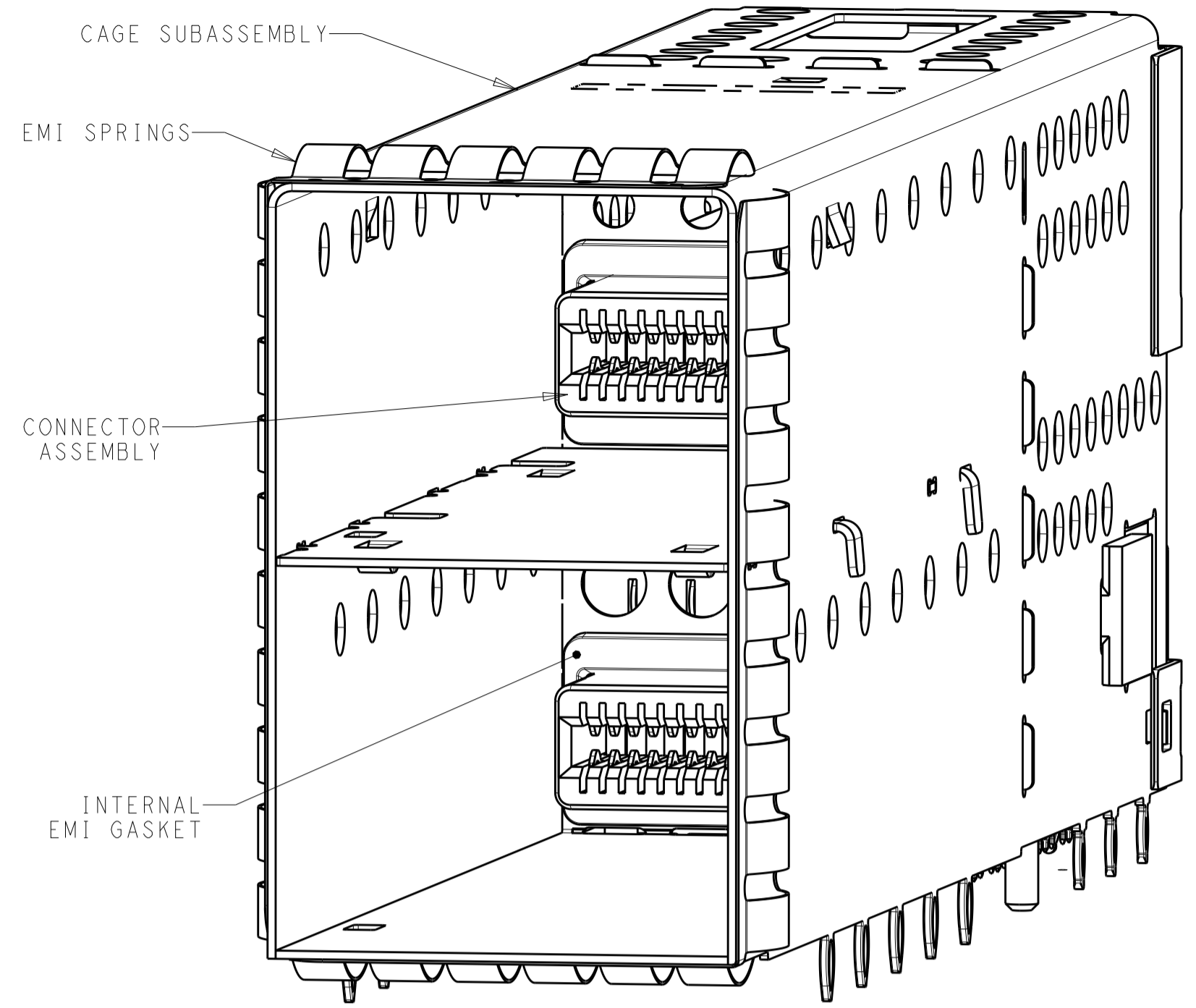
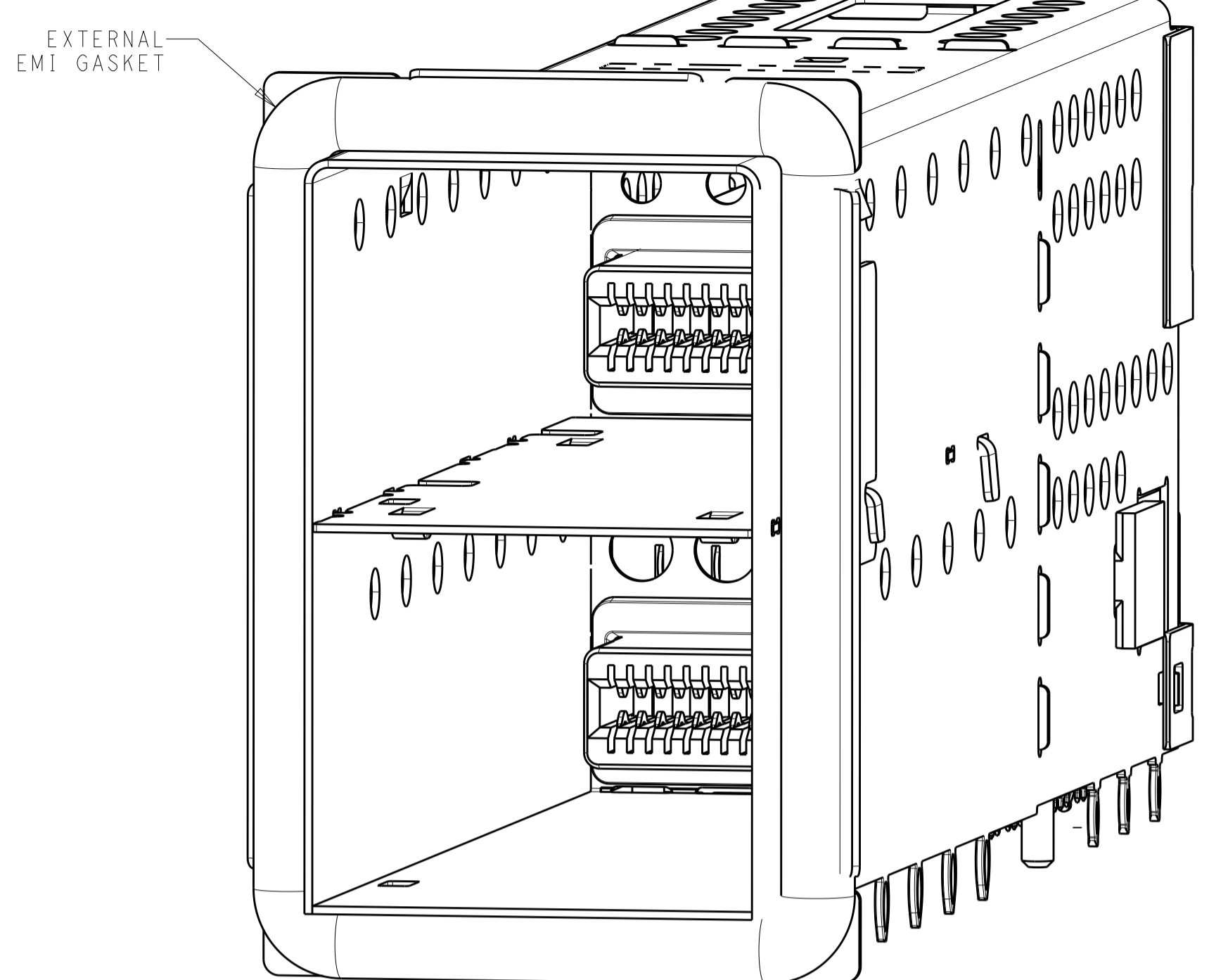


REVISIONS				
P.	LTN	DESCRIPTION	DATE	OWN APVD
14		REVISED LOWER PORT OPENING	02SEP2016	BM RH
15		REVISED TO SHOW UPDATED GASKET FLANGE	13DEC2016	BM RH
16		UPDATED VIEWS TO SHOW DOVETAIL REMOVAL	17MAR2017	BM RH
17		REVISED DETAIL A, SHEET 4	15JUN2017	BM RH

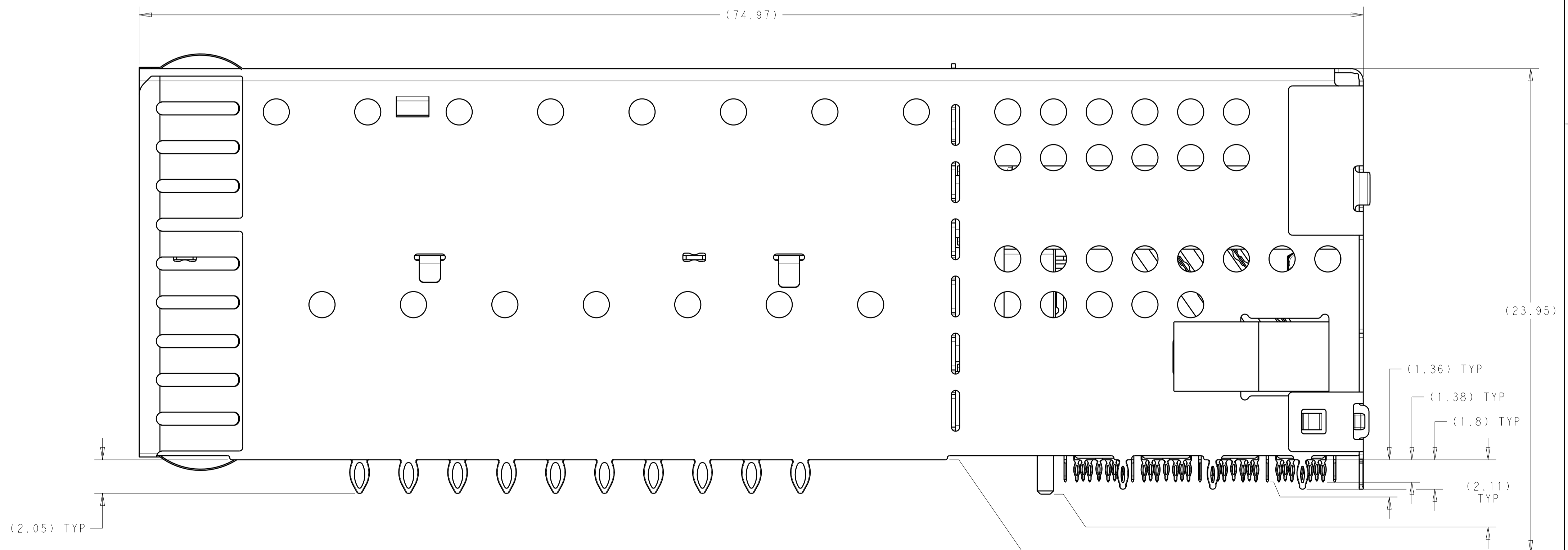
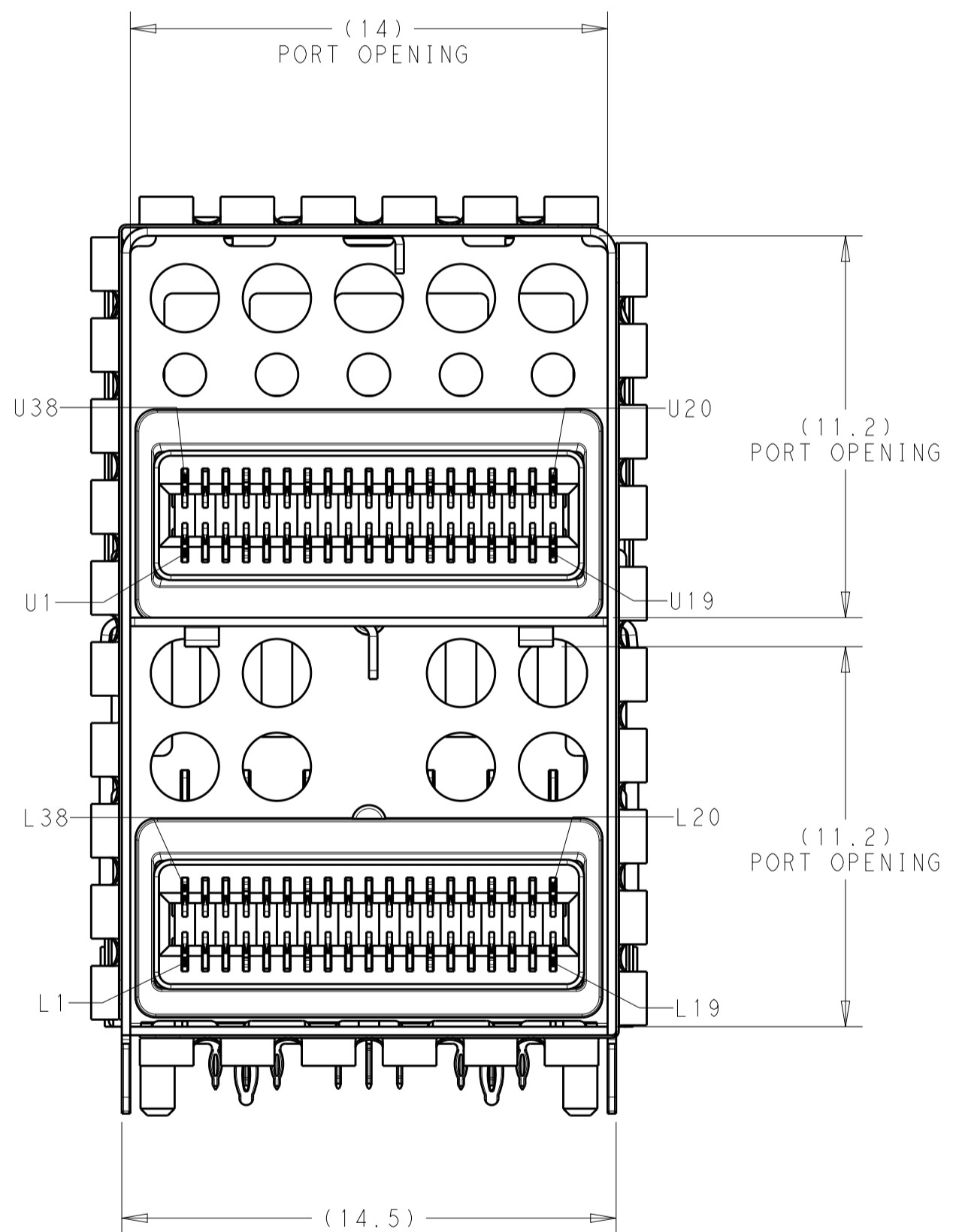


2296273-1 ISOMETRIC VIEW



2296273-2 ISOMETRIC VIEW

1. MATERIALS:
 CAGE SUBASSEMBLY - STAINLESS STEEL
 EMI SPRINGS - COPPER ALLOY
 EXTERNAL EMI GASKET - NICKEL CARBON
 INTERNAL EMI GASKET - TBD
 CONNECTOR HOUSINGS - LCP
 CONNECTOR CONTACTS - COPPER ALLOY
2. FOR HOLE SIZE AND PLATINGS SEE APPLICATION SPEC 114-32161.
3. ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE PHANTOM LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND TRACES ON THE TOP SIDE. TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN.
4. 1.45mm MINIMUM BOARD THICKNESS FOR SINGLE-SIDED APPLICATIONS AND 2.2mm FOR DUAL-SIDED APPLICATIONS. THESE MINIMUM THICKNESS VALUES INCLUDED THE BOARD THICKNESS TOLERANCE.
5. THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND SIGNAL TRACES, TOP SIDE ONLY. TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN.
6. LED LOCATION FOR 2 LIGHT PIPE APPLICATIONS.
7. LED LOCATION FOR 4 LIGHT PIPE APPLICATIONS.
8. COUPLED GROUND VIAS WHERE INDICATED INCLUDED IN PCB FOOTPRINT FOR ENHANCED SI PERFORMANCE. NOTE THAT THERE IS NO PIN ATTACHMENT TO THESE SPECIFIC VIAS.
9. CONTACT FINISH: 0.76µm MINIMUM GOLD ON MATING END. 1.25µm MATT TIN ON SOLDER TAIL. ALL OVER 1.27µm NICKEL.



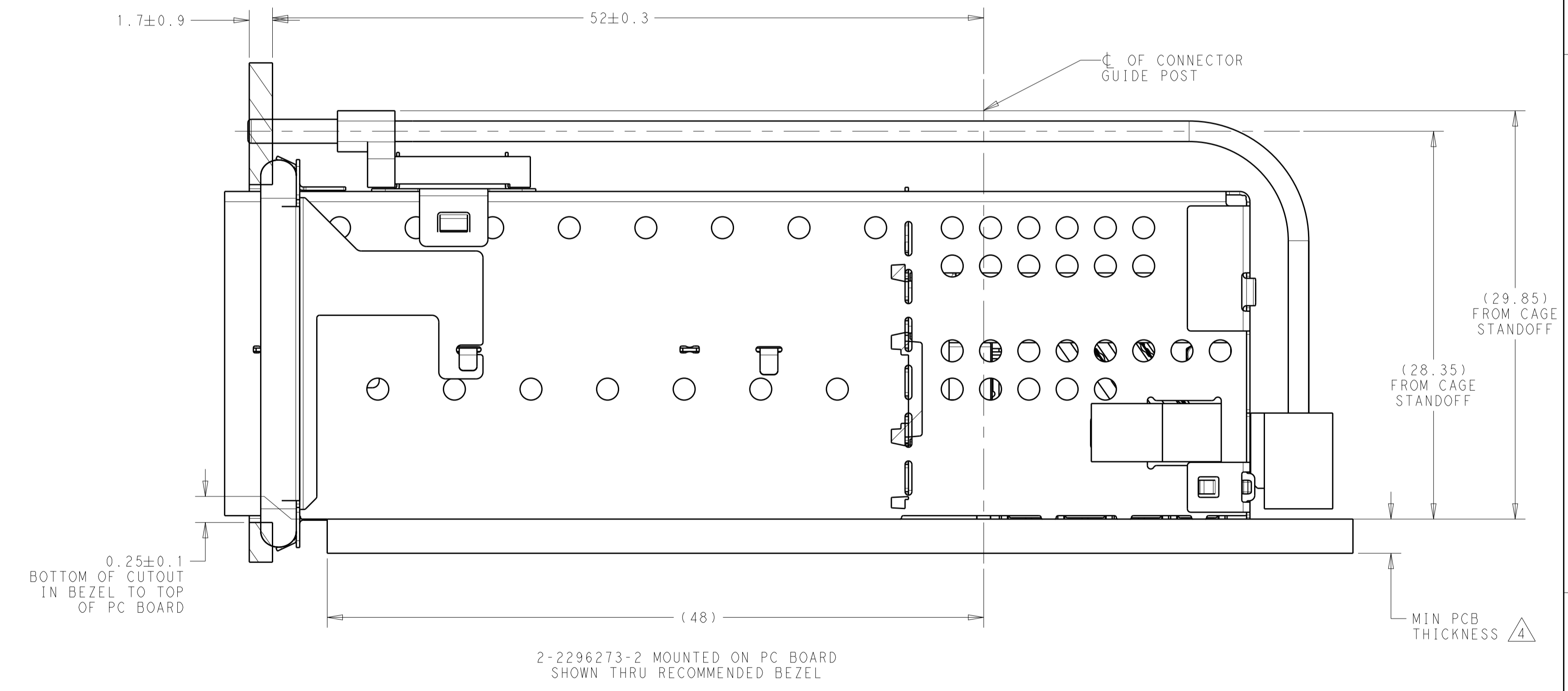
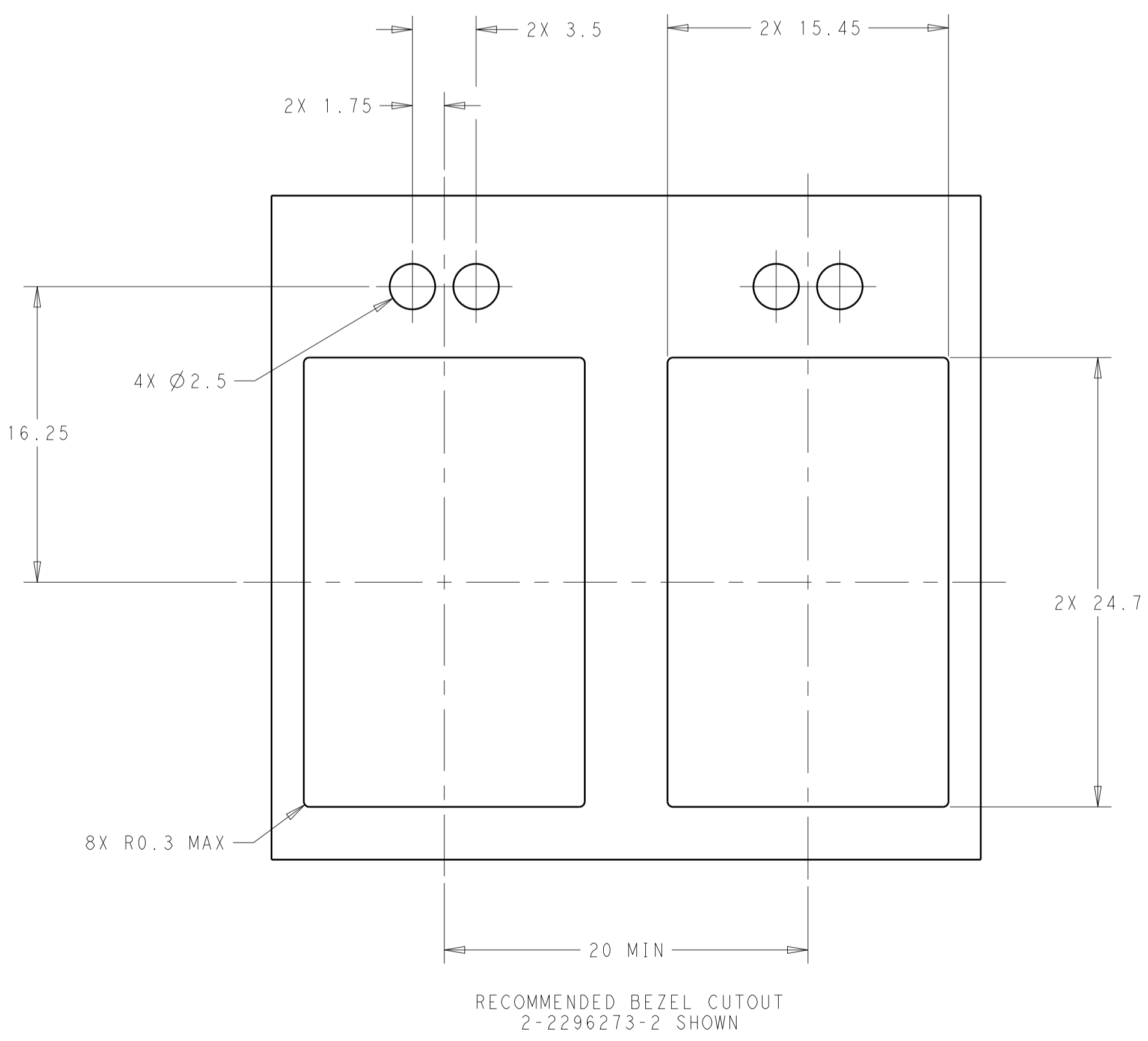
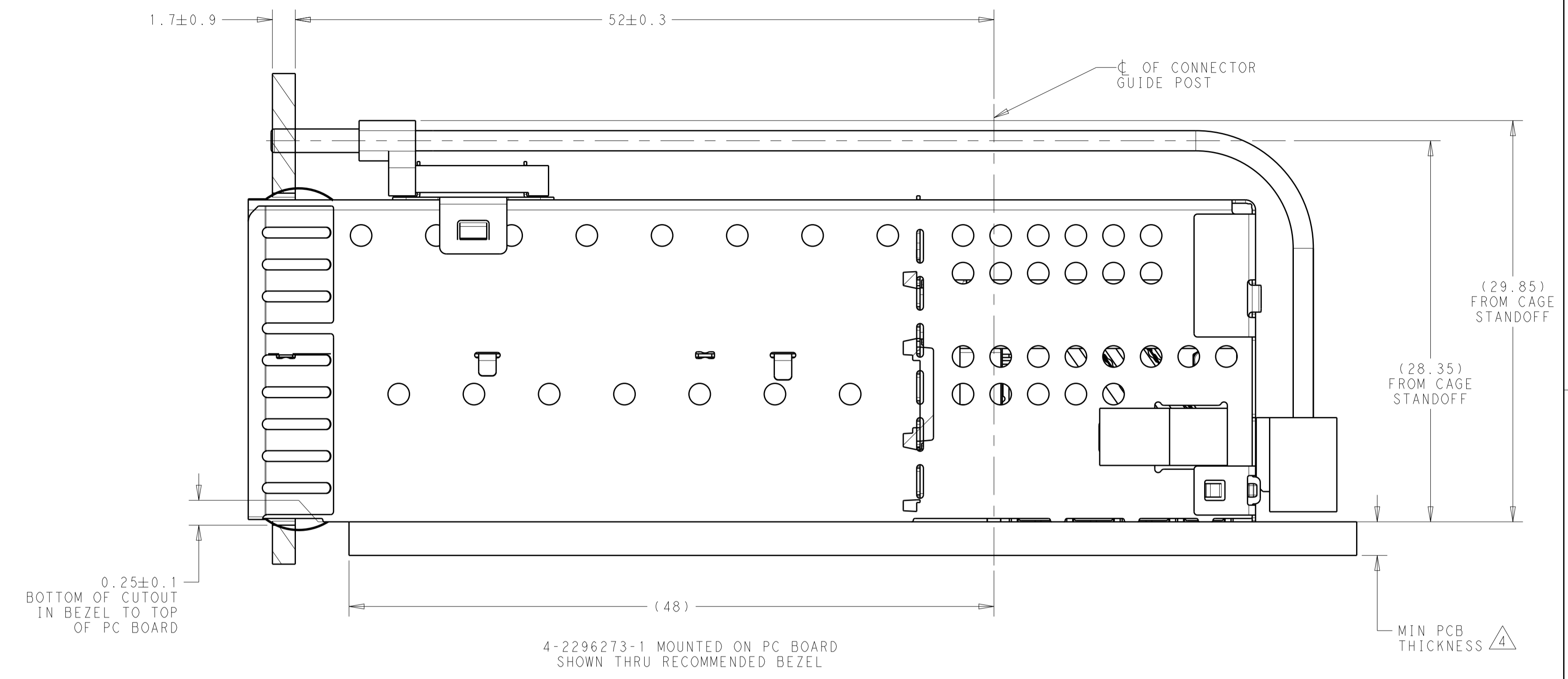
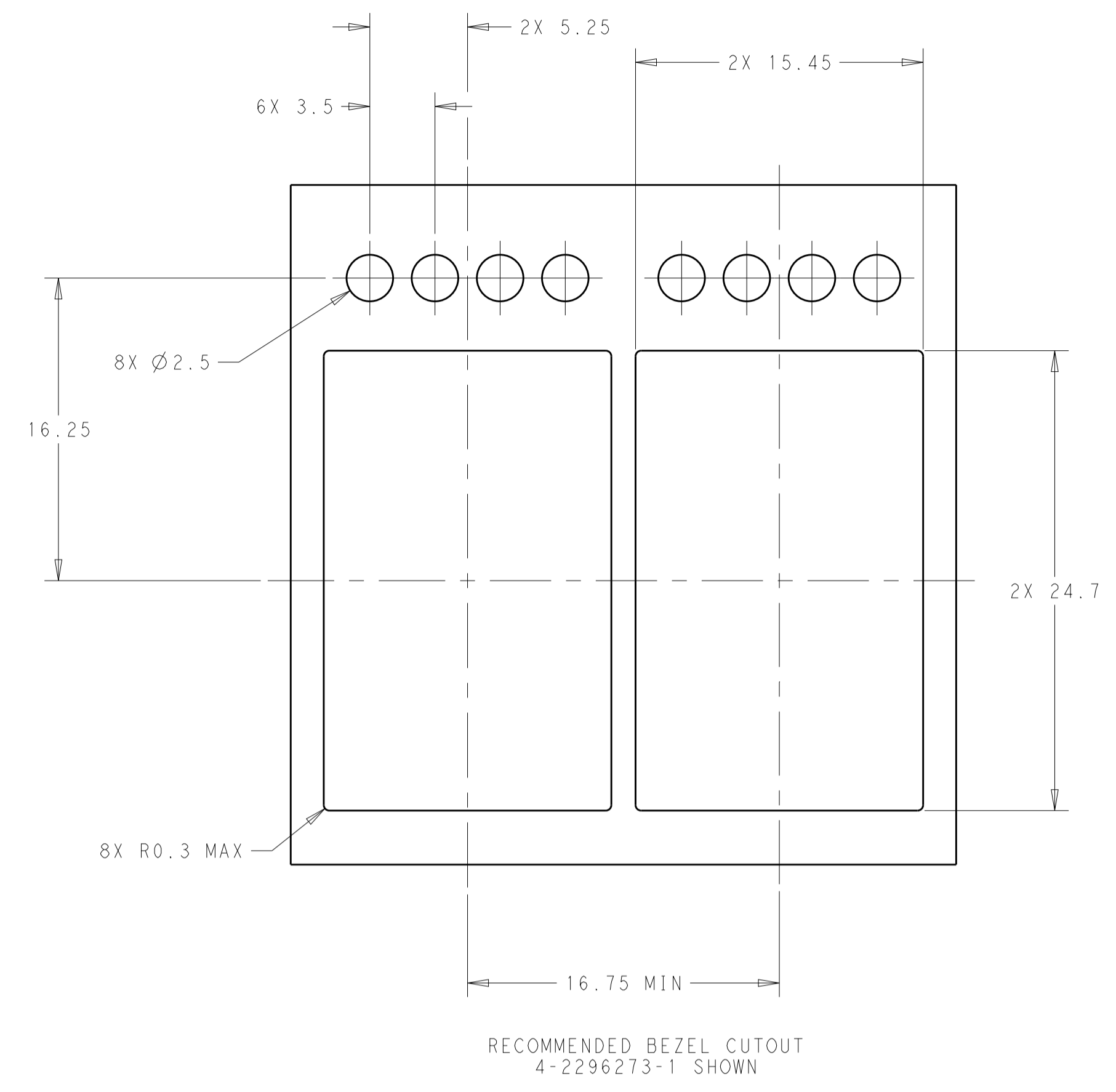
9	4 LIGHT PIPES	GASKET	4-2296273-2
9	4 LIGHT PIPES	SPRING	4-2296273-1
9	2 LIGHT PIPES	GASKET	2-2296273-2
9	2 LIGHT PIPES	SPRING	2-2296273-1
9	NO LIGHT PIPES	GASKET	2296273-2
9	NO LIGHT PIPES	SPRING	2296273-1
CONTACT FINISH	LIGHT PIPE CONFIGURATION	EXTERNAL EMI SHIELDING	PART NUMBER

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 BEFORE USING THIS PRINT

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm	0 PLC	±0.1	
	1 PLC	±0.1	
	2 PLC	±0.08	
	3 PLC	±0.05	
	4 PLC	±	
	ANGLES	±1°	
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING

OWN	B. MATTHEWS	18NOV2015
CHK	R. HENRY	18NOV2015
APVD	R. HENRY	18NOV2015
PRODUCT SPEC	NAME	
108-32126	CAGE ASSEMBLY, 2X1, microQSFP	
APPLICATION SPEC	SIZE	CAGE CODE DRAWING NO
114-32161	A1	C=2296273
RESTRICTED TO	SCALE	SHEET
	1:1	1 OF 4
		REV 17

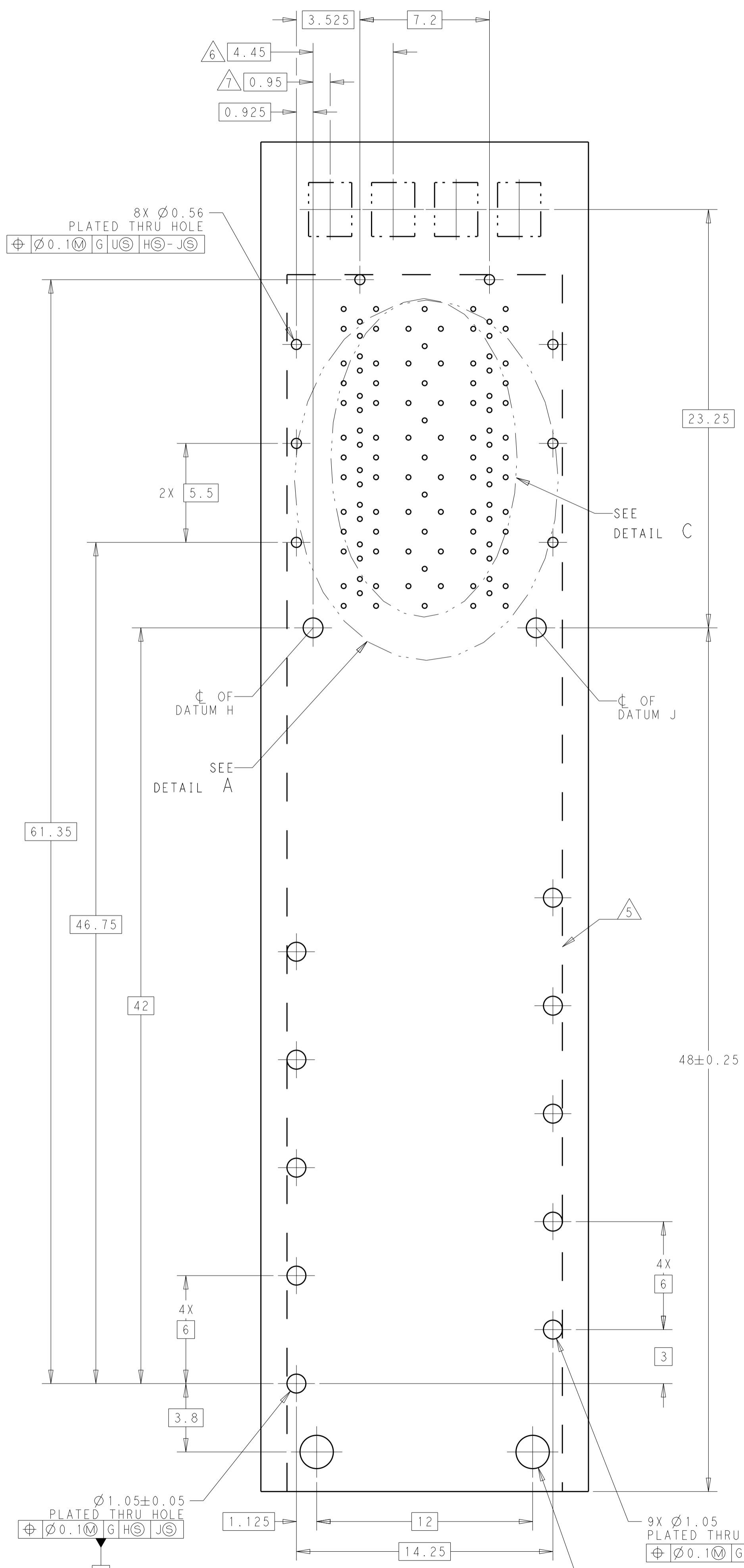
REVISIONS				
P.	LTM	DESCRIPTION	DATE	OWN APVD
-	-	SEE SHEET 1	-	-



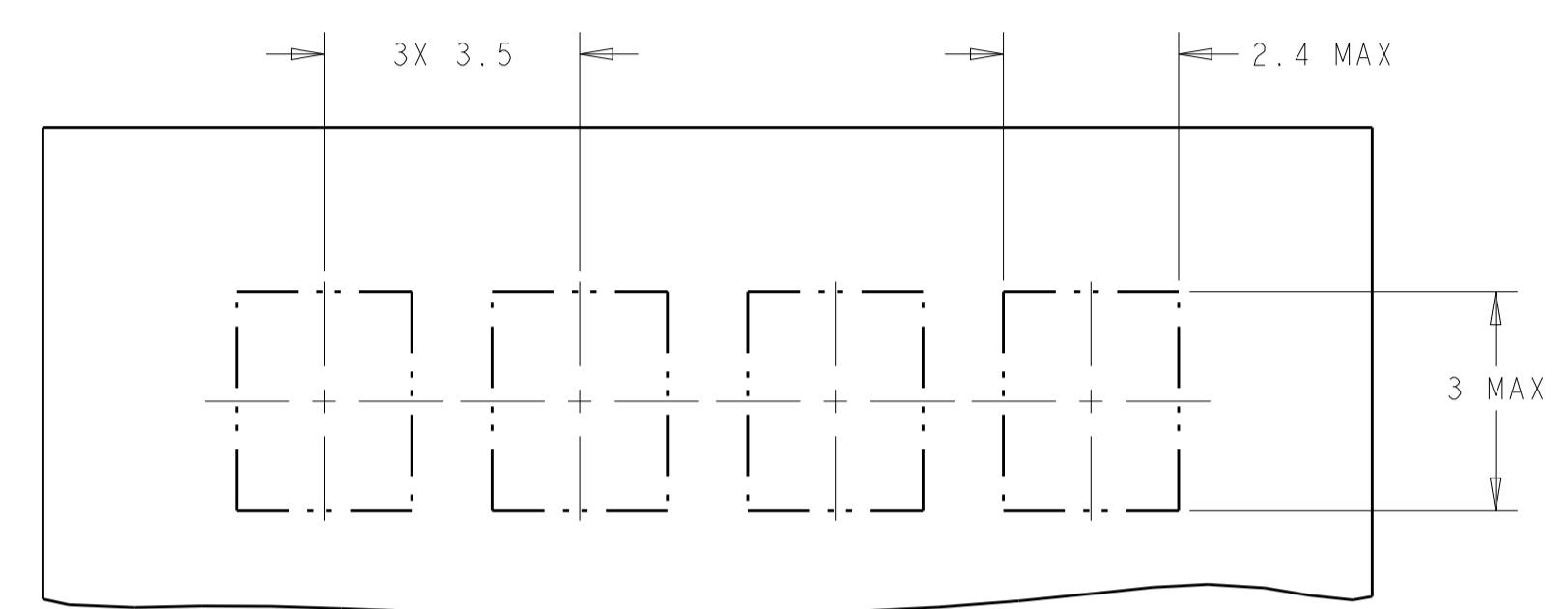
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CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. MATTHEWS 18NOV2015	TE Connectivity
DIMENSIONS: mm		CHK: R. HENRY 18NOV2015	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: R. HENRY 18NOV2015	NAME: CAGE ASSEMBLY, 2X1, microQSFP
0 PLC	±0.1	PRODUCT SPEC	108-32126
1 PLC	±0.1	APPLICATION SPEC	114-32161
2 PLC	±0.08	WEIGHT	-
3 PLC	±0.05	CUSTOMER DRAWING	SCALE: 6:1
4 PLC	±0.05		SHEET 2 OF 4
ANGLES	±1°		REV 17
FINISH	-		

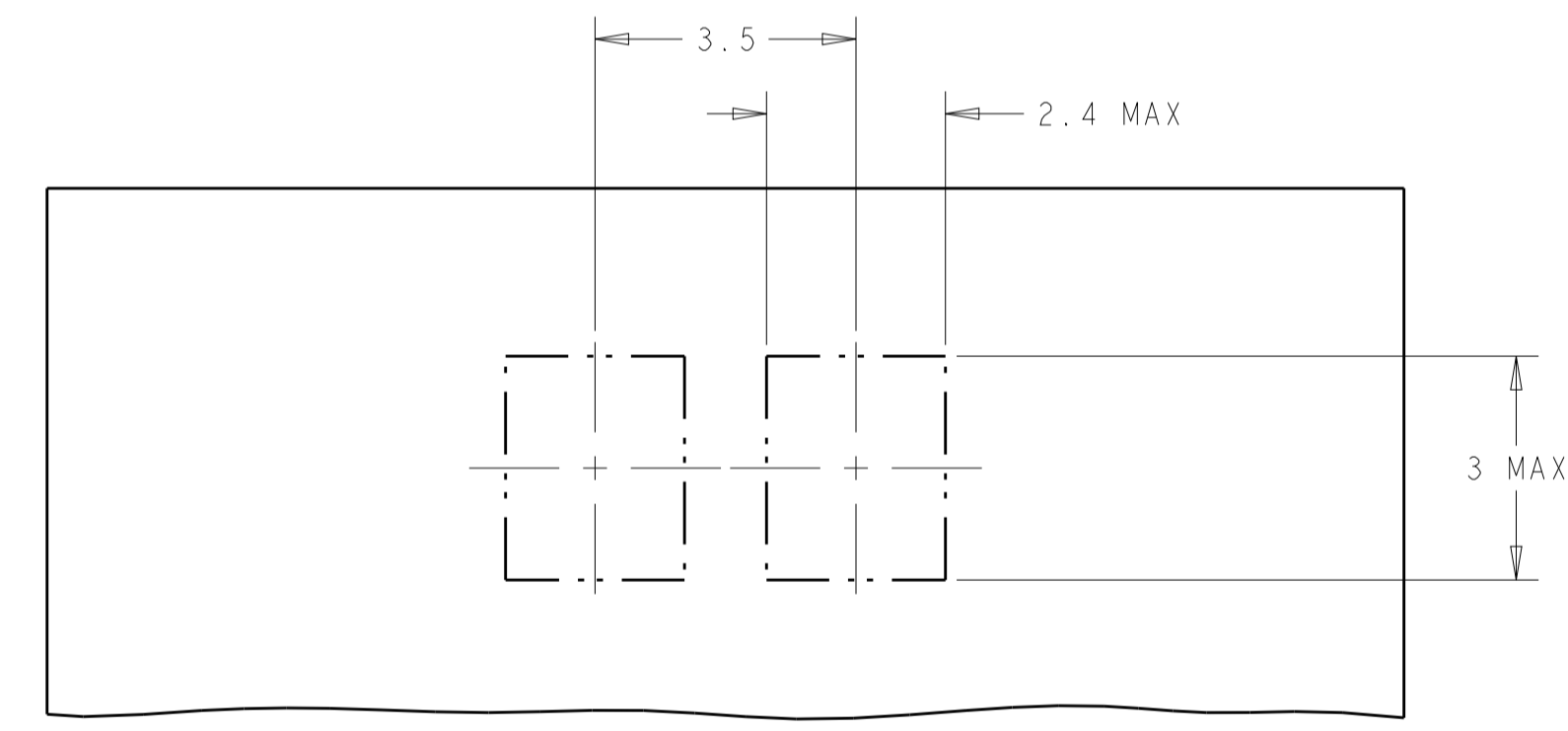
REVISIONS				
P.	LTN.	DESCRIPTION	DATE	APVD.
-	-	SEE SHEET 1	-	-



RECOMMENDED PCB LAYOUT
 4 LIGHT PIPE CONFIGURATION SHOWN
 SCALE 6:1



4 LIGHT PIPE CONFIGURATION
 SCALE 10:1

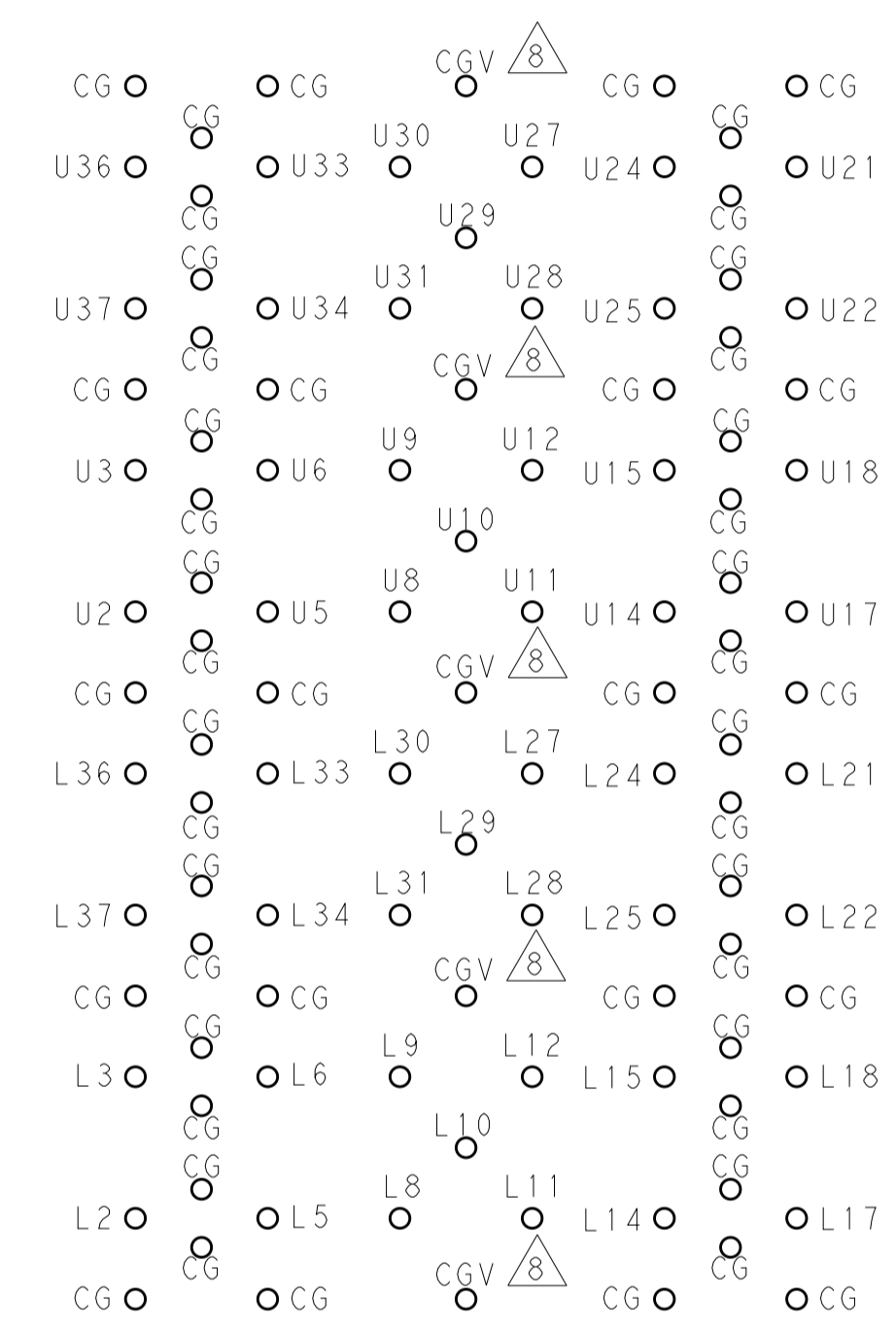
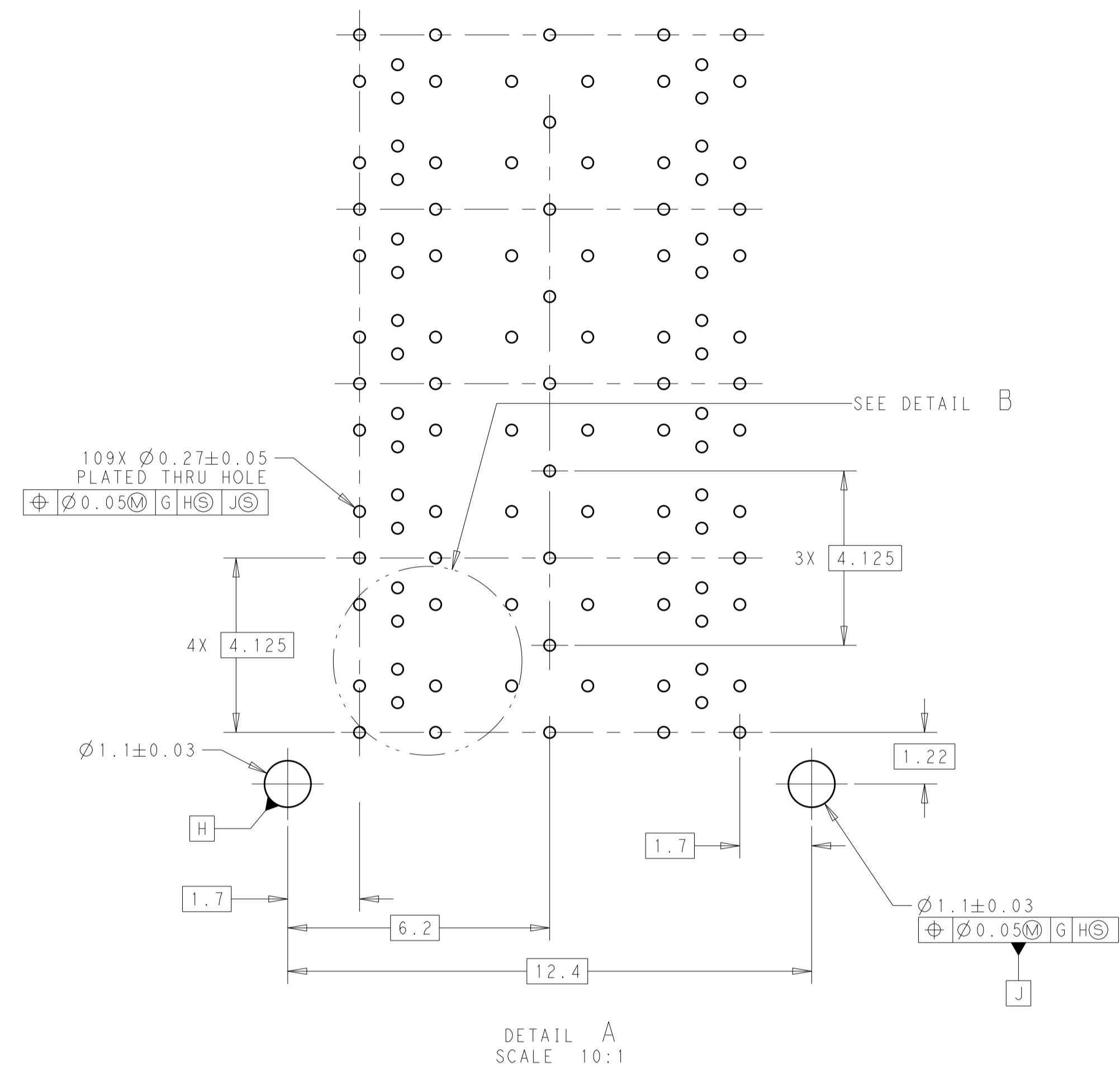


2 LIGHT PIPE CONFIGURATION
 SCALE 10:1

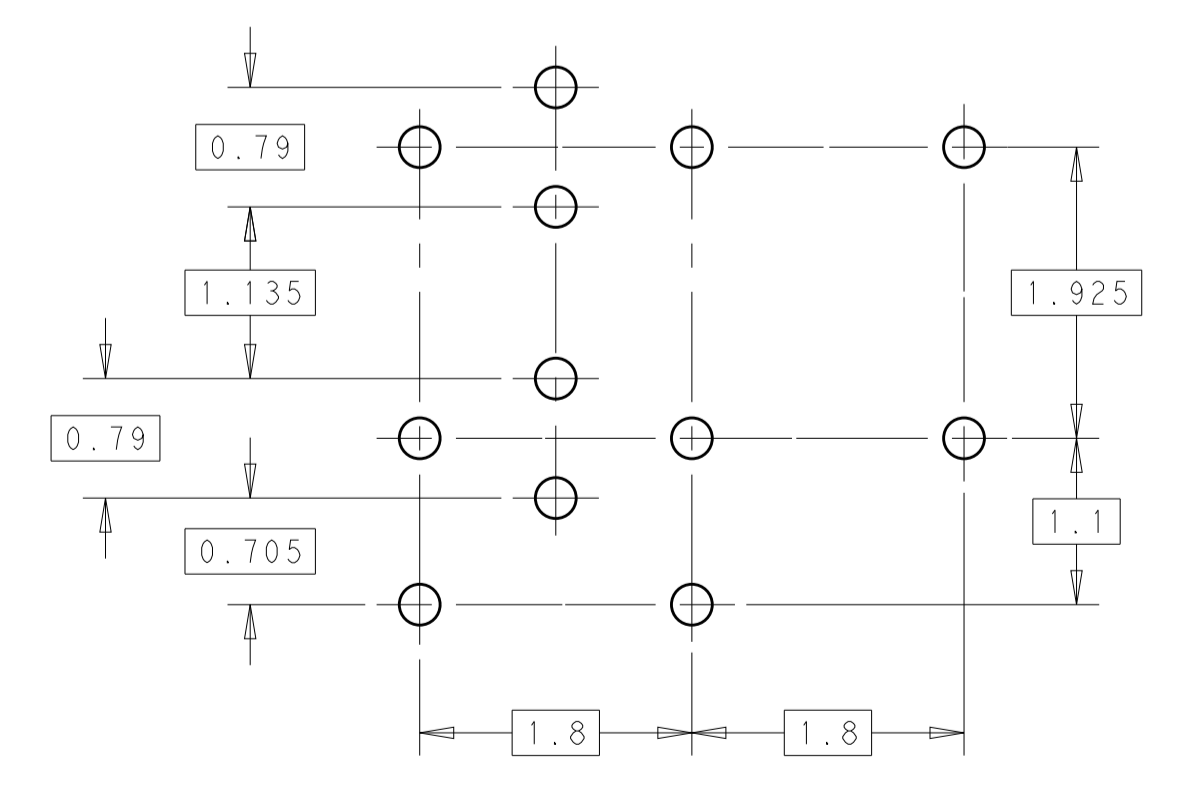
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THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. MATTHEWS 18NOV2015	TE Connectivity
DIMENSIONS: mm		CHK: R. HENRY 18NOV2015	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: R. HENRY 18NOV2015	NAME: CAGE ASSEMBLY, 2X1, microQSFP
0 PLC ±0.1	1 PLC ±0.1	PRODUCT SPEC	108-32126
2 PLC ±0.08	3 PLC ±0.05	APPLICATION SPEC	114-32161
4 PLC ±*	ANGLES ±1°	WEIGHT	-
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE 1:1 SHEET 3 OF 4 REV 17

REVISIONS				
P.	LTN	DESCRIPTION	DATE	APVD
-	-	SEE SHEET 1	-	-



PIN NUMBER	FUNCTION
U1/L1	COUPLED GROUND
U2/L2	SIGNAL
U3/L3	SIGNAL
U4/L4	COUPLED GROUND
U5/L5	SIGNAL
U6/L6	SIGNAL
U7/L7	COUPLED GROUND
U8/L8	AUXILIARY
U9/L9	AUXILIARY
U10/L10	AUXILIARY
U11/L11	AUXILIARY
U12/L12	AUXILIARY
U13/L13	COUPLED GROUND
U14/L14	SIGNAL
U15/L15	SIGNAL
U16/L16	COUPLED GROUND
U17/L17	SIGNAL
U18/L18	SIGNAL
U19/L19	COUPLED GROUND
U20/L20	COUPLED GROUND
U21/L21	SIGNAL
U22/L22	SIGNAL
U23/L23	COUPLED GROUND
U24/L24	SIGNAL
U25/L25	SIGNAL
U26/L26	COUPLED GROUND
U27/L27	AUXILIARY
U28/L28	AUXILIARY
U29/L29	AUXILIARY
U30/L30	AUXILIARY
U31/L31	AUXILIARY
U32/L32	COUPLED GROUND
U33/L33	SIGNAL
U34/L34	SIGNAL
U35/L35	COUPLED GROUND
U36/L36	SIGNAL
U37/L37	SIGNAL
U38/L38	COUPLED GROUND



DETAIL C
 CONNECTOR PIN-OUT
 COMPONENT SIDE OF BOARD
 SCALE 10:1

DETAIL B
 SCALE 20:1

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THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. MATTHEWS 18NOV2015	TE Connectivity
DIMENSIONS: mm		CHK: R. HENRY 18NOV2015	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: B. HENRY 18NOV2015	NAME: CAGE ASSEMBLY, 2X1, microQSFP
0 PLC ±0.1	1 PLC ±0.1	PRODUCT SPEC	SIZE: A1
2 PLC ±0.08	3 PLC ±0.05	APPLICATION SPEC	CAGE CODE: -
4 PLC ±0.05	ANGLES ±°	114-32161	DRAWING NO: C=2296273
MATERIAL: -	FINISH: -	WEIGHT: -	RESTRICTED TO: -
CUSTOMER DRAWING		SCALE: 6:1	SHEET: 4 OF 4