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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
B		REVISED PER ECO-18-012594	07AUG2018	JY	SH
C		REVISED PER ECO-19-018835	17OCT2019	JY	SH
D		REVISED PER ECO-20-012788	08SEP020	JY	SH
D1		ADDED NEW DASH-7	07MAY2021	AJ	SZ

CONNECTOR ASSEMBLY

EMI GASKET

EMI SPRINGS

OUTER HOUSING

KEY FEATURE

2291931-1, -5 SHOWN
WITH EMI SPRING AND GASKET
SCALE 3:1

CONNECTOR ASSEMBLY

OUTER HOUSING

KEY FEATURE

2291931-2, -3, -4 AS SHOWN
W/O EMISPRING AND GASKET
SCALE 3:1

CONNECTOR ASSEMBLY

EMI GASKET

OUTER HOUSING

KEY FEATURE

2291931-6/-7 AS SHOWN
W/O EMISPRING AND W GASKET
SCALE 3:1

1. MATERIALS:
OUTER HOUSING - NICKEL PLATED ZINC ALLOY PER ASTM B 240.
CONNECTOR HOUSINGS - LCP, UL 94V-0 RATED.
CHICKLETS - LCP, UL 94V-0 RATED.
CONTACTS - PHOSPHOR BRONZE.
EMI SPRINGS - COPPER ALLOY.
EMI GASKET - CONDUCTIVE ELASTOMER.

2. CONTACT FINISH:
CONFORMS TO THE REQUIREMENTS OF TYCO ELECTRONICS PRODUCT SPECIFICATION 108-32065, BASED ON EIA/ECA-364-1000.01A, (CONTROLLED ENVIRONMENT APPLICATIONS) ON MATING INTERFACES. MATTE TIN ON COMPLIANT PINS.

3. PCB THICKNESS 1.57 MINIMUM.

4 FOR HOLE SIZE AND PLATINGS, SEE APPLICATION SPEC 114-32114.

5 CROSS HATCHED AREA INDICATES REQUIRED CONDUCTIVE AREA ON SURFACE OF PCB. NO COMPONENTS OR TOP SIDE SURFACE TRACES ALLOWED IN THIS AREA.

6. MOUNTING HARDWARE REQUIRED:
3X M2X0.4 - SCREW LENGTH = PCB THICKNESS + (2 TO 4).

7 CUSTOMIZED PACKAGE SPEC:
PLACE CONNCECTOR PIN FIELD DOWN IN PACKAGE.

8 CUSTOMIZED PACKAGE SPEC:
DESIGNED NEW HARD PACKAGE FOR CUSTOMER PROCESS. AND PLACE CONNCECTOR PIN FIELD DOWN IN PACKAGE.

8	W/O EMI SPRING AND W GASKET	2291931-7
	W/O EMI SPRING AND W GASKET	2291931-6
8	W EMI SPRING AND GASKET	2291931-5
8	W/O EMI SPRING AND GASKET	2291931-4
7	W/O EMI SPRING AND GASKET	2291931-3
	W/O EMI SPRING AND GASKET	2291931-2
	W EMI SPRING AND GASKET	2291931-1
	DESCRIPTION	PART NUMBER

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DWN 30MAR2015
JASON YANG

CHK 30MAR2015
SEAN HAN

APVD 30MAR2015
SEAN HAN

DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±0.15
4 PLC ±
ANGLES ±
FINISH -

MATERIAL

-

-

PRODUCT SPEC

108-32065

APPLICATION SPEC

114-32114

WEIGHT

-

CUSTOMER DRAWING

NAME

RECEPTACLE, STYLE 1, CDFP

SIZE

A2

CAGE CODE

-

DRAWING NO

©-2291931

RESTRICTED TO

-

SCALE

4:1

SHEET

1

OF

6

REV

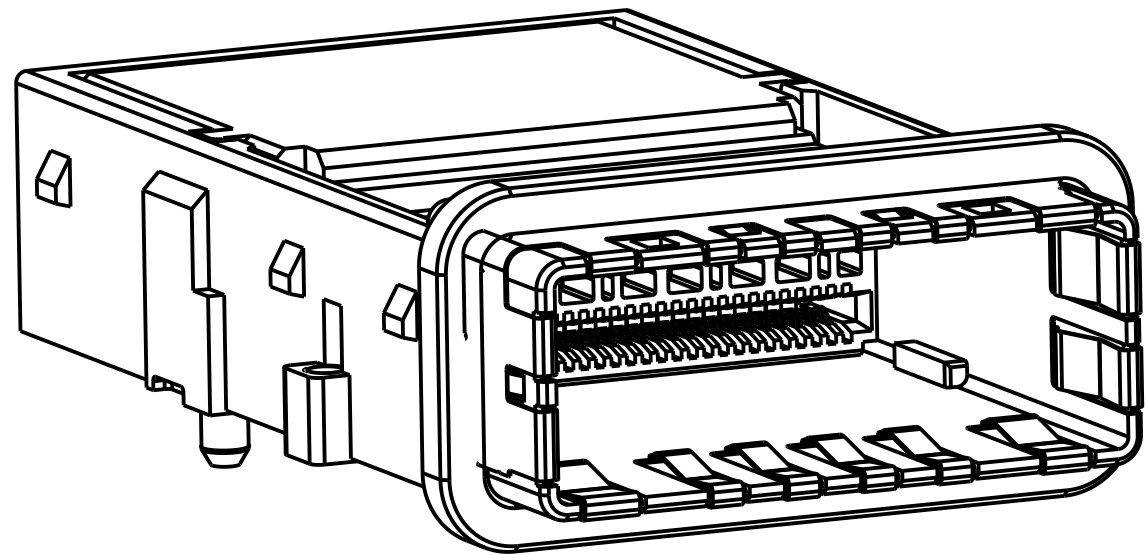
D1

1471-9 (3/13)

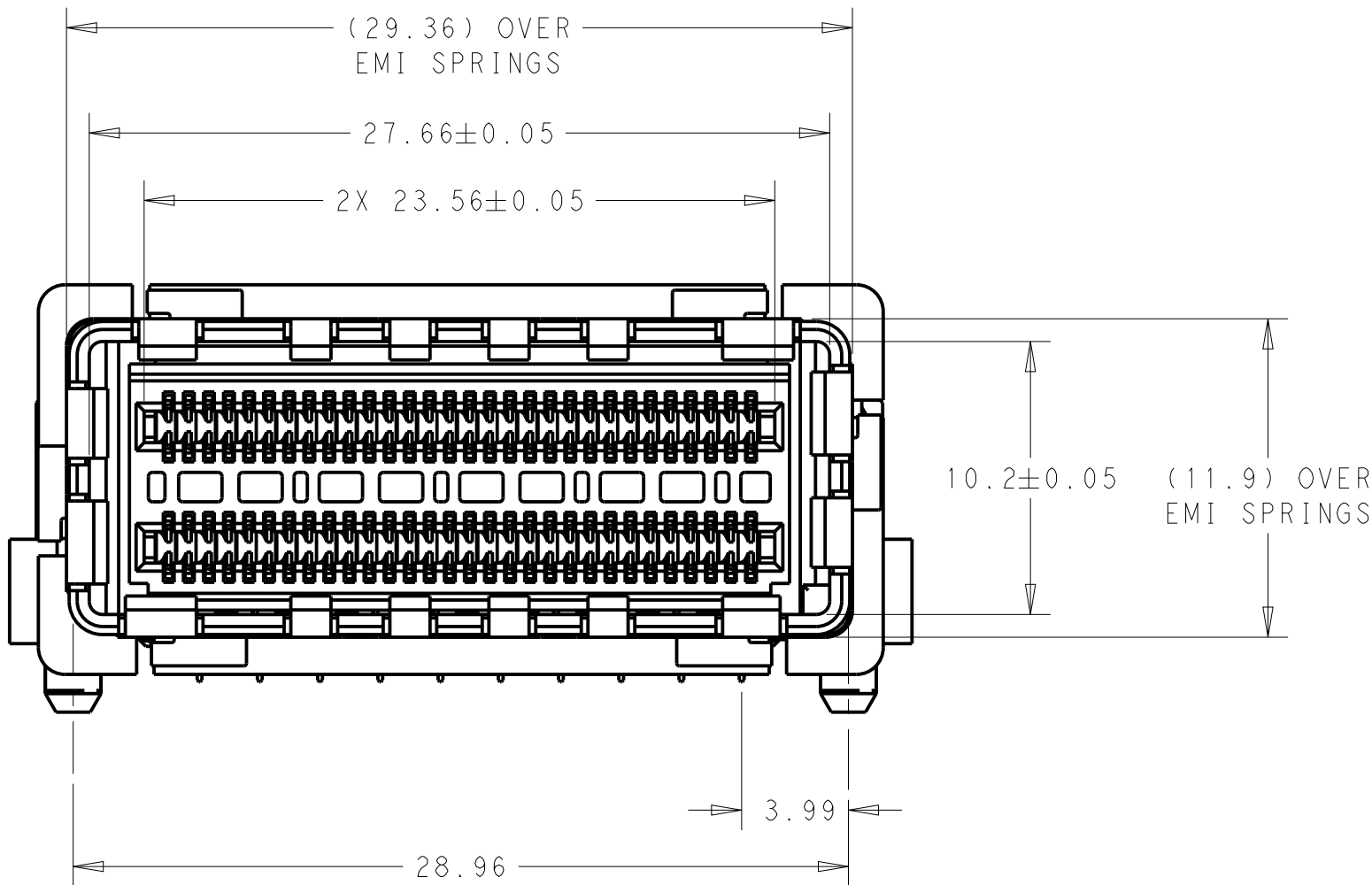
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P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

D

D

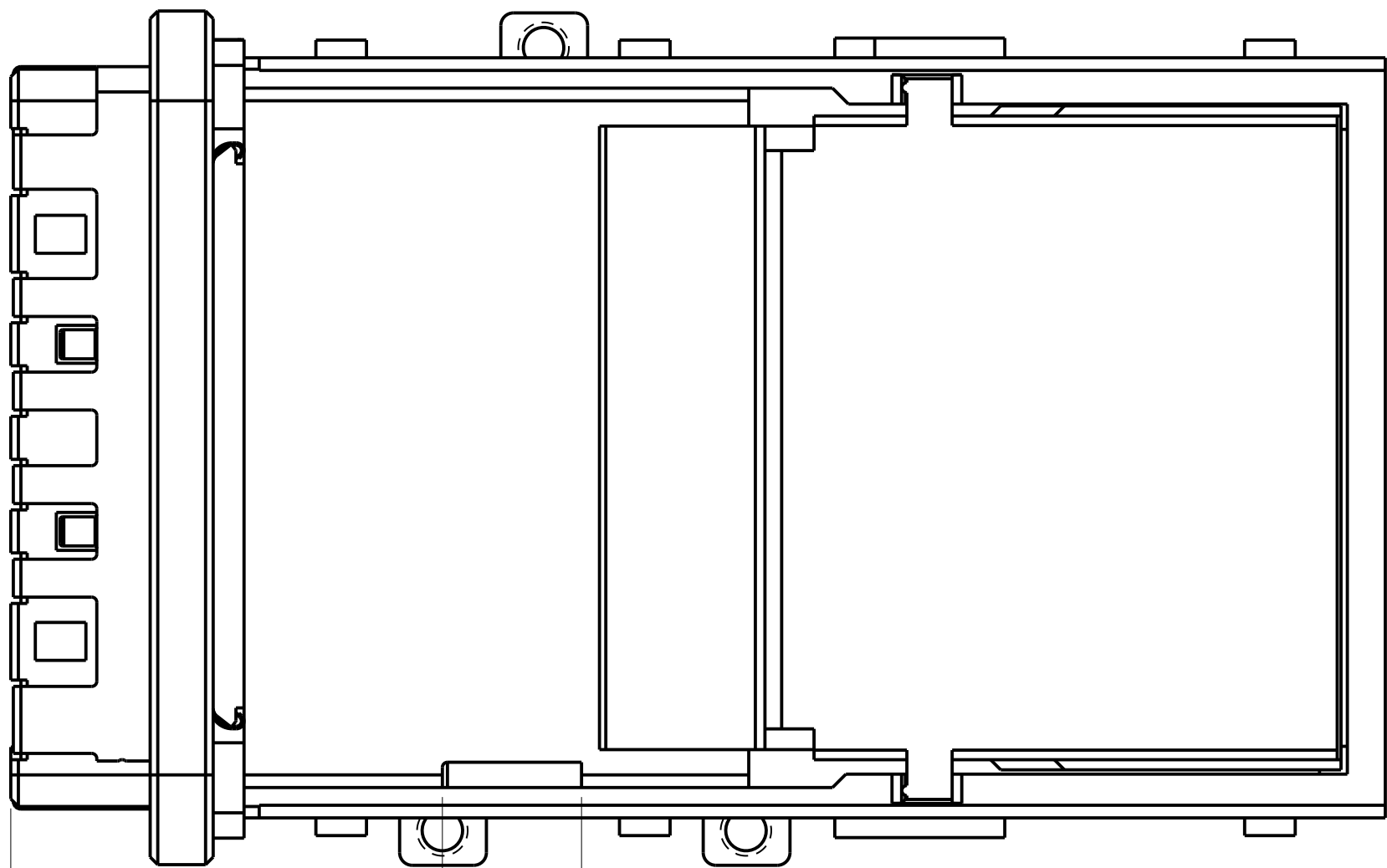


2291931-1, -5 SHOWN
SCALE 3:1

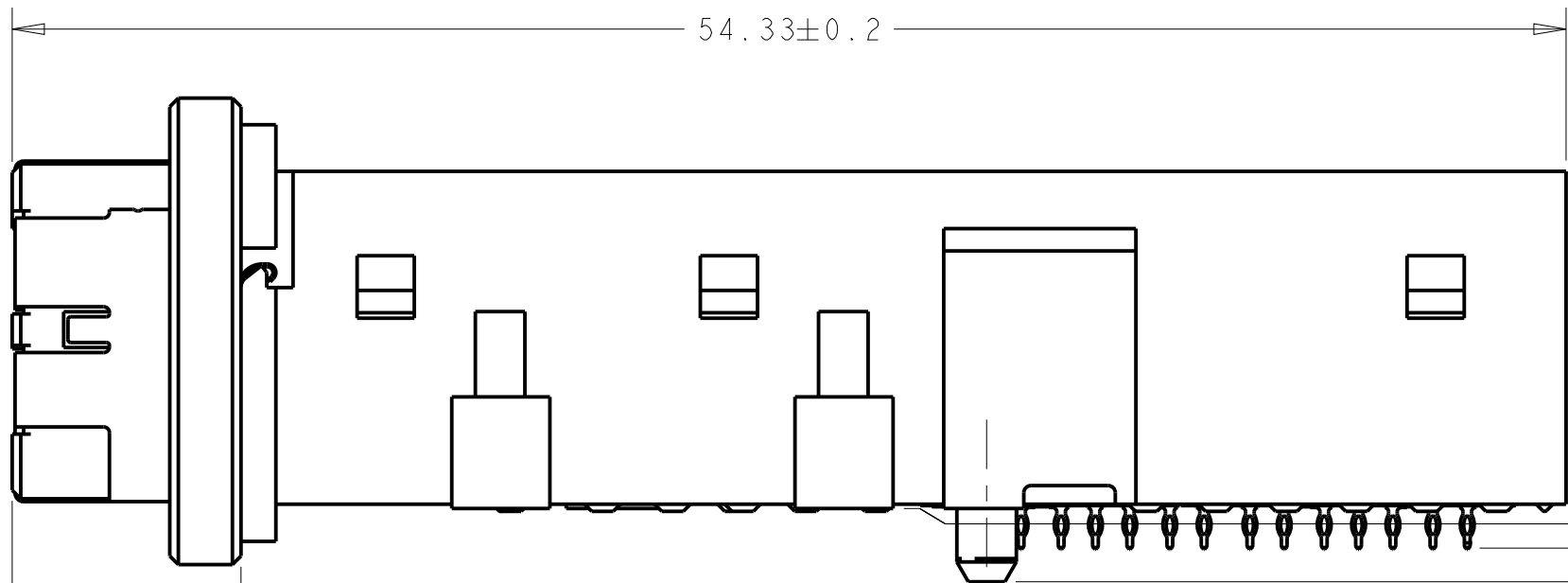


B

B



17.06±0.13 KEY LOCATION
5.5±0.1 KEY LENGTH



54.33±0.2
8±0.13
34.07±0.13
11.78±0.13
(2.56)
(1.38)
C OF GUIDE POSTS AND FIRST ROW OF COMPLIANT PINS.

A

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 30MAR2015	TE Connectivity			
		CHK SEAN HAN 30MAR2015				
		APVD SEAN HAN 30MAR2015	NAME RECEPTACLE, STYLE 1, CDFP			
DIMENSIONS:		PRODUCT SPEC	SIZE A2			
mm		APPLICATION SPEC	CAGE CODE -			
		WEIGHT	DRAWING NO C-2291931			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CUSTOMER DRAWING	RESTRICTED TO -			
0 PLC ±0.25		SCALE 4:1	SHEET 2 OF 6			
1 PLC ±0.25		REV D1				
2 PLC ±0.20						
3 PLC ±0.15						
4 PLC ±						
ANGLES ±						
FINISH						
MATERIAL -						
-						

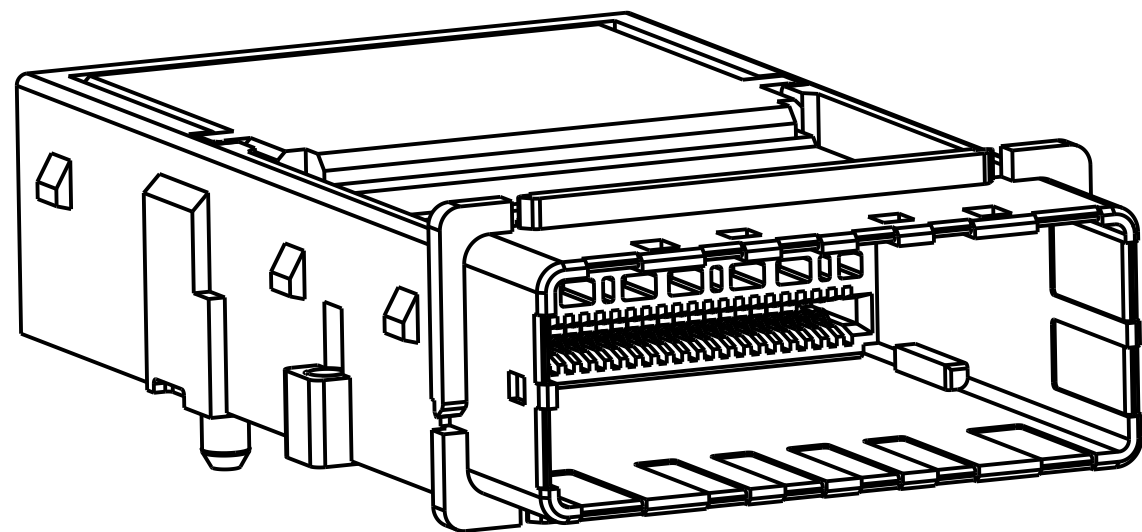
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

D

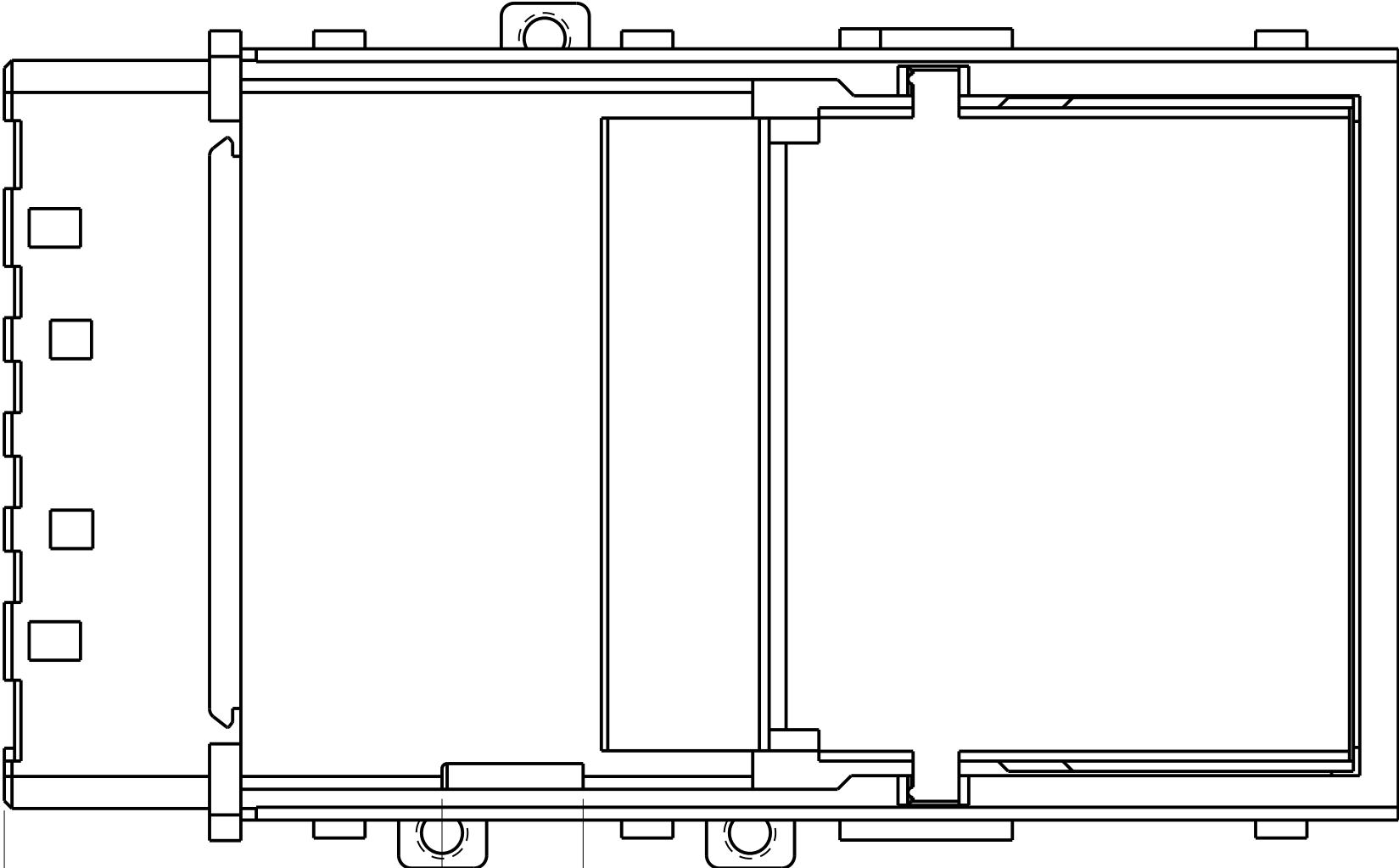
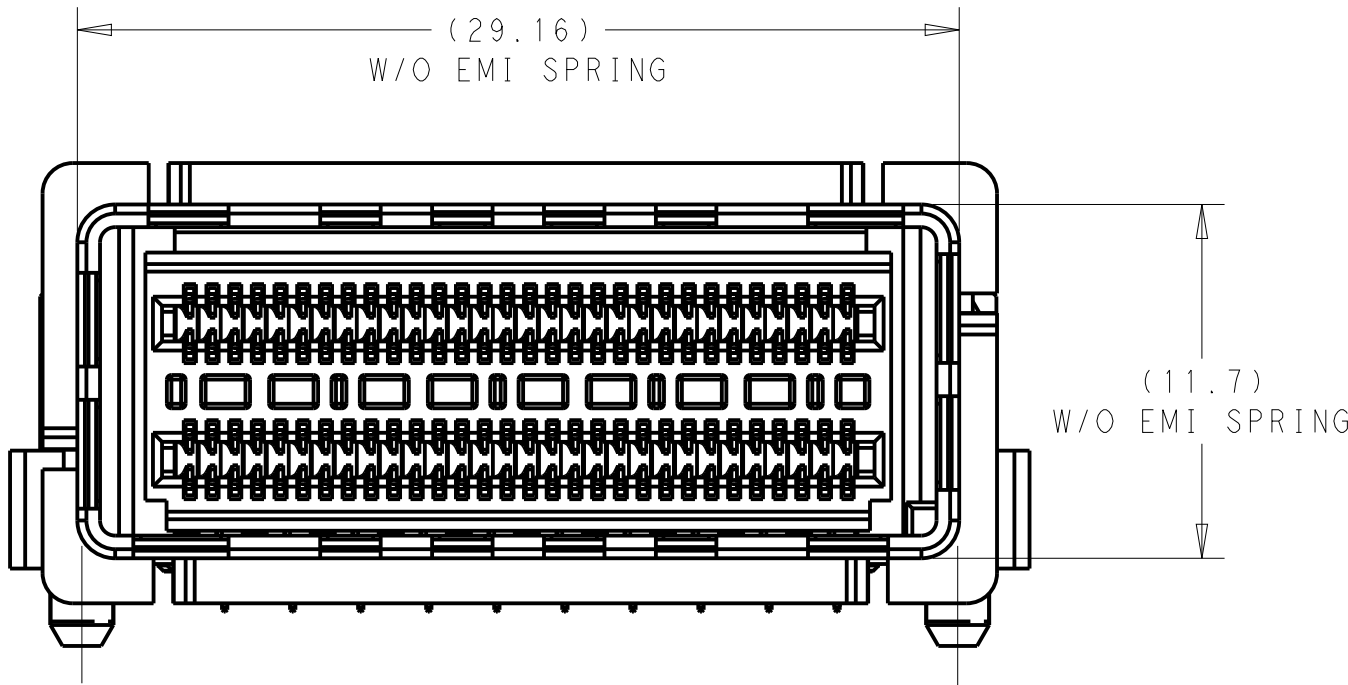
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B

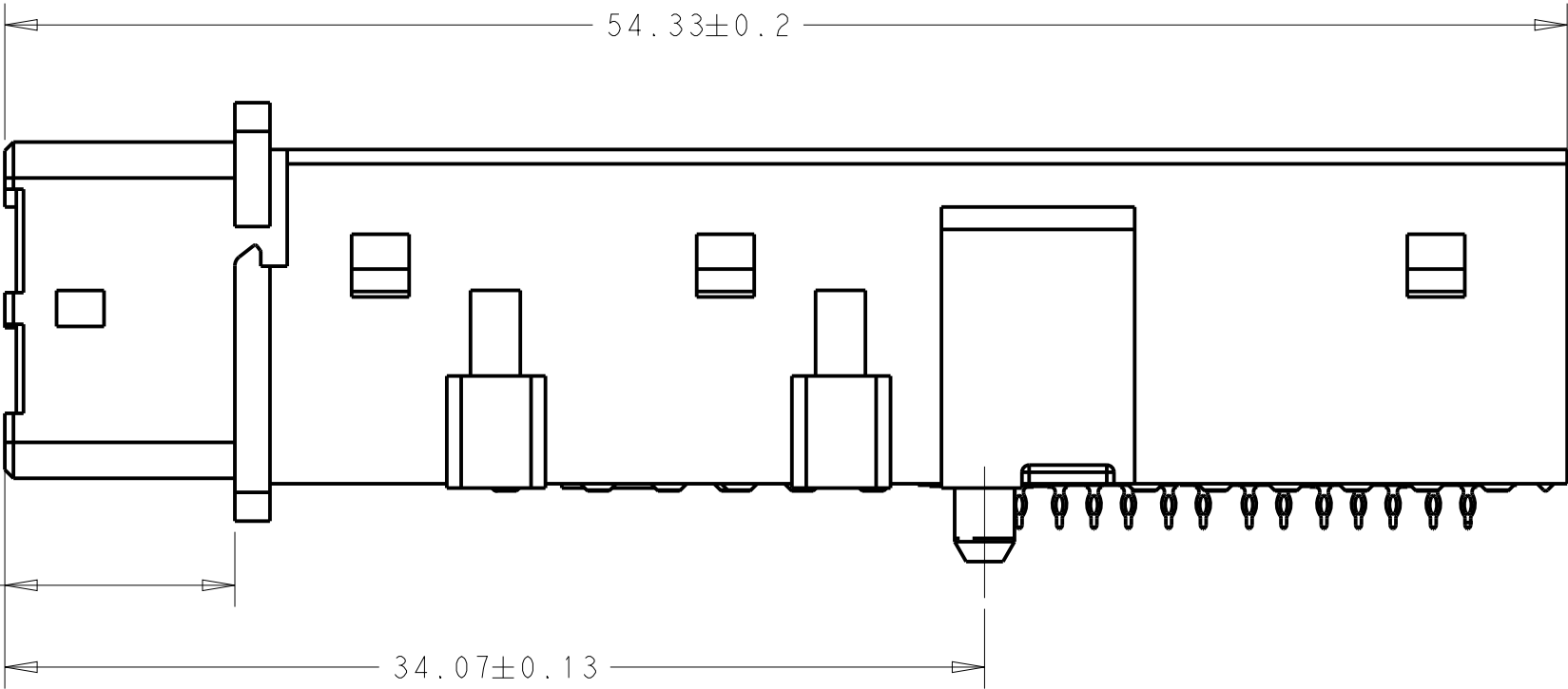
A



2291931-2, -3, -4 SHOWN
UNSPECIFIED DIMENSIONS ARE SAME AS 2291931-1
SCALE 3:1



17.06±0.13 KEY LOCATION
5.5±0.1 KEY LENGTH



D

C

B

A

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DIMENSIONS:
mm

MATERIAL
-
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±0.25
1 PLC	±0.25
2 PLC	±0.20
3 PLC	±0.15
4 PLC	±
ANGLES	±
FINISH	- -

DWN
JASON YANG
30MAR2015

CHK
SEAN HAN
30MAR2015

APVD
SEAN HAN
30MAR2015

PRODUCT SPEC
108-32065

APPLICATION SPEC
114-32114

WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

NAME
RECEPTACLE, STYLE 1,
CDFP

SIZE A2	CAGE CODE -	DRAWING NO C-2291931	RESTRICTED TO -
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SCALE 4:1 SHEET 3 OF 6 REV D1

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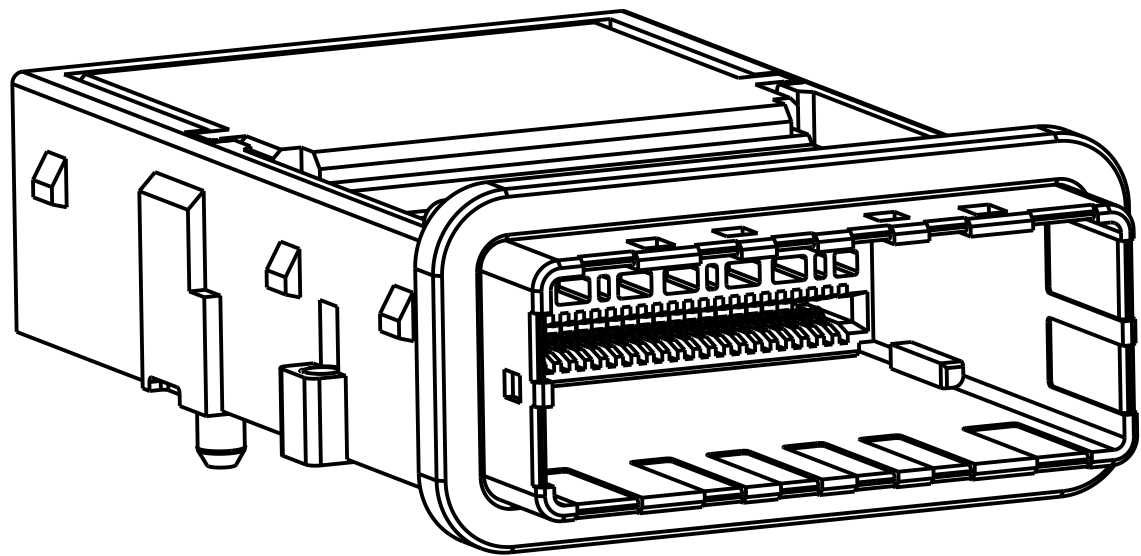
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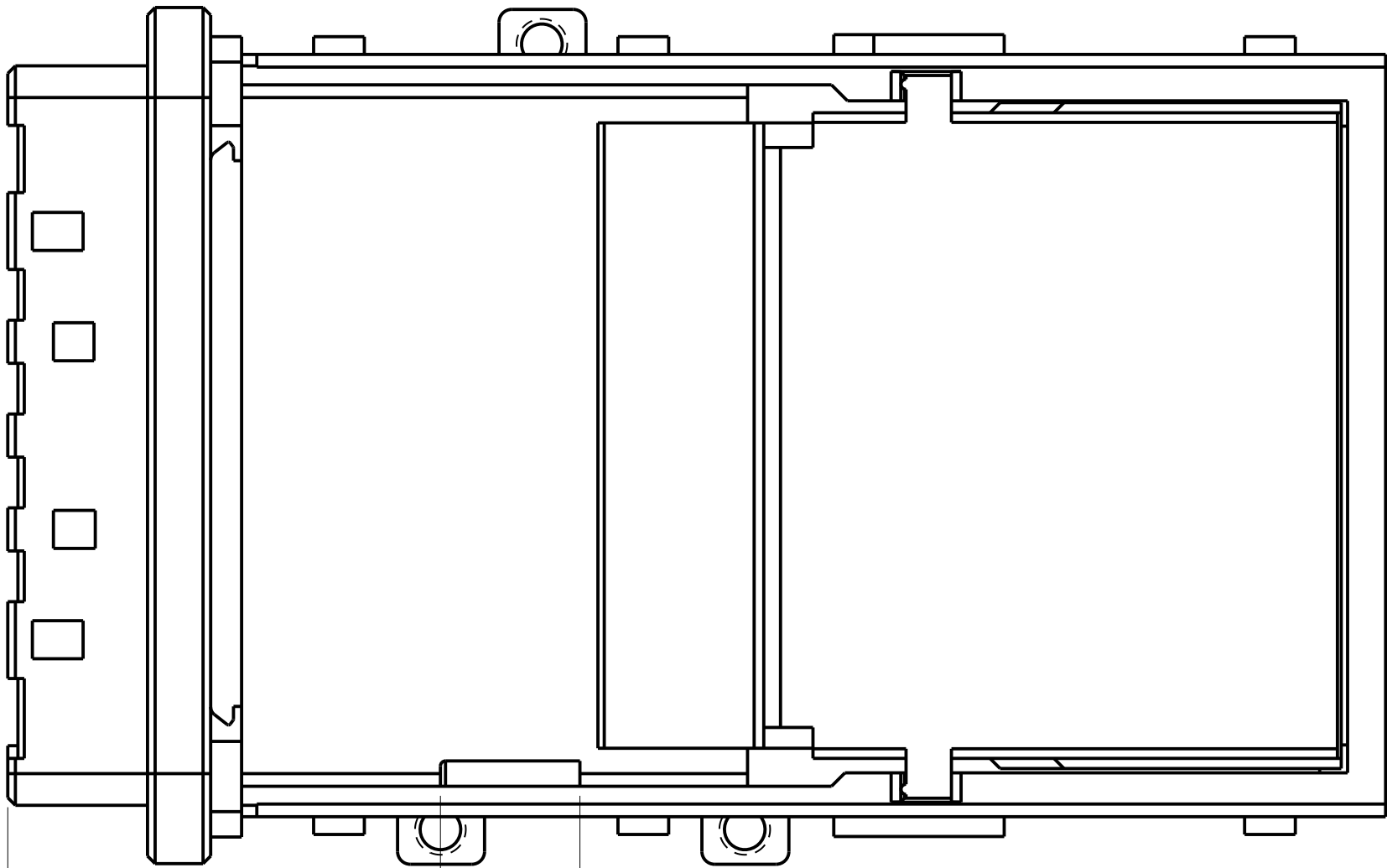
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

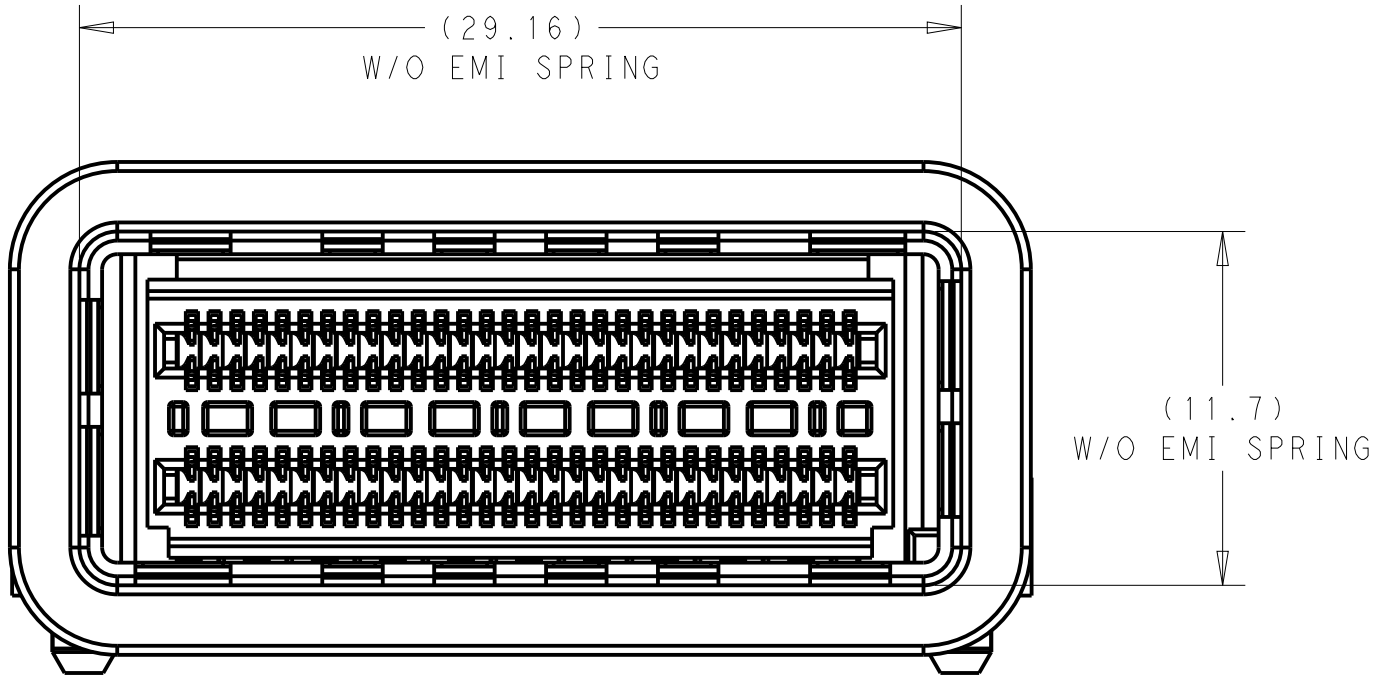


2291931-6/-7 SHOWN
UNSPECIFIED DIMENSIONS ARE SAME AS 2291931-1
SCALE 3:1



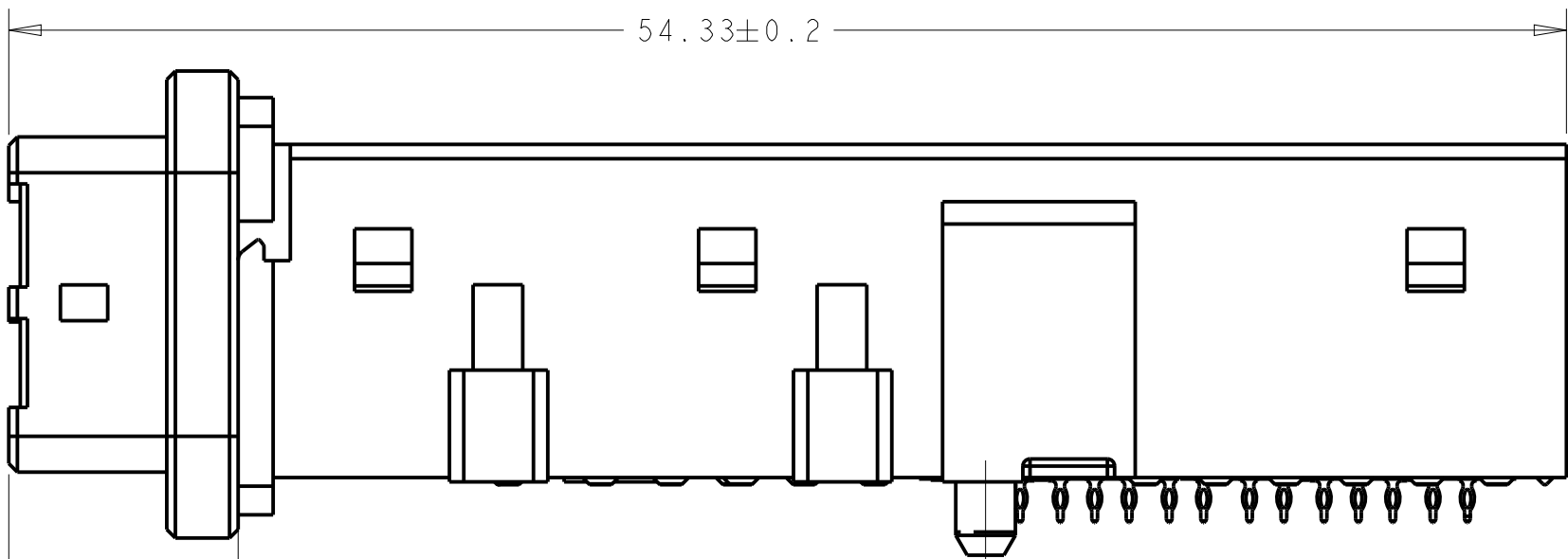
17.06±0.13
KEY LOCATION

5.5±0.1
KEY LENGTH



(29.16)
W/O EMI SPRING

(11.7)
W/O EMI SPRING



8±0.13

54.33±0.2

34.07±0.13

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DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±0.25
1 PLC	±0.25
2 PLC	±0.20
3 PLC	±0.15
4 PLC	±
ANGLES	±
FINISH	-
-	-

DWN
JASON YANG
30MAR2015

CHK
SEAN HAN
30MAR2015

APVD
SEAN HAN
30MAR2015

PRODUCT SPEC
108-32065

APPLICATION SPEC
114-32114

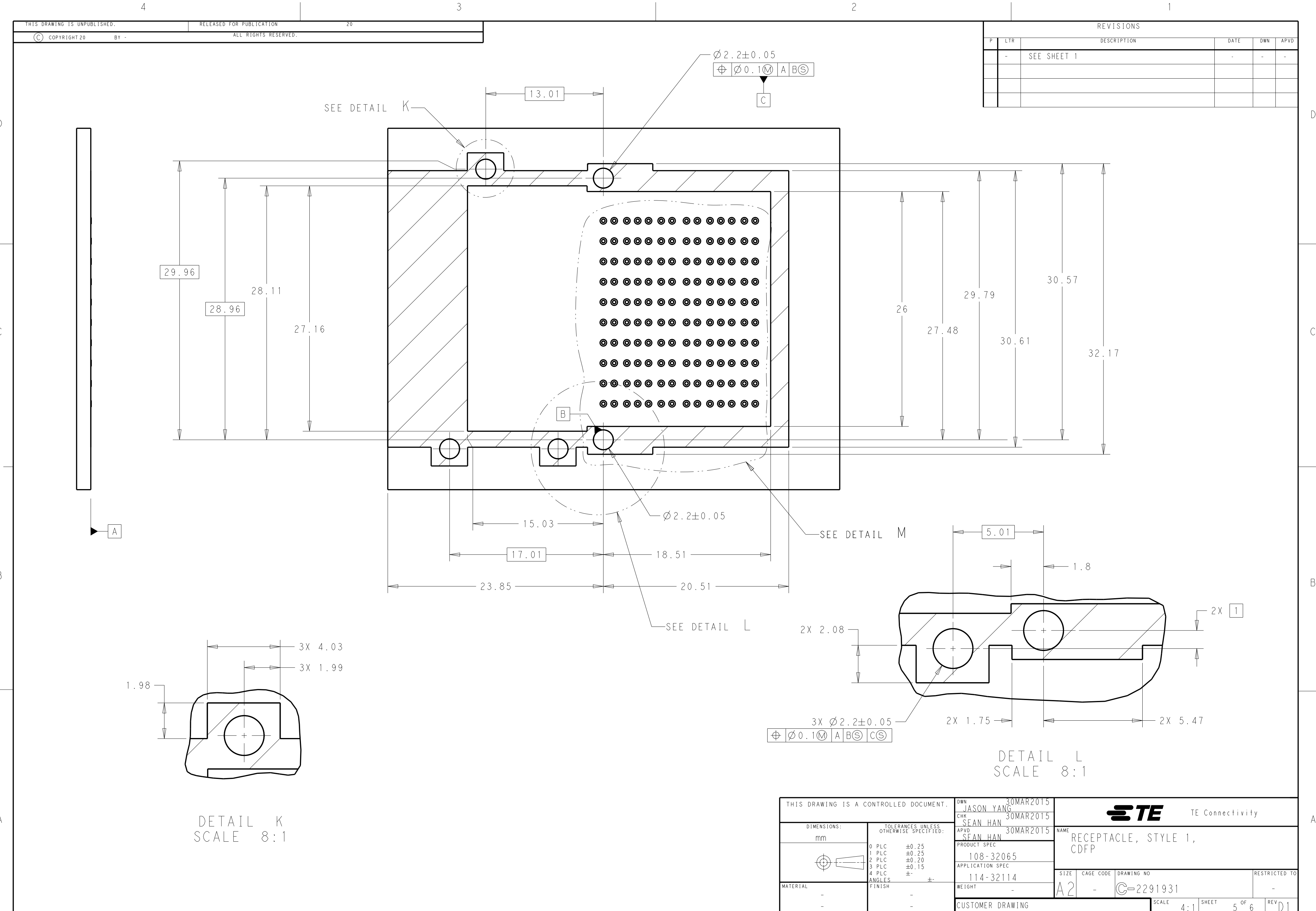
WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

NAME
RECEPTACLE, STYLE 1,
CDFP

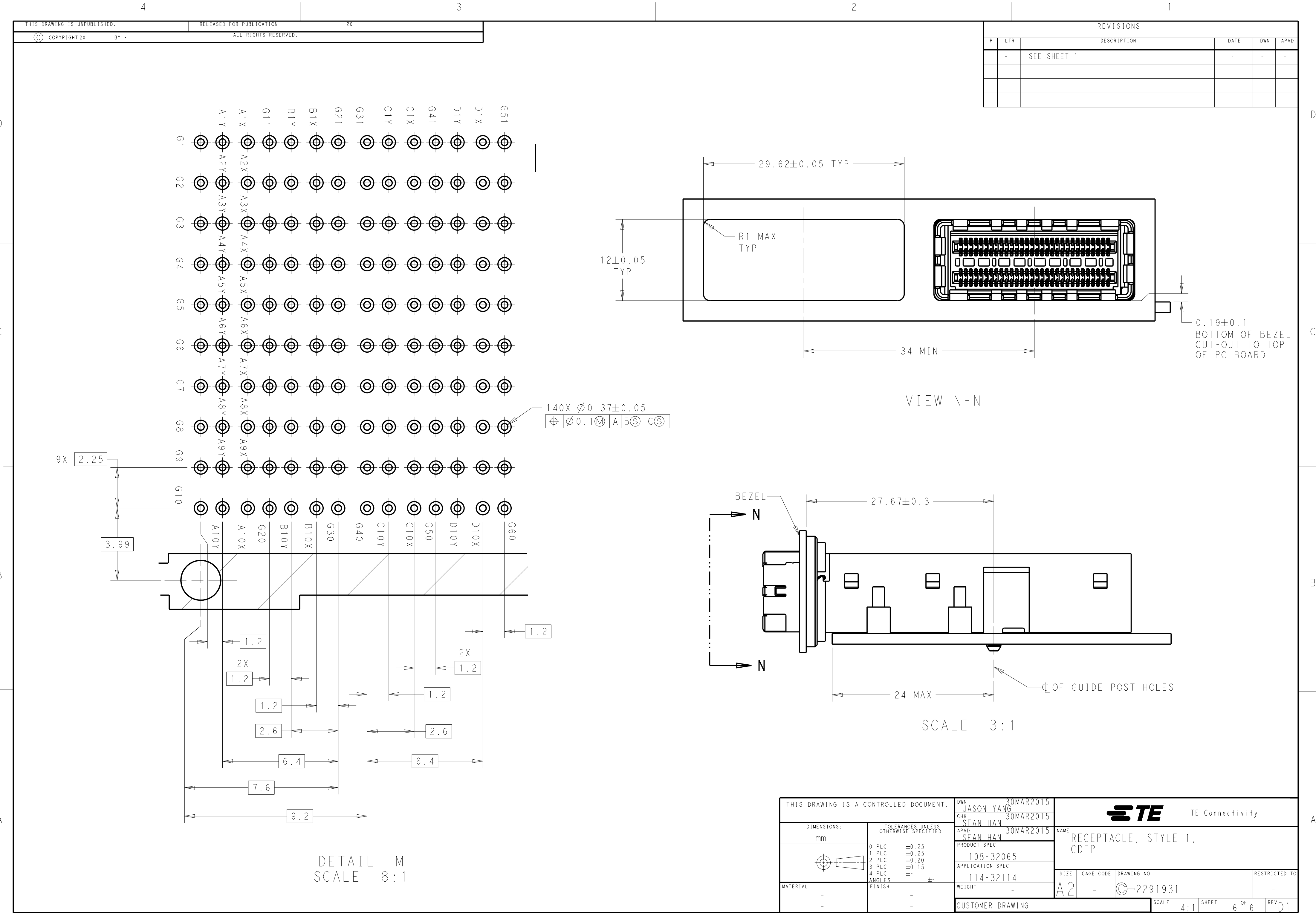
SIZE A2	CAGE CODE -	DRAWING NO C-2291931	RESTRICTED TO -
SCALE 4:1	SHEET 4 OF 6	REV D1	



REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN
-	-	SEE SHEET 1	-	-

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		CHK 30MAR2015 SEAN HAN		
		APVD 30MAR2015 SEAN HAN	NAME RECEPTACLE, STYLE 1, CDFP	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC
mm		0 PLC ±0.25		108-32065
		1 PLC ±0.25		APPLICATION SPEC
		2 PLC ±0.20		114-32114
		3 PLC ±0.15		WEIGHT
		4 PLC ±		-
		ANGLES ±		CUSTOMER DRAWING
		FINISH		SCALE 4:1
				SHEET 5 OF 6
				REV D1



Mouser Electronics

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[2291931-1](#)