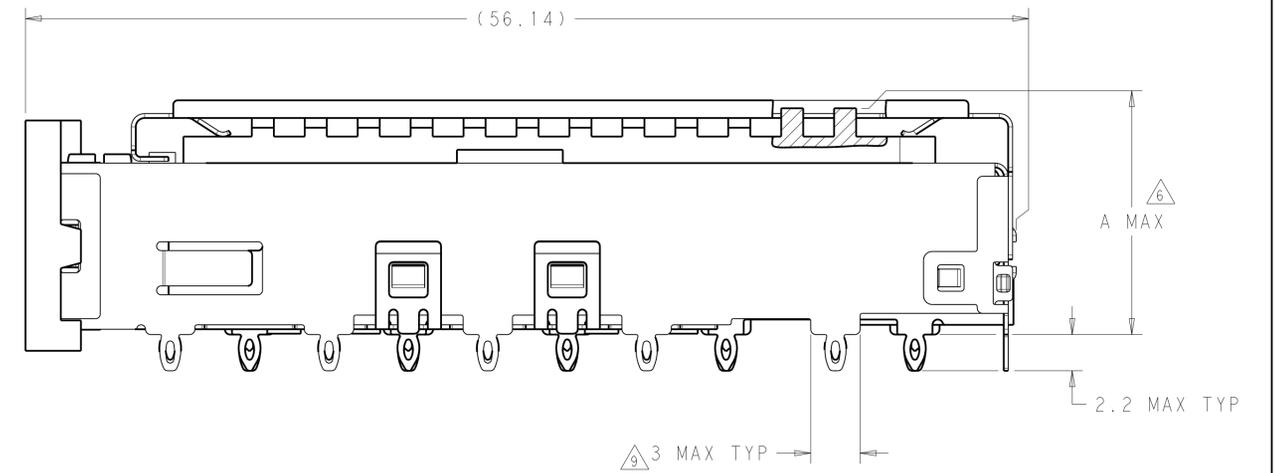
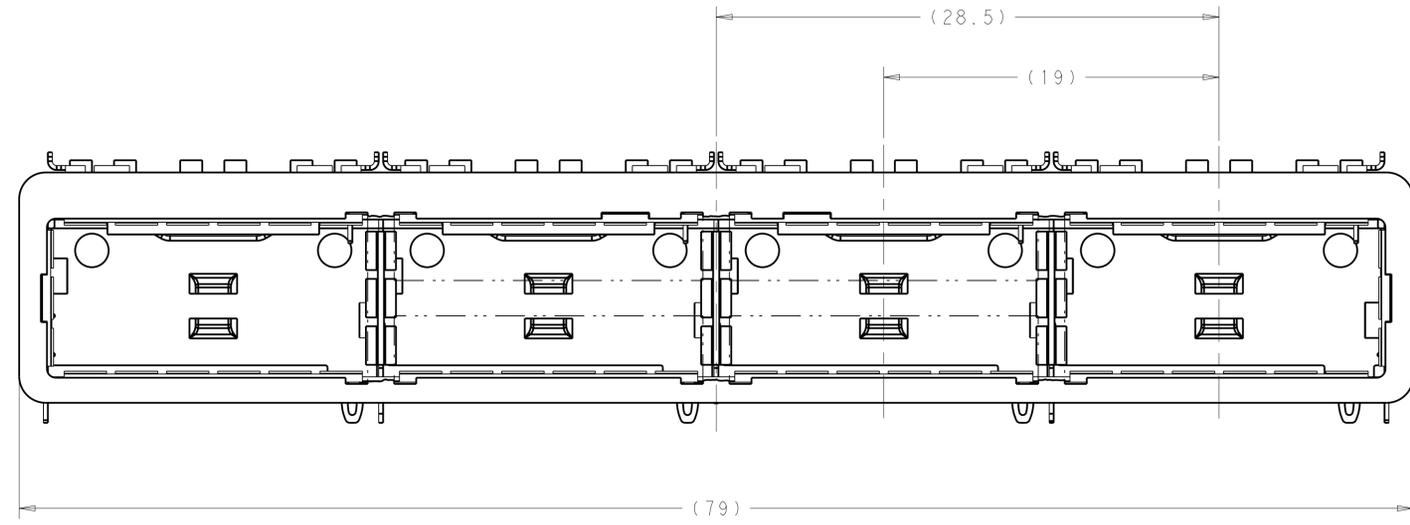


LOC	DIST	REVISIONS					
GP	00	P	LTN	DESCRIPTION	DATE	DWN	APVD
		A		RELEASED ECO-14-003627	11APR2014	LAW	EB



- 1. MATERIALS/FINISH:
CAGE ASSEMBLY - NICKEL-SILVER ALLOY, (0.25) THICK
EMI SPRINGS - COPPER ALLOY/2µm MIN TIN
FRONT FLANGE - ZINC ALLOY/3µm MIN TIN OVER 1.27µm MIN NICKEL OVER 5.08µm MIN COPPER
HEAT SINK - ALUMINUM/NICKEL
HEAT SINK CLIP - STAINLESS STEEL
- 2. SPACING BETWEEN CAGES ON THE SAME PCB TO BE SPECIFIED BY THE CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSION SHOWN
- 3. REFERENCE APPLICATION SPECIFICATION 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS
- 4. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
- 5. HEAT SINKS AND CLIPS ARE SHIPPED ASSEMBLED, CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED
- 6. DIMENSION APPLIES WITH MODULE INSERTED IN CAGE
- 7. UNPLATED THRU HOLE
- 8. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER
- 9. SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS CONTACT PCB
- 10. BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE
- 11. DATE CODE (YYWWD) IS MARKED ON TOP OF CAGE BUT IS CONCEALED BY HEAT SINKS, APPLIES TO CAGE ASSEMBLY ONLY
- 12. REFERENCE APPLICATION SPECIFICATION 114-32023 FOR GASKET THICKNESS CALCULATION
- 13. DIMENSION C IS THE NOMINAL THICKNESS OF THE CUSTOMER SUPPLIED PC BOARD:
SINGLE SIDED PC BOARD MINIMUM THICKNESS - 1.45
DOUBLE SIDED PC BOARD MINIMUM THICKNESS - 2.4

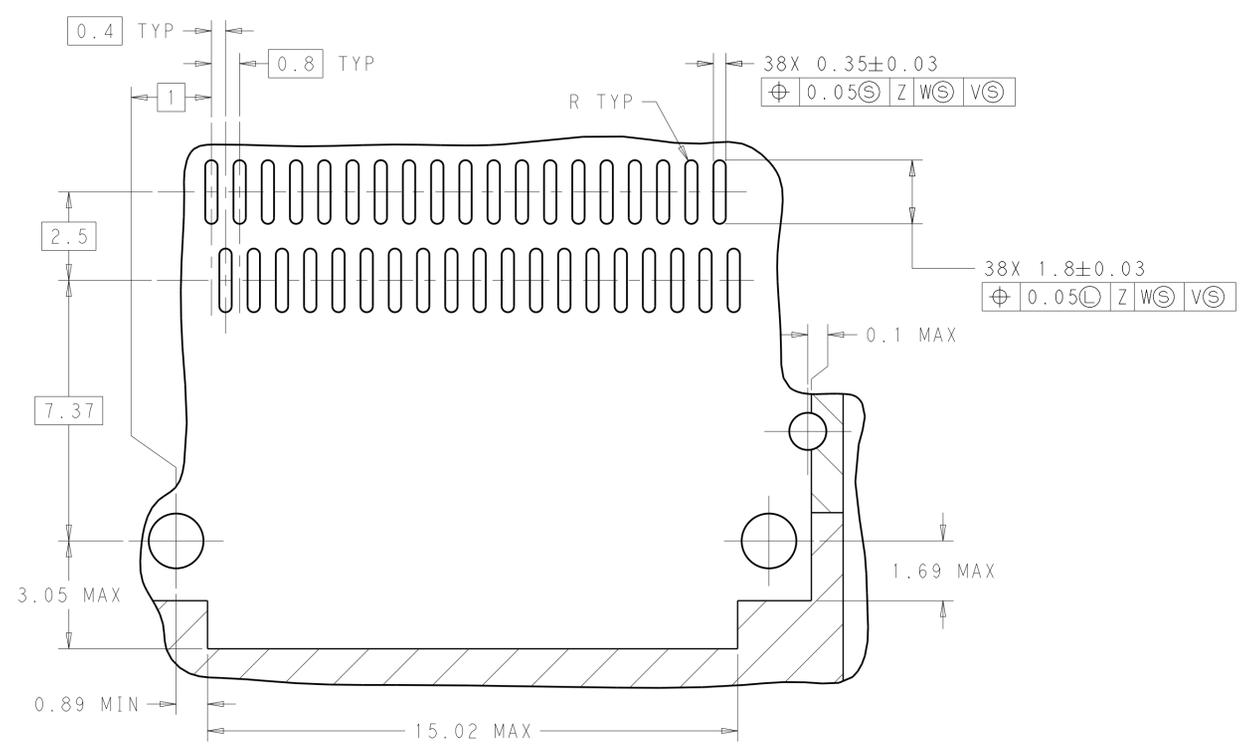
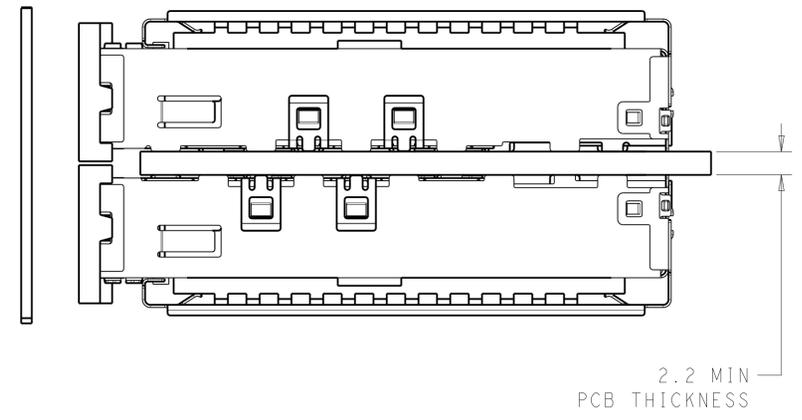
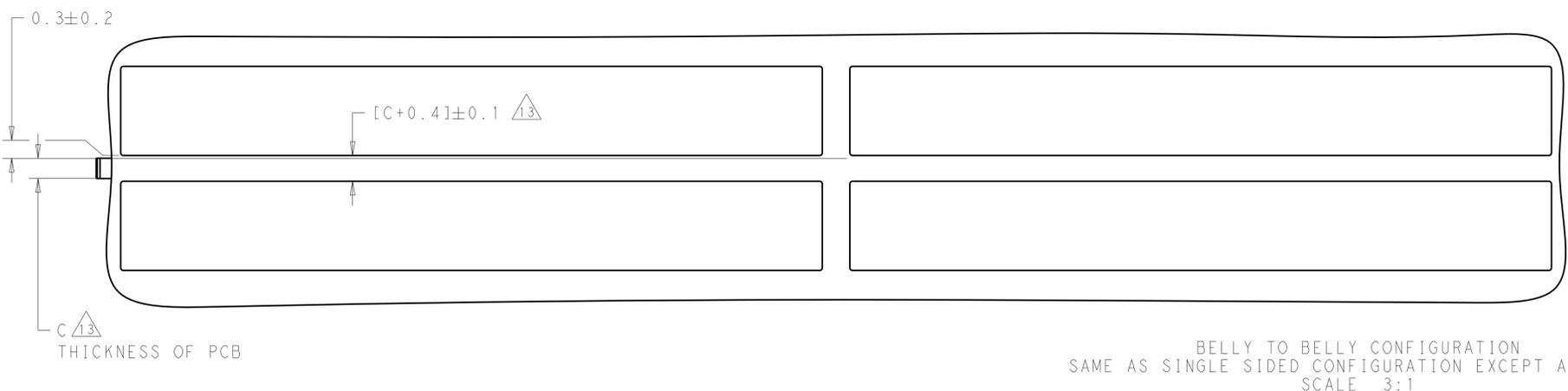
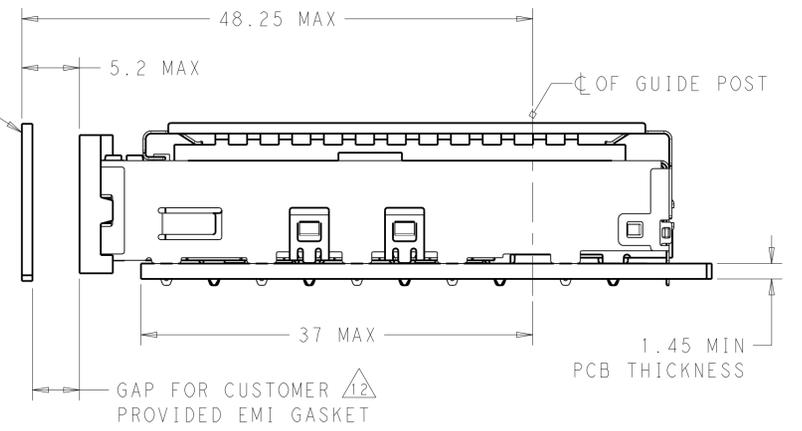
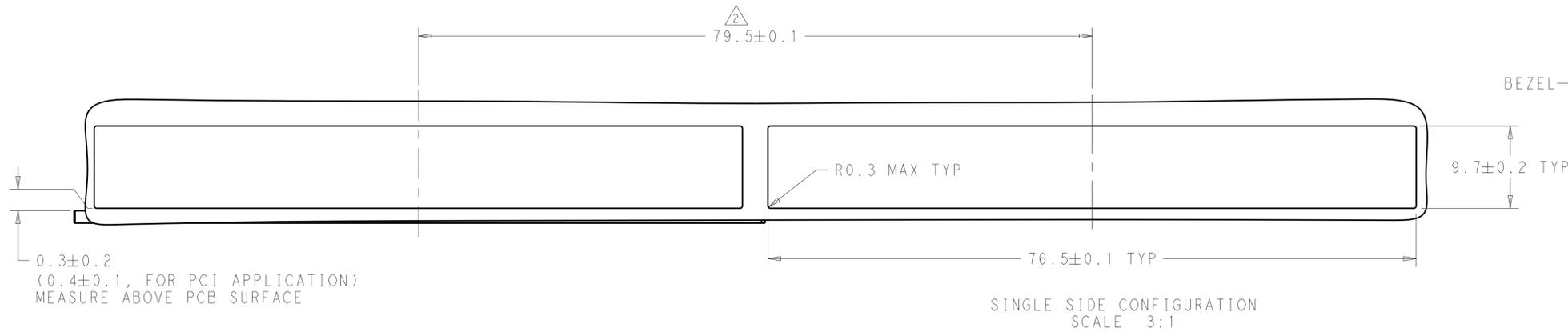


23	NETWORKING	2227249-3
16	SAN	2227249-2
13.7	PCI	2227249-1
A	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.		DWN: M.E. CONNER 15AUG2012 CHK: R.R. HENRY 16AUG2012 APVD: R.R. HENRY 16AUG2012	15AUG2012 16AUG2012 16AUG2012												
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME: RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X4, QSFP28												
<table border="1"> <tr><td>0 PLC</td><td>±0.2</td></tr> <tr><td>1 PLC</td><td>±0.15</td></tr> <tr><td>2 PLC</td><td>±0.1</td></tr> <tr><td>3 PLC</td><td>±0.05</td></tr> <tr><td>4 PLC</td><td>±0.025</td></tr> <tr><td>ANGLES</td><td>±0.1</td></tr> </table>		0 PLC	±0.2	1 PLC	±0.15	2 PLC	±0.1	3 PLC	±0.05	4 PLC	±0.025	ANGLES	±0.1	PRODUCT SPEC: - APPLICATION SPEC: - WEIGHT: -	SIZE: A1 CAGE CODE: 00779 DRAWING NO: 2227249
0 PLC	±0.2														
1 PLC	±0.15														
2 PLC	±0.1														
3 PLC	±0.05														
4 PLC	±0.025														
ANGLES	±0.1														
MATERIAL: SEE NOTES FINISH: SEE NOTES		Customer Drawing	RESTRICTED TO: - SCALE: 5:1 SHEET: 1 OF 4 REV: A												

LOC	DIST	REV	DATE	BY	APPV
GP	00				

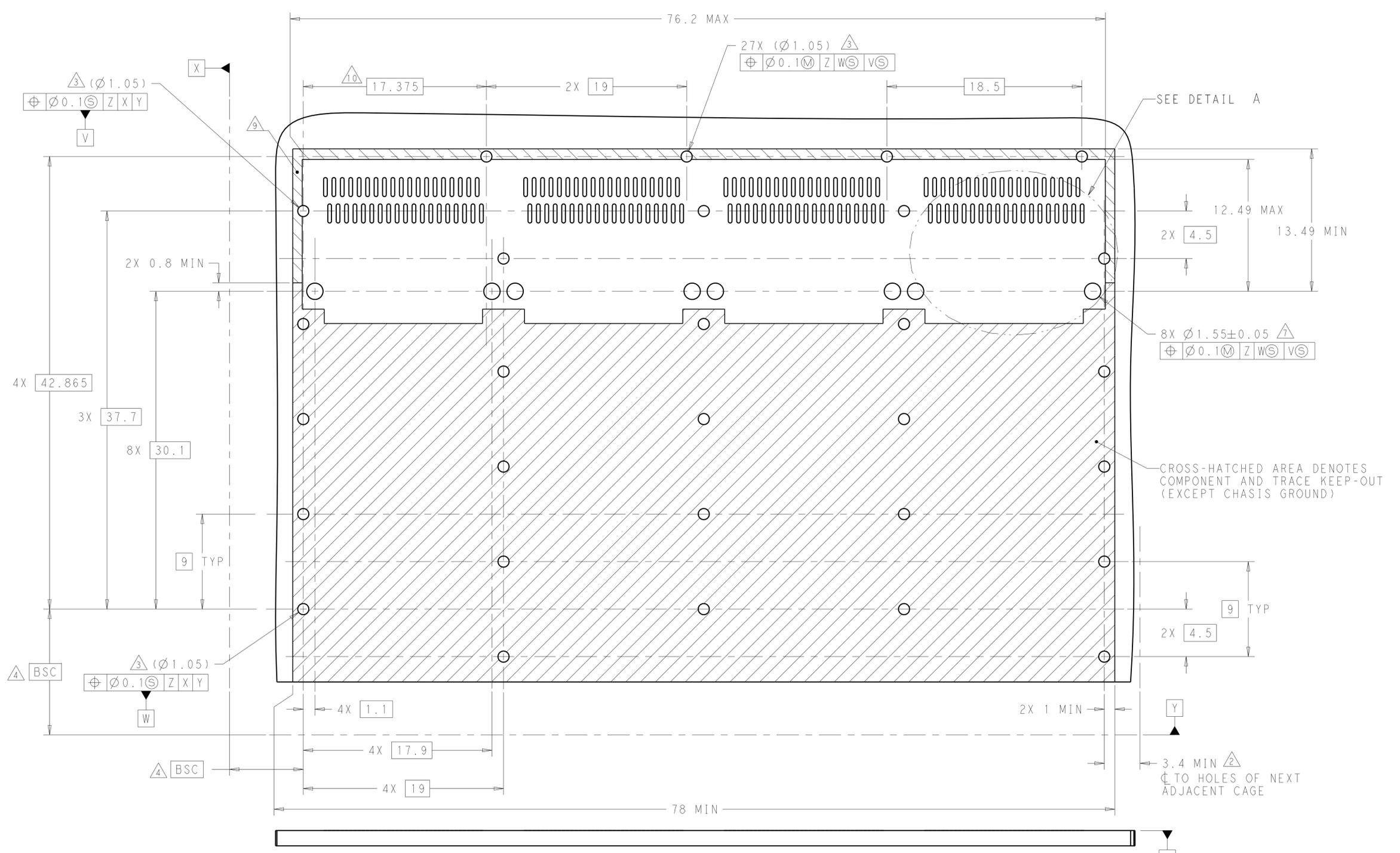
REVISIONS			
NO.	DESCRIPTION	DATE	BY
-	SEE SHEET 1	-	-



DETAIL A
 4X INDIVIDUALLY
 APPLIES TO BOTH SINGLE SIDE MOUNT
 AND BELLY TO BELLY CONFIGURATION
 SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.		OWN: M.E. CONNER 15AUG2012 CHK: R.R. HENRY 16AUG2012 APPV: R.R. HENRY 16AUG2012	NAME: RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X4, QSFP28
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.2 1 PLC ±0.15 2 PLC ±0.1 3 PLC ±0.05 4 PLC ±0.025 ANGLES ±1	PRODUCT SPEC: - APPLICATION SPEC: - WEIGHT: -	SIZE: A1 CAGE CODE: 00779 DRAWING NO: C=2227249
MATERIAL: SEE NOTES	FINISH: SEE NOTES	Customer Drawing	RESTRICTED TO: - SCALE: 4:1 SHEET 2 OF 4 REV A

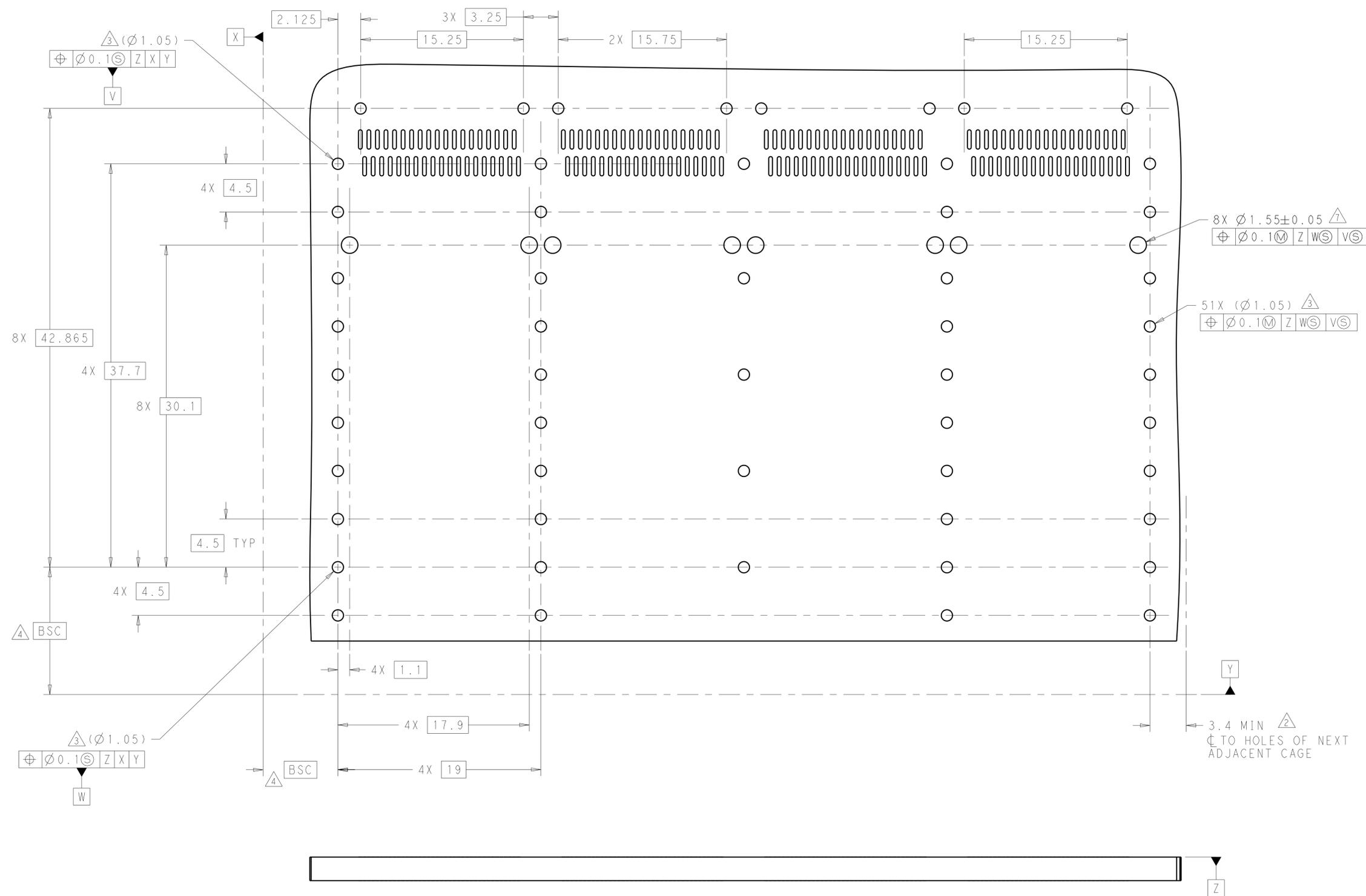
LOC	DIST	REV	DATE	BY	APPV
GP	00				
REVISIONS			DATE	BY	APPV
- SEE SHEET 1			-	-	-



RECOMMENDED PCB LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER: ASME Y14.5M-2009		DWN: M.E. CONNER 15AUG2012 CHK: R.R. HENRY 16AUG2012 APVD: R.R. HENRY 16AUG2012	STE TE Connectivity NAME: RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X4, QSFP28 PRODUCT SPEC: - APPLICATION SPEC: -
DIMENSIONS: mm TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.2 1 PLC ±0.15 2 PLC ±0.1 3 PLC ±0.05 4 PLC ±0.025 ANGLES ±1	MATERIAL: SEE NOTES FINISH: SEE NOTES	WEIGHT: - SCALE: 4:1 SHEET: 3 OF 4 REV: A	SIZE: A1 CAGE CODE: 2227249 RESTRICTED TO: -

LOC		DIST		REVISIONS				
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD	
		-		SEE SHEET 1				



RECOMMENDED PCB LAYOUT
 BELLY TO BELLY CONFIGURATION
 SEE SINGLE SIDE MOUNT CONFIGURATION
 FOR COMPONENT AND TRACE KEEP-OUT
 SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.		DMN: M.E. CONNER 15AUG2012 CHK: R.R. HENRY 16AUG2012 APVD: R.R. HENRY 16AUG2012	TE Connectivity	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	NAME: RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X4, QSFP28	
0 PLC ±0.2 1 PLC ±0.15 2 PLC ±0.1 3 PLC ±0.05 4 PLC ±0.025 ANGLES ±1	FINISH: SEE NOTES	APPLICATION SPEC	SIZE: A1	CAGE CODE: 2227249
MATERIAL: SEE NOTES	FINISH: SEE NOTES	WEIGHT: -	Customer Drawing	SCALE: 4:1 SHEET 4 OF 4 REV A