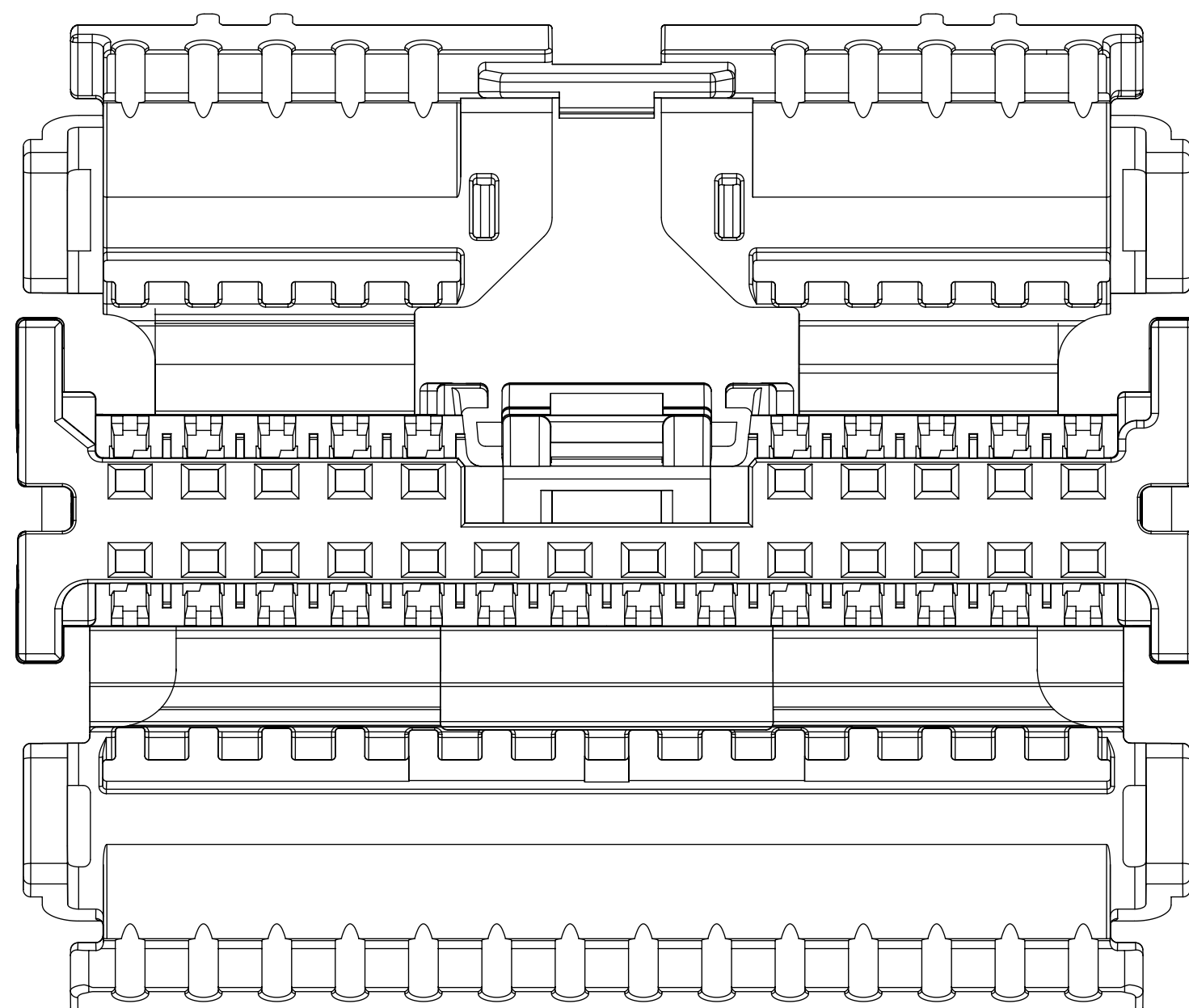
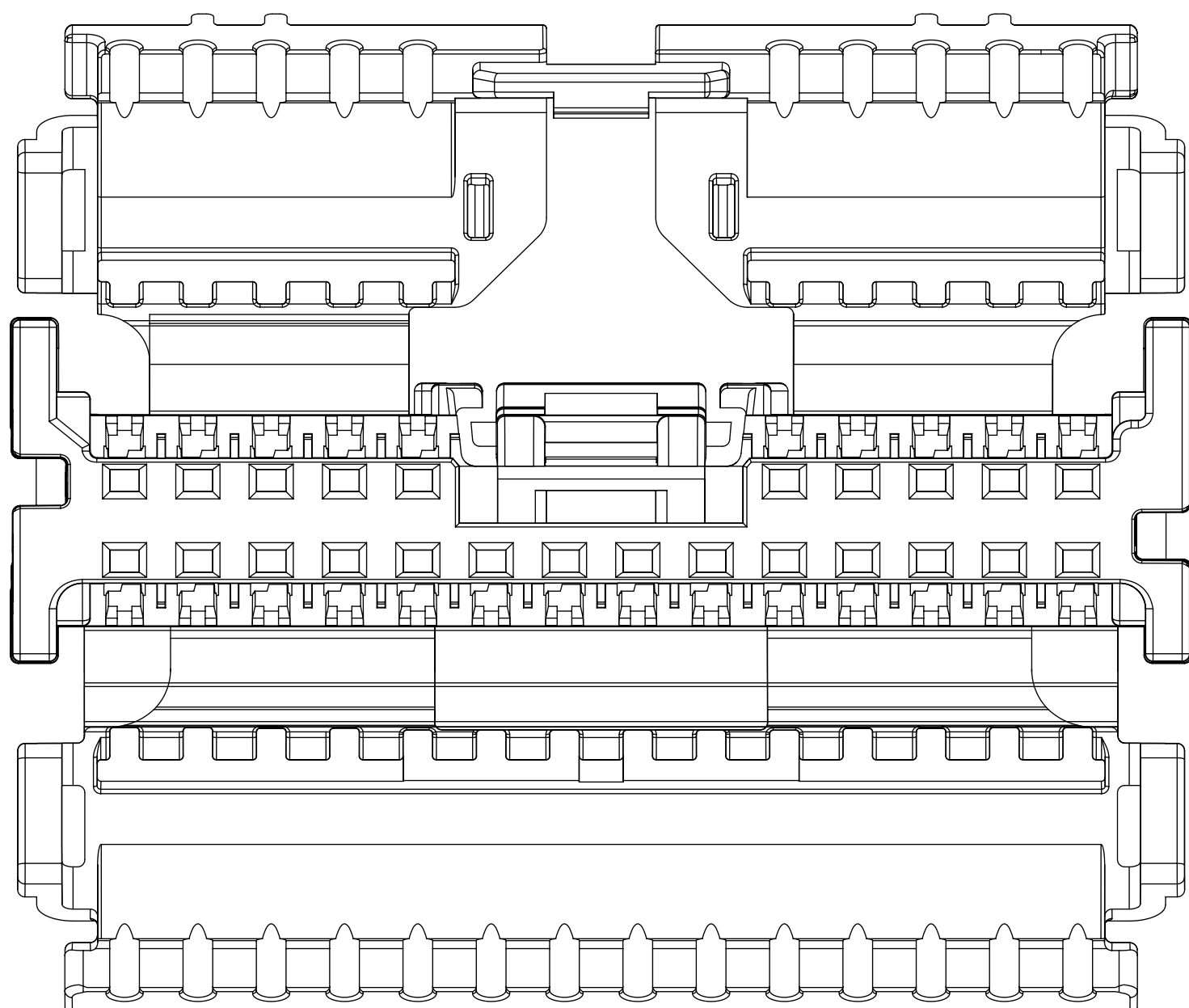
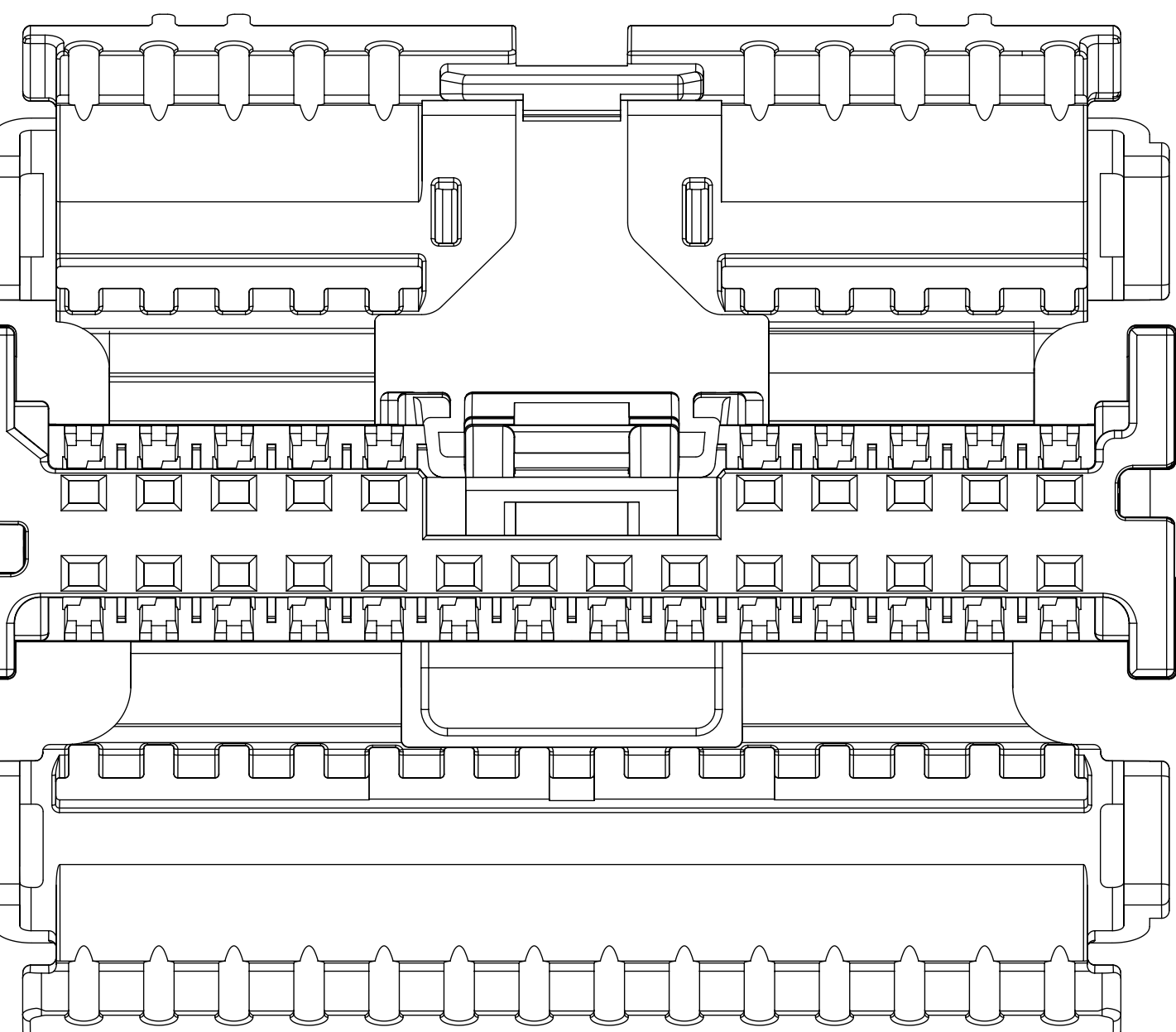
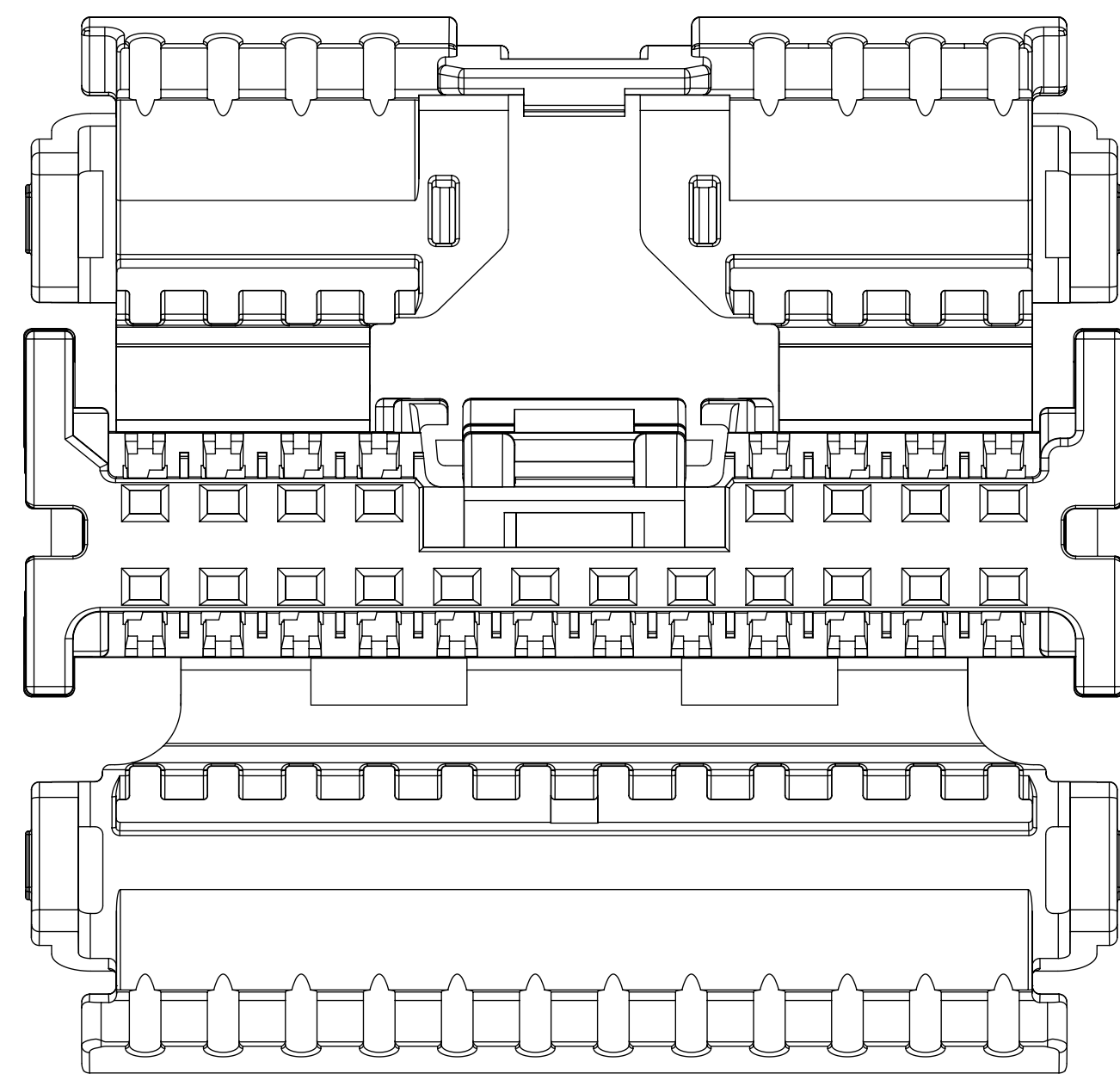
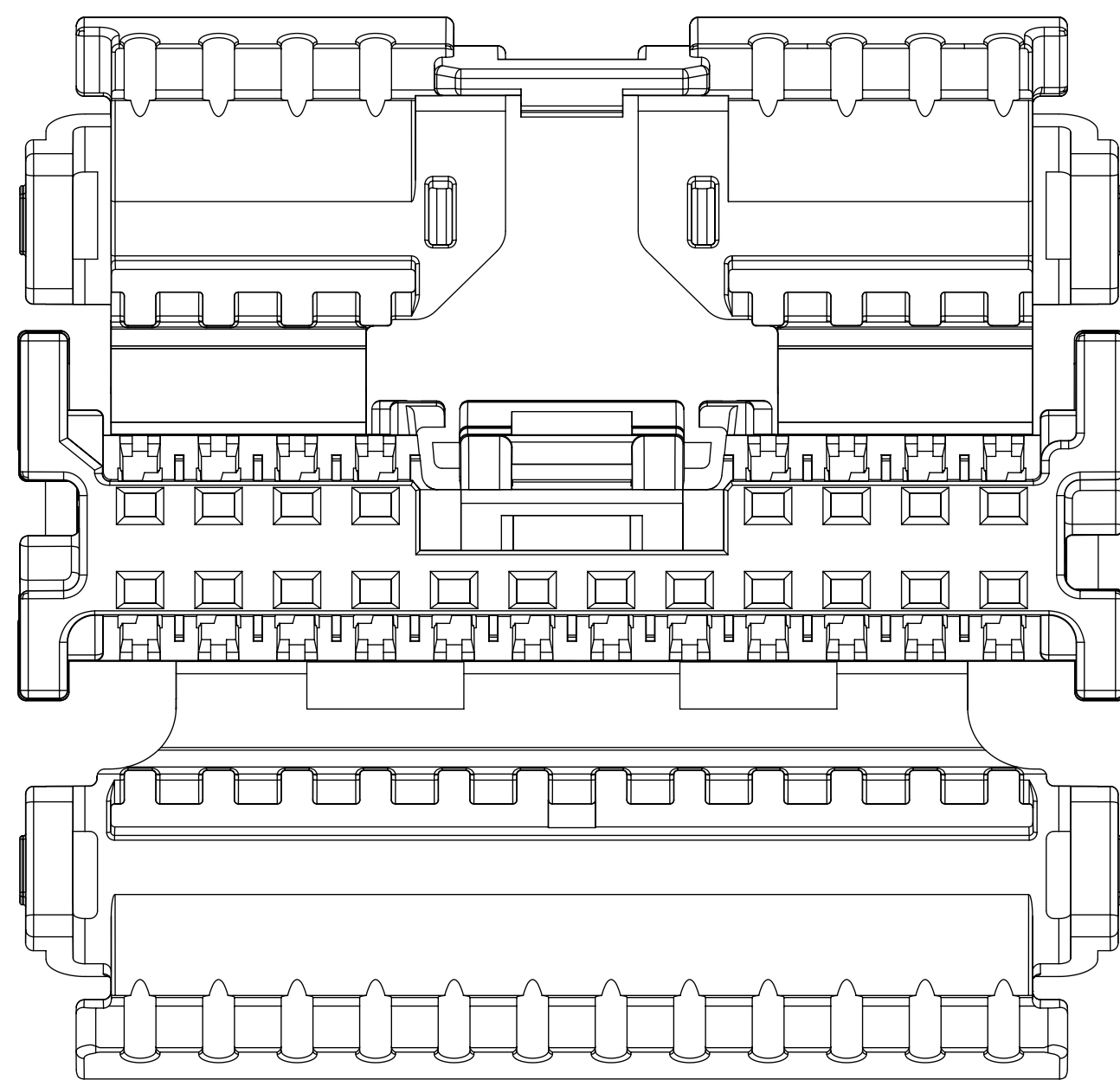
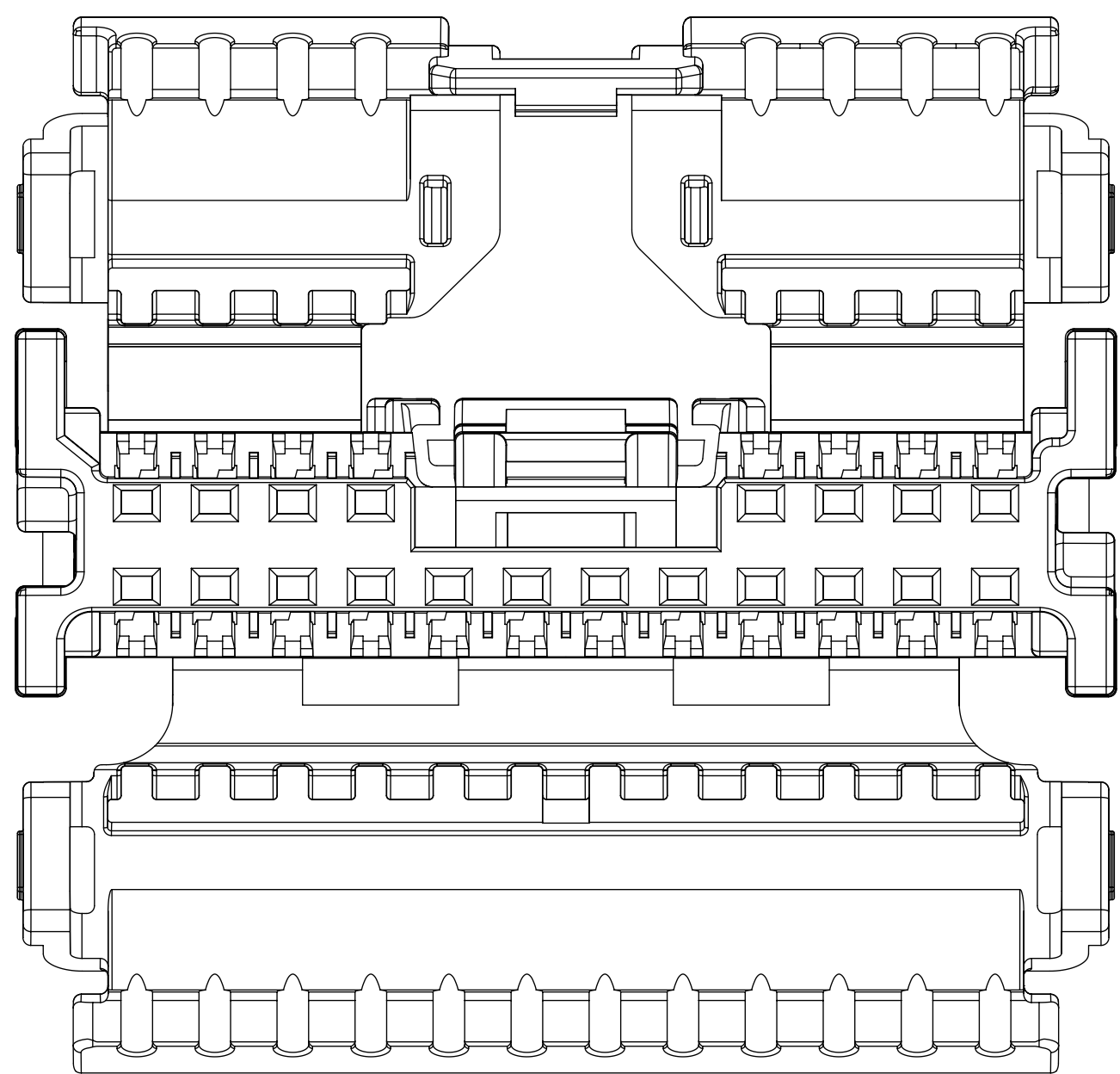
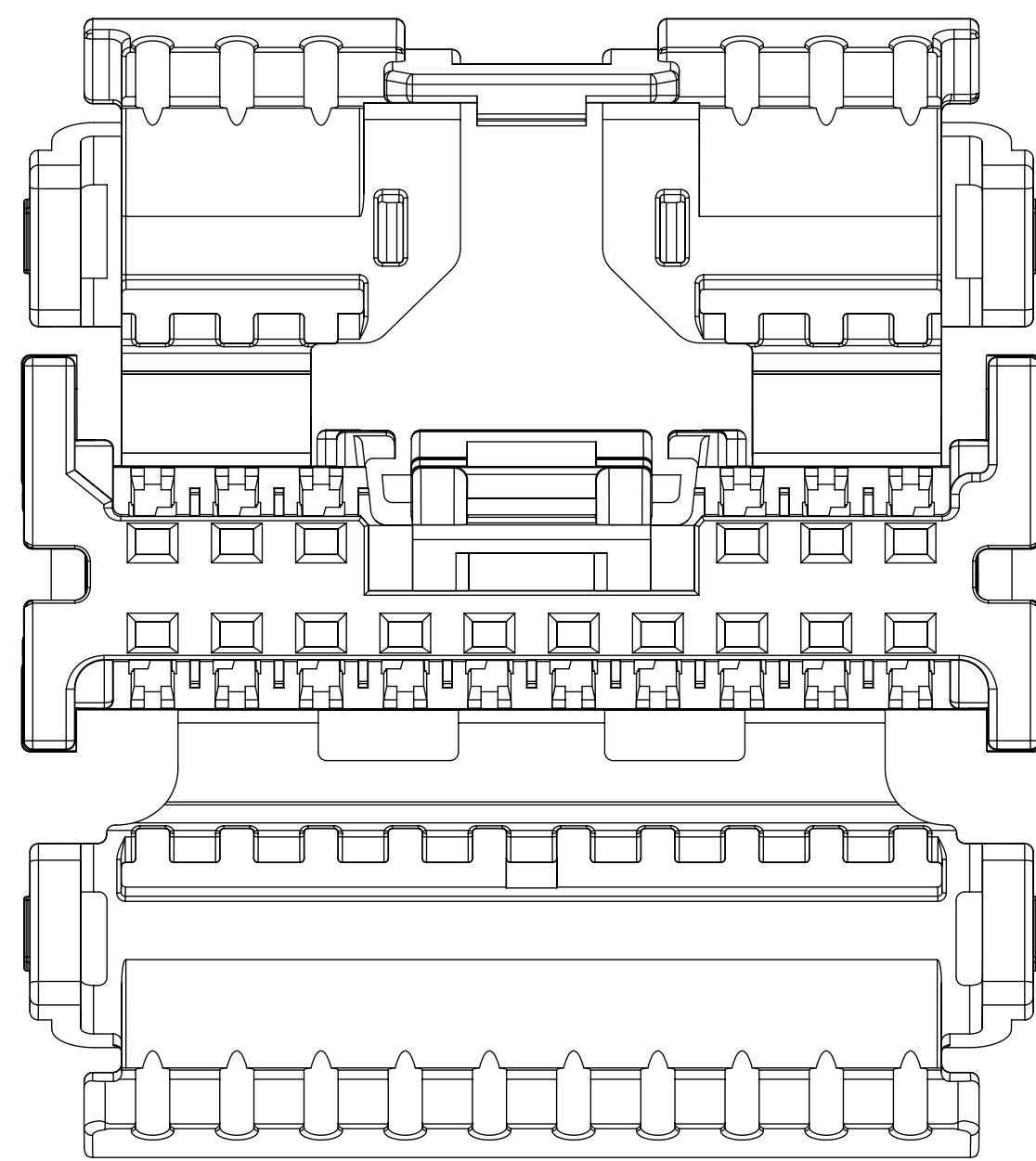
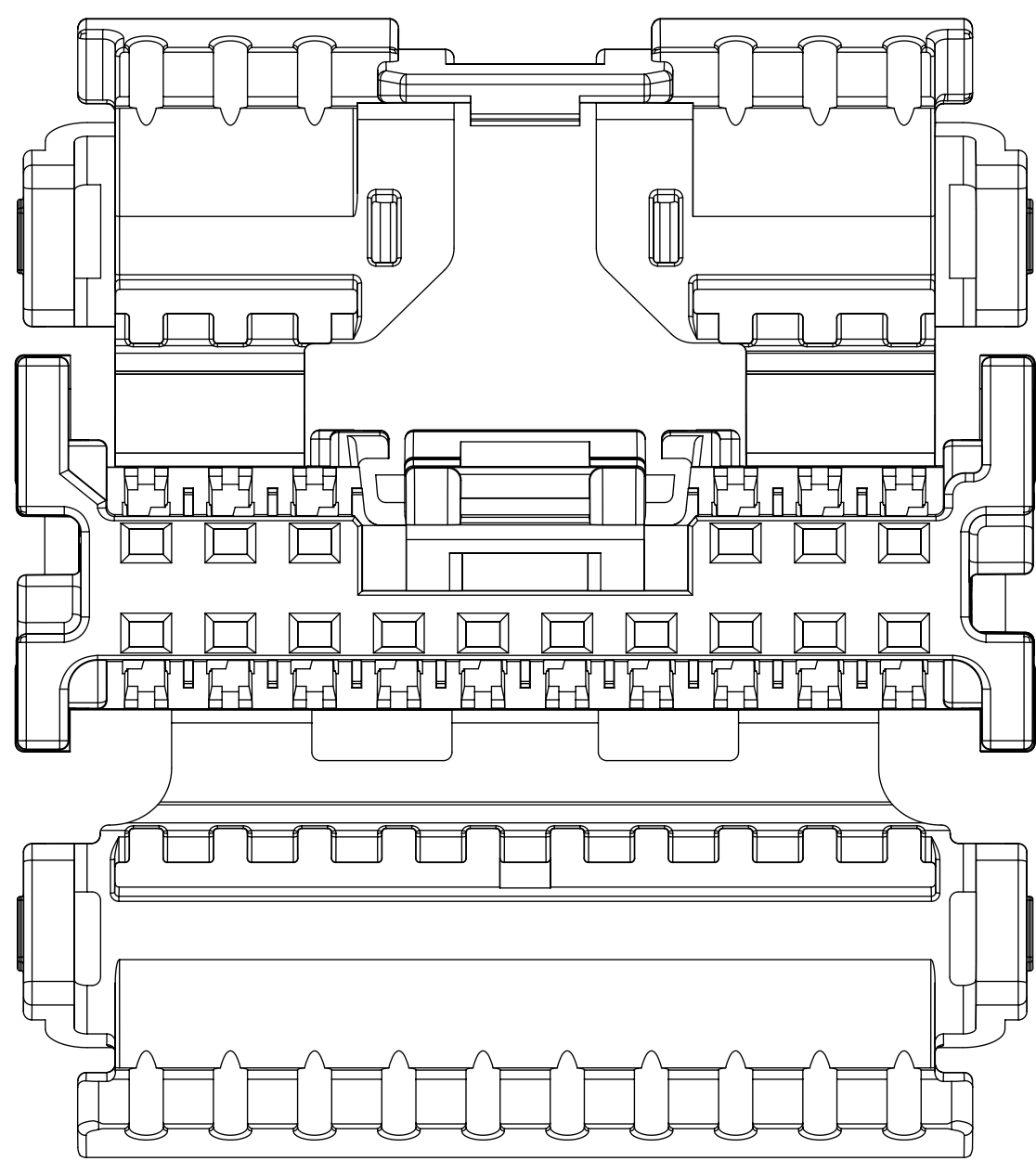
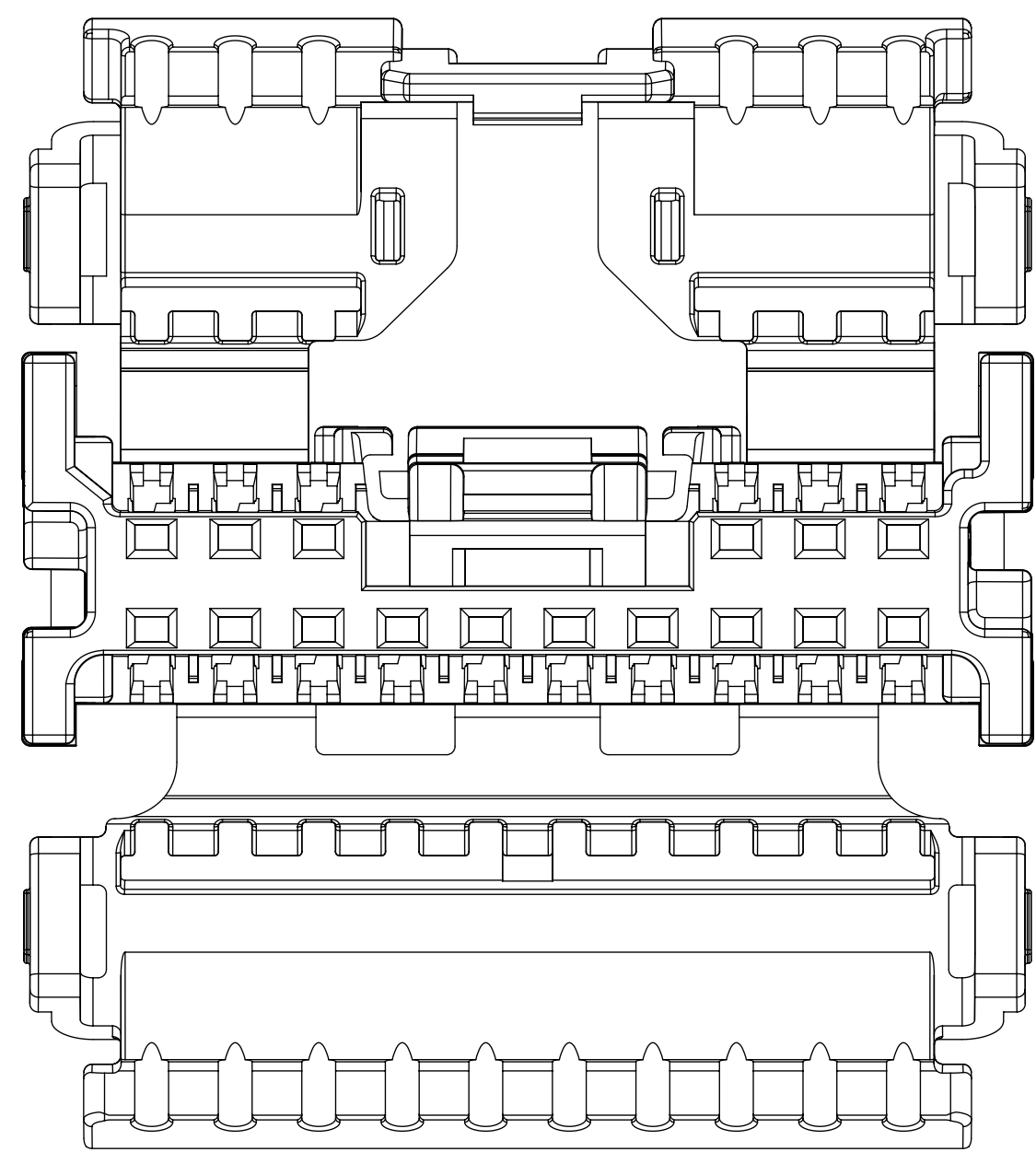
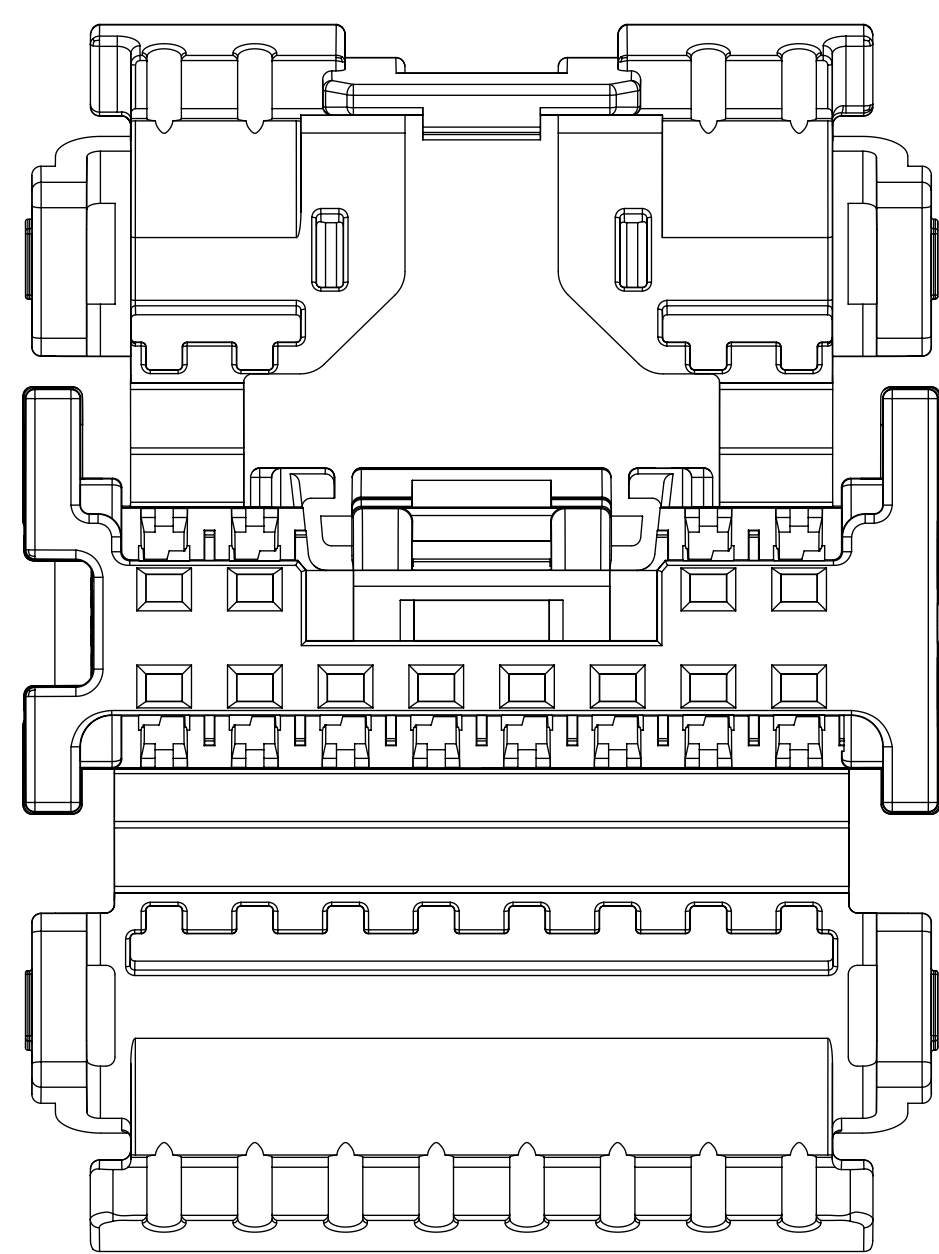
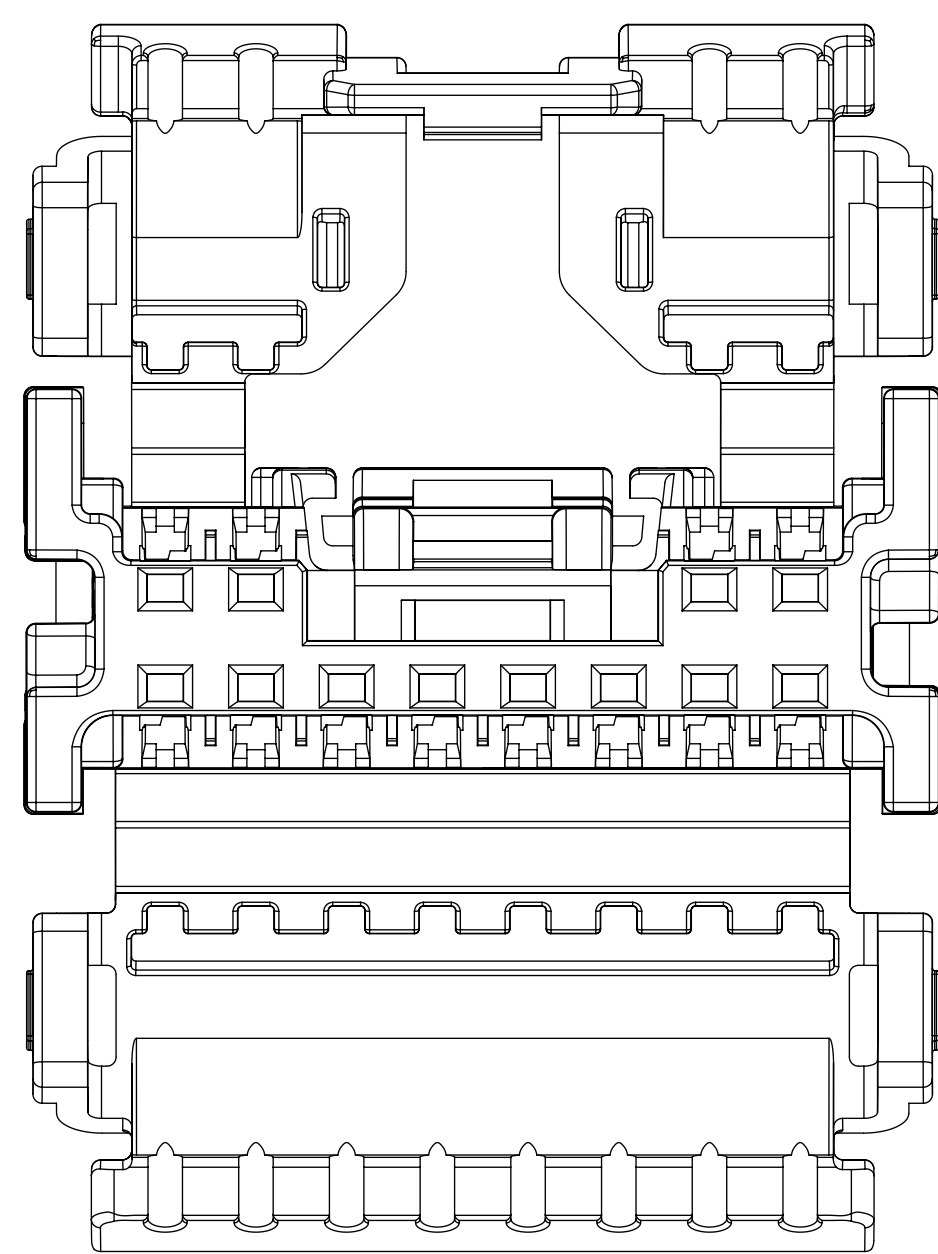
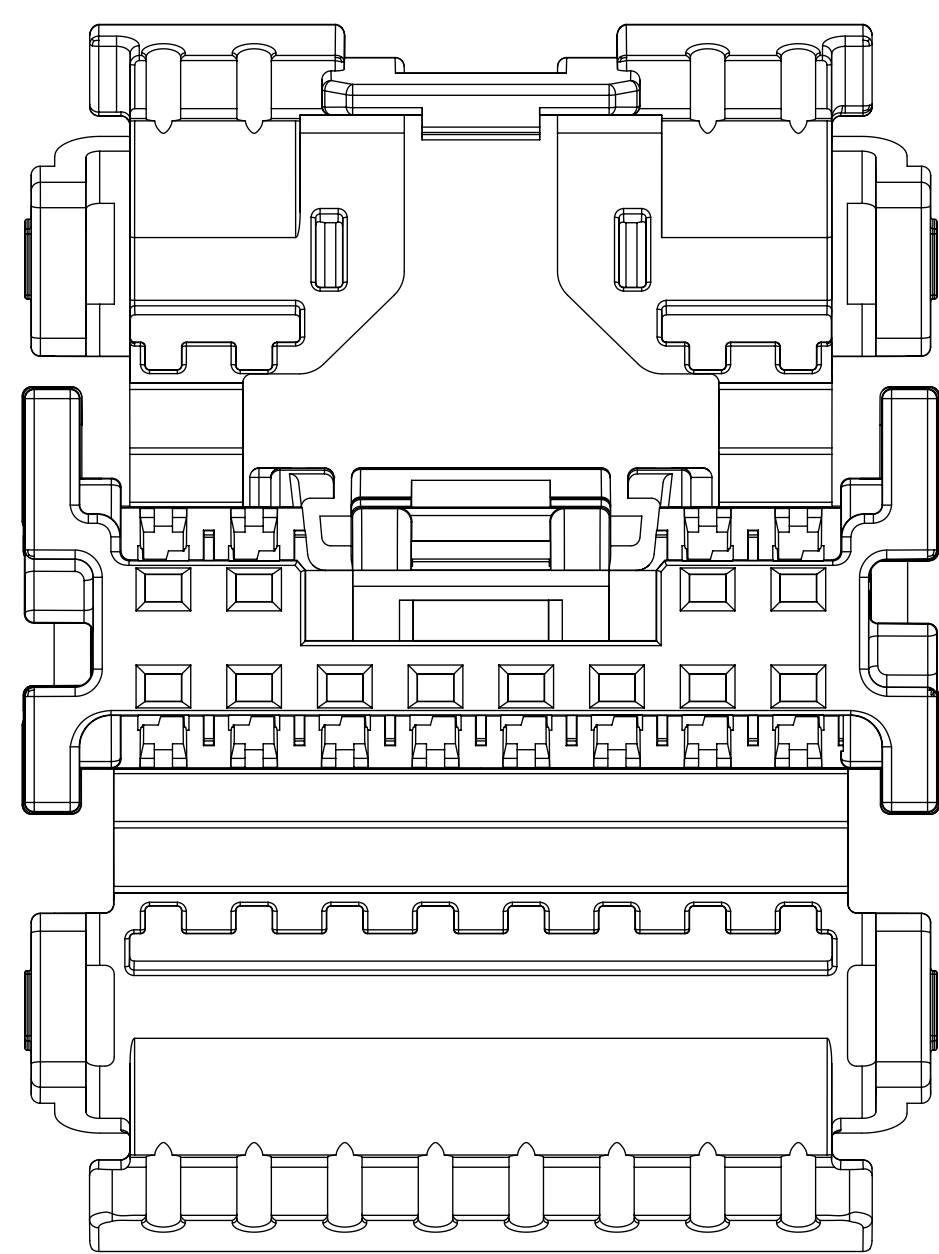




NOTES: VALID UNLESS OTHERWISE SPECIFIED

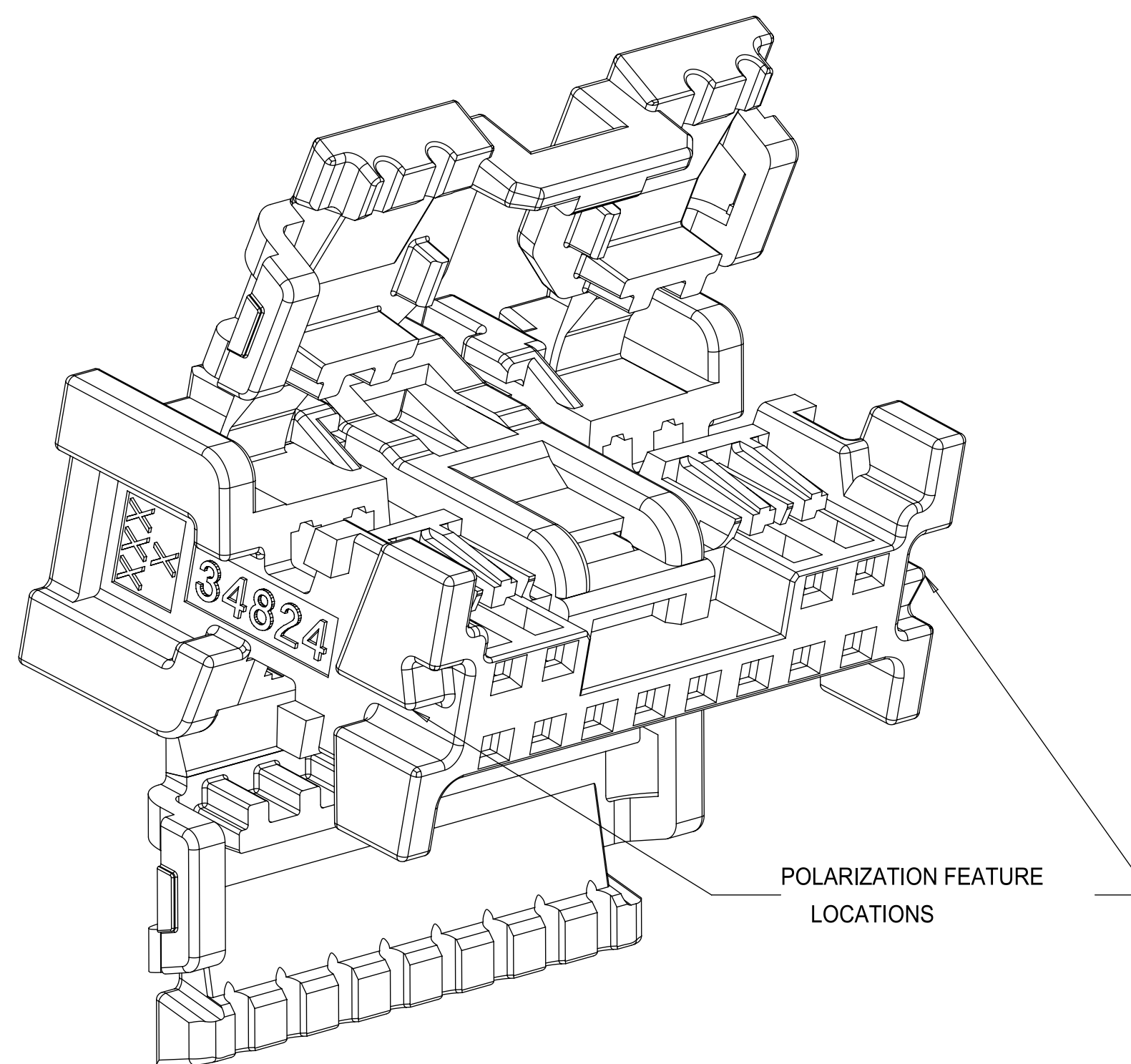
1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-34791-020
 - b. PRODUCT SPECIFICATION SEE: PS-34791-020
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE CHART
 - d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: PS-40000-5015
 - e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID# 13255)
 - f. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
 1. BURN RATE 100 mm/MIN MAXIMUM
 2. MATERIAL MUST BE SELF EXTINGUISHING
 - g. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
2. DESIGN - MATERIALS:
 - a. MATERIAL (12, 16, 20 CKT): UNFILLED PBT
 - b. MATERIAL (24 CKT): PA410 25% GF
3. DESIGN - GEOMETRY:
 - a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
 - c. GENERAL TOLERANCES:

LINEAR: PER DIN 16901 CODE B FOR PRECISION ENGINEERING (SEE TABLE)

ANGULAR: ±3°
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX
 - f. LETTERING SHALL BE 0.1 MAX RAISED IN 0.15 MAX RECESS PAD AND NOT PROTRUDE THE SURFACE. THIS INCLUDES RECYCLING CODE, PLANT AND CAVITY ID, VENDOR ID, CIRCUIT ID, AND PART SERIES NUMBER.
 - g. DIMENSION APPLIES ONLY TO RECTACEPTALS WITH LOCK BRIDGE OPTION.

HINGES OPEN

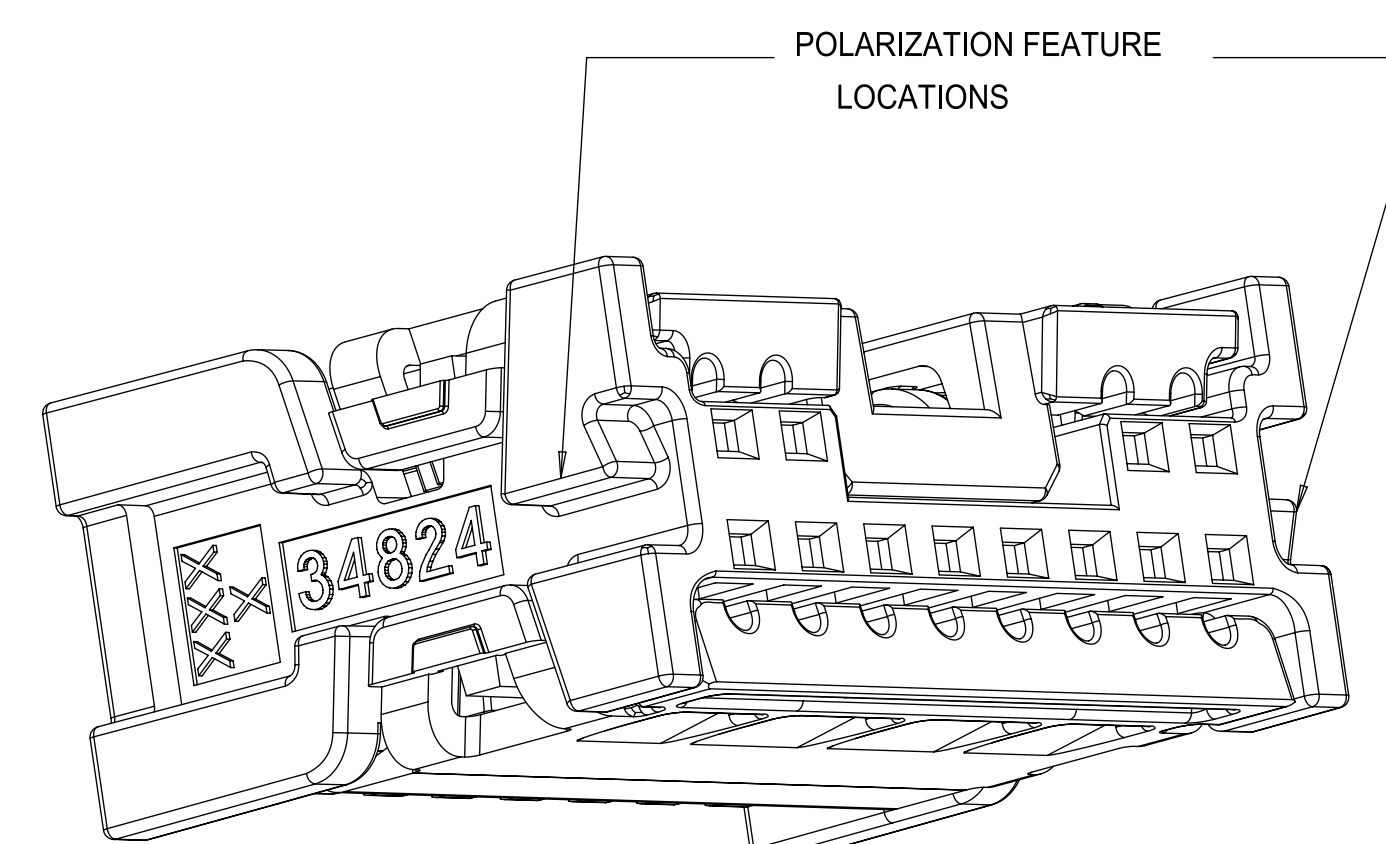
12 CIRCUIT RECEPTACLE SHOWN
(AS SHIPPED)



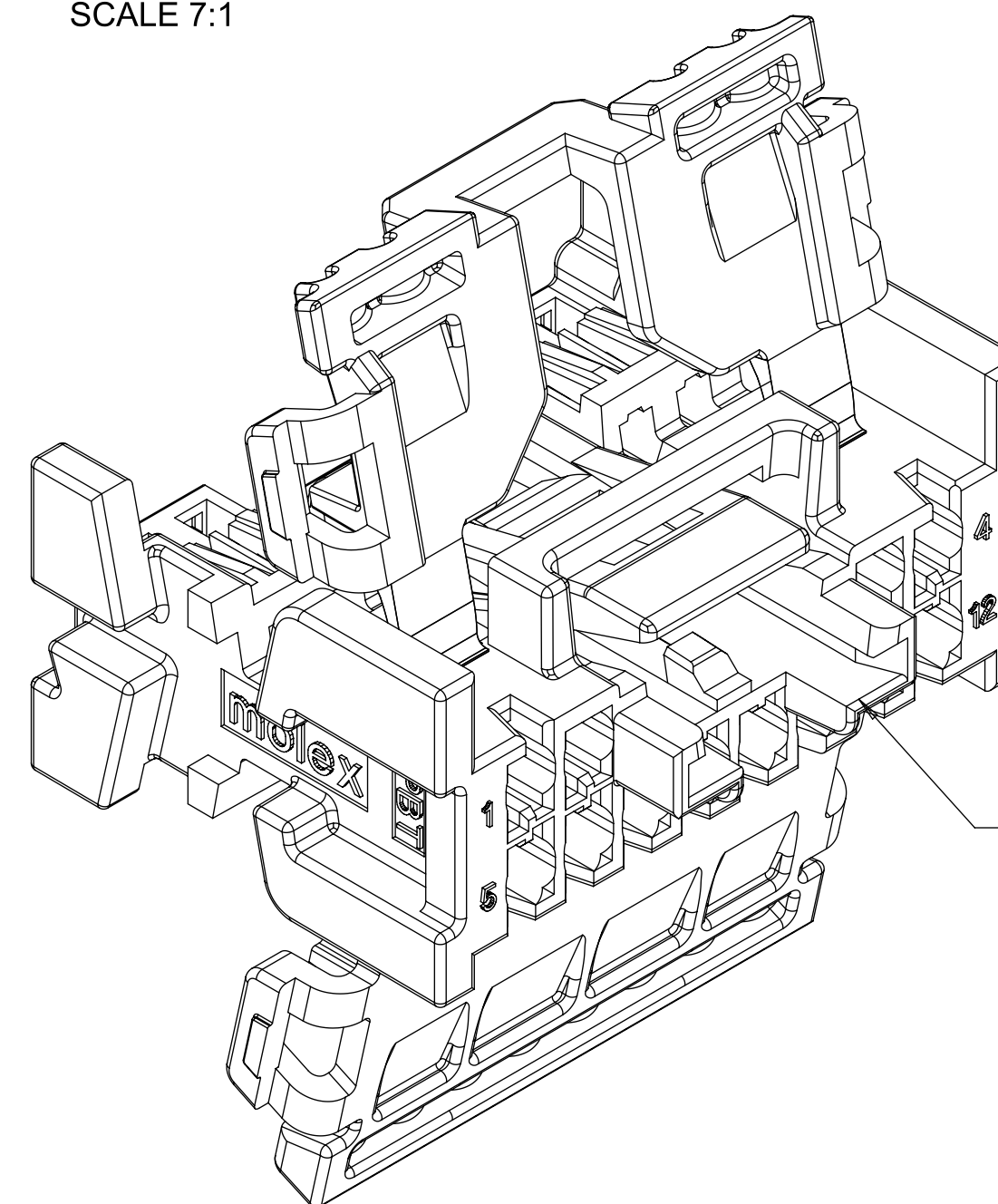
SCALE 7:1

HINGES CLOSED

12 CIRCUIT RECEPTACLE SHOWN
(AS ASSEMBLED)



SCALE 7:1



INSPECTION BALLOON NUMBER		
PER DRAWING REVISION: L		
LAST BALLOON USED: 17		
ADDED BALLOON NUMBERS:		
REMOVED BALLOON NUMBERS:	L	UPDATED 24 CKT
	REV	DESCRIPTION

L	UPDATED 24 CKT
REV	DESCRIPTION

molex®

MINI50 DUAL ROW RECEPTACLE SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
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34824	SEE TABLE	GENERAL MARKET
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DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
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SD-34824-002	PSD	001	1 OF 4
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QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
 = 0	EC NO: 115941 DRWN: SMAHESHBABU CHK'D: APPR: TMACHUGA 2017/04/18 2017/04/24	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE								
 = 0			MM ONLY		6:1								
 = 0			ANGULAR TOL ± °		DRWN BY		DATE		MINI50 DUAL ROW RECEPTACLE SALES DRAWING				
 = 0			4 PLACES ±		TCUCU		2011/03/10						
 = 0			3 PLACES ±		CHK'D BY		DATE						
 = 0			2 PLACES ± 0.1		TMACHUGA		2011/03/11						
 = 0			1 PLACE ± 0.2		APPR BY		DATE						
 = 0			0 PLACES ±		SMARCEAU		2012/05/21		PRODUCT CUSTOMER DRAWING				
 = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER	
 = 0			L	REV	E		34824		SEE TABLE		GENERAL MARKET		
 = 0	DOCUMENT NUMBER SD-34824-002						DOC TYPE PSD	DOC PART 001	SHEET NUMBER 1 OF 4				

RELEASE STATUS	P1	RELEASE DATE	24.04.2017	20:24:51
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Technical drawing of a 3D printed part, showing a top-down view and two side views. The top-down view includes the following labels and dimensions:

- CAVITY ID**: Points to the top-left corner of the central cavity.
- PLANT ID**: Points to the top-right corner of the central cavity.
- PART SERIES NUMBER**: Points to the number **34824** on the right side of the central cavity.
- Dimension 8**: A vertical dimension line on the left side, labeled **8 9.43±0.15**.
- Dimension 9**: A horizontal dimension line at the bottom, labeled **9 14.25±0.15**.

The part features a central cavity with a grid pattern on the left side and a series of numbers (34824) on the right side. The part is shown in a perspective view, with two side views illustrating its profile and the location of the central cavity.

(BRIDGED OPTION SHOWN BELOW)

(2.20)

CUT AWAY SHOWING LOCK BRIDGE HEIGHT

10 9.43±0.15

11 9.31±0.15

PART SERIES NUMBER

34824

PLANT ID

CAVITY ID

12 14.25±0.15

CPA TRAY

(8.29)

Technical drawing of a closed hinge assembly. The drawing shows a cross-section of the hinge mechanism. Labels include:

- VENDOR ID (pointing to the top left part of the hinge)
- RECYCLING CODE (pointing to the top right part of the hinge)
- molex (pointing to the central connector part)
- pat (pointing to the bottom right part of the hinge)

 A dimension line on the left indicates a height of 9.30 ± 0.10.

20.10±0.10

14

24.10±0.15

15

Technical drawing of the front view of a 16-pin D-sub connector. The drawing shows a symmetrical design with two rows of eight pins each. A central rectangular cutout is visible. Dimension lines indicate a total width of 28.10 ± 0.15 mm and a pin pitch of 1.6 mm.

A top-down diagram of a 12-seat aircraft cabin layout. The cabin is divided into three main sections: a front section with two rows of four seats each, a middle section with two rows of six seats each, and a rear section with two rows of four seats each. The seats are arranged in a 2-4-2 configuration. Circuit ID labels are placed around the cabin: '1' is at the front left, '2' is at the front right, '3' is at the rear left, and '4' is at the rear right. A label '5' is located between the front and middle sections on the left side. A label '12' is located between the middle and rear sections on the right side. A label 'CIRCUIT ID' is at the top center, with lines pointing to the labels '1' and '2'.

OPTIONAL LOCK —
BRIDGE

PASS THRU DIAMETER
Ø35.48
1 mm ADDITIONAL CLEARANCE
ADDED TO TIGHTEST FIT CIRCLE

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MINI50 RECEPTACLE ASSEMBLIES

MATERIAL NUMBER BULK PACKAGING PK-31301-538	LOCK BRIDGE OPTION	CONFIGURATION	CIRCUIT	POL	COLOR	MATING COMPONENT					
						SURFACE MOUNT TECHNOLOGY (SMT) HEADER		VERTICAL THRU HOLE HEADER		RIGHT ANGLE THRU HOLE HEADER	
						TAPE AND REEL PACKAGING PK-31301-786	TUBE PACKAGING PK-31301-688	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688
34824-0124	NO	USCAR COMPATIBLE	12	A	BLACK	34897-8120	34897-9120	34825-0124	34825-9124	34826-0124	34826-9124
34824-0125	NO	USCAR COMPATIBLE	12	B	GRAY	34897-8121	34897-9121	34825-0125	34825-9125	34826-0125	34826-9125
34824-0126	NO	USCAR COMPATIBLE	12	C	DARK GRAY	34897-8122	34897-9122	34825-0126	34825-9126	34826-0126	34826-9126
34824-1124	YES	USCAR COMPATIBLE	12	A	BLACK	34897-8120	34897-9120	34825-0124	34825-9124	34826-0124	34826-9124
34824-1125	YES	USCAR COMPATIBLE	12	B	GRAY	34897-8121	34897-9121	34825-0125	34825-9125	34826-0125	34826-9125
34824-1126	YES	USCAR COMPATIBLE	12	C	DARK GRAY	34897-8122	34897-9122	34825-0126	34825-9126	34826-0126	34826-9126
34824-0160	NO	USCAR COMPATIBLE	16	A	BLACK	34897-8160	34897-9160	34825-0160	34825-9160	34826-0160	34826-9160
34824-0161	NO	USCAR COMPATIBLE	16	B	GRAY	34897-8161	34897-9161	34825-0161	34825-9161	34826-0161	34826-9161
34824-0162	NO	USCAR COMPATIBLE	16	C	DARK GRAY	34897-8162	34897-9162	34825-0162	34825-9162	34826-0162	34826-9162
34824-1160	YES	USCAR COMPATIBLE	16	A	BLACK	34897-8160	34897-9160	34825-0160	34825-9160	34826-0160	34826-9160
34824-1161	YES	USCAR COMPATIBLE	16	B	GRAY	34897-8161	34897-9161	34825-0161	34825-9161	34826-0161	34826-9161
34824-1162	YES	USCAR COMPATIBLE	16	C	DARK GRAY	34897-8162	34897-9162	34825-0162	34825-9162	34826-0162	34826-9162
34824-0200	NO	USCAR COMPATIBLE	20	A	BLACK	34897-8200	34897-9200	34825-0200	34825-9200	34826-0200	34826-9200
34824-0201	NO	USCAR COMPATIBLE	20	B	GRAY	34897-8201	34897-9201	34825-0201	34825-9201	34826-0201	34826-9201
34824-0202	NO	USCAR COMPATIBLE	20	C	DARK GRAY	34897-8202	34897-9202	34825-0202	34825-9202	34826-0202	34826-9202
34824-1200	YES	USCAR COMPATIBLE	20	A	BLACK	34897-8200	34897-9200	34825-0200	34825-9200	34826-0200	34826-9200
34824-1201	YES	USCAR COMPATIBLE	20	B	GRAY	34897-8201	34897-9201	34825-0201	34825-9201	34826-0201	34826-9201
34824-1202	YES	USCAR COMPATIBLE	20	C	DARK GRAY	34897-8202	34897-9202	34825-0202	34825-9202	34826-0202	34826-9202
34824-0244	NO	USCAR COMPATIBLE	24	A	BLACK	34897-8240	34897-9240	34825-0240	34825-9240	34826-0240	34826-9240
34824-0245	NO	USCAR COMPATIBLE	24	B	GRAY	34897-8241	34897-9241	34825-0241	34825-9241	34826-0241	34826-9241
34824-0246	NO	USCAR COMPATIBLE	24	C	DARK GRAY	34897-8242	34897-9242	34825-0242	34825-9242	34826-0242	34826-9242
34824-1244	YES	USCAR COMPATIBLE	24	A	BLACK	34897-8240	34897-9240	34825-0240	34825-9240	34826-0240	34826-9240
34824-1245	YES	USCAR COMPATIBLE	24	B	GRAY	34897-8241	34897-9241	34825-0241	34825-9241	34826-0241	34826-9241
34824-1246	YES	USCAR COMPATIBLE	24	C	DARK GRAY	34897-8242	34897-9242	34825-0242	34825-9242	34826-0242	34826-9242

CTX50 UNSEALED RECEPTACLE TERMINALS

PART NUMBER		MATERIAL	WIRE GAGE (mm ²)	GRIP
D-WIND (LEFT PAYOFF)	B-WIND (RIGHT PAYOFF)			
560023-0448	560023-0450	COPPER ALLOY	0.35	LARGE
560023-0421	560023-0423	COPPER ALLOY	0.22	MEDIUM
560023-0422	560023-0424	COPPER ALLOY	0.13	SMALL

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	= 0	EC NO: 115941 DRWN: SMAHESHBABU CHKD: TMACHUGA APPR: TMACHUGA	2017/04/18	2017/04/24	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE					
	= 0				MM ONLY		1:1							
	= 0				DRWN BY		DATE							
	= 0				ANGULAR TOL ± °		TCUCU		2011/03/10		MINI50 DUAL ROW RECEPTACLE SALES DRAWING			
	= 0				4 PLACES ±		CHK'D BY		DATE					
	= 0				3 PLACES ±		TMACHUGA		2011/03/11					
	= 0				2 PLACES ± 0.1		APPR BY		DATE					
	= 0				1 PLACE ± 0.2		SMARCEAU		2012/05/21		PRODUCT CUSTOMER DRAWING			
	= 0				0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION					
	= 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		E				SERIES	MATERIAL NUMBER		CUSTOMER
	= 0	L	REV					34824	SEE TABLE		GENERAL MARKET			
	= 0							DOCUMENT NUMBER		DOC TYPE		DOC PART	SHEET NUMBER	
								SD-34824-002		PSD		001	4 OF 4	

RELEASE STATUS	P1	RELEASE DATE	24.04.2017	20:24:51
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