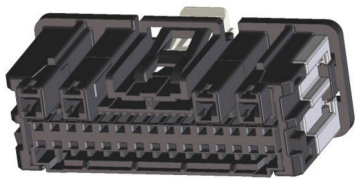




产品编号：[349590340](#)
Product Description：Mini50 Unsealed
Receptacle, 3 Rows, with CPA, 34 Circuits,
Polarization Option A, Black
系列号：34959
状态：Active
Product Category：Connector Housings



文件和资源

图纸

[图纸 349590340_sd.pdf](#)
[包装设计图 PK-31301-538-001.pdf](#)

3D 模型和设计文件

[3D模型 349590340_stp.zip](#)

规格

[应用规格 349590001-AS-CH-000.pdf](#)
[应用规格 AS-34959-001-001.pdf](#)
[产品规格 PS-34959-001-001.pdf](#)
[测试摘要 TS-34961-001-001.pdf](#)

产物环境合规

合规

GADSL/IMDS	Compliant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

[多部分产品合规性声明](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

[多部分行业合规性文件](#)

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	Connector Housings
系列	34959
说明	Mini50 Unsealed Receptacle, 3 Rows, with CPA, 34 Circuits, Polarization Option A, Black
应用	Automotive, Power, Wire-to-Board
产品系列	Mini50 Connection Systems
产品名称	Mini50
UPC	887191704418

物理

电路数（最多）	34
颜色-树脂	黑色
性别	Receptacle
符合灼热丝规范	否
插接极性	是
锁定插接部位	是
材料 - 树脂	Nylon
净重	5.700/g
行数	3
包装形式	Bag
面板安装式	否
间距 - 插配接口	2.00mm
间距 - 终端界面	2.00mm
极化	A
有极性的插配件	是

可堆叠的	否
运行温度范围	-40° to +105° C

可配插/可连接使用的产品

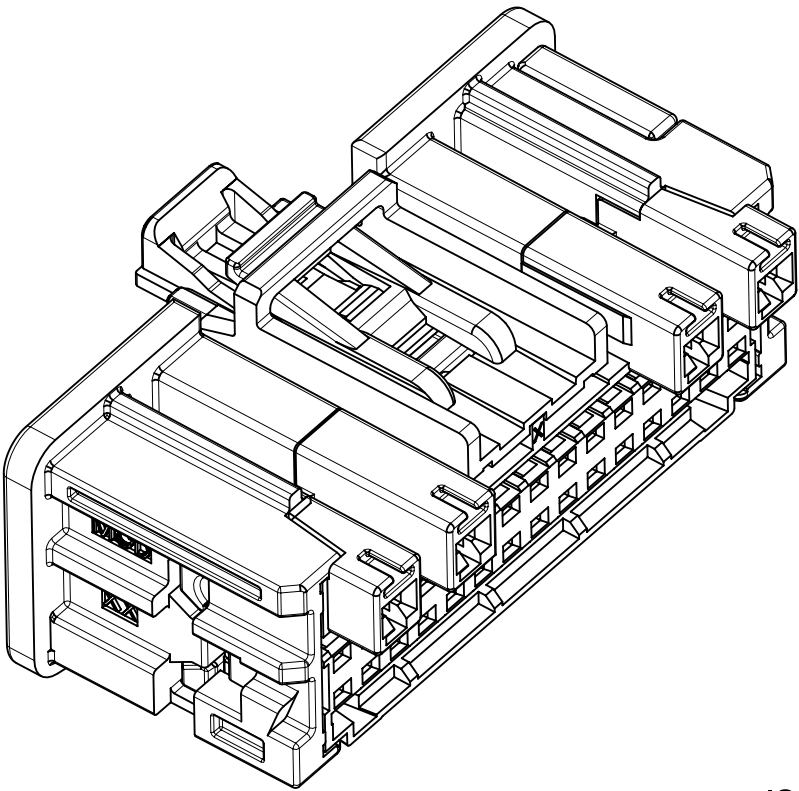
可配插部件

描述	产品编号
Mini50 Unsealed Vertical Hybrid Header, 3 Rows, 34 Circuits, Polarization Option A, Black, Tray	<u>0349580340</u>
Mini50 Unsealed Vertical Hybrid Header, 3 Rows, 34 Circuits, Polarization Option A, Black, Tube	<u>0349587340</u>
Mini50 Unsealed Vertical Hybrid Header, 3 Rows, 34 Circuits, Polarization Option A, Black, Tape and Reel	<u>0349588340</u>
Mini50 Unsealed Right-Angle Hybrid Header, UL 94 H-B, 34 Circuits, Polarization A, Black, Tube	<u>0349617343</u>
Mini50 Unsealed Right-Angle Hybrid Header, UL 94 H-B, 34 Circuits, Polarization A, Black, Tape and Reel	<u>0349618343</u>
Mini50 Unsealed Right-Angle Hybrid Header, UL 94 H-B, 34 Circuits, Polarization A, Black, Tray	<u>0349610343</u>

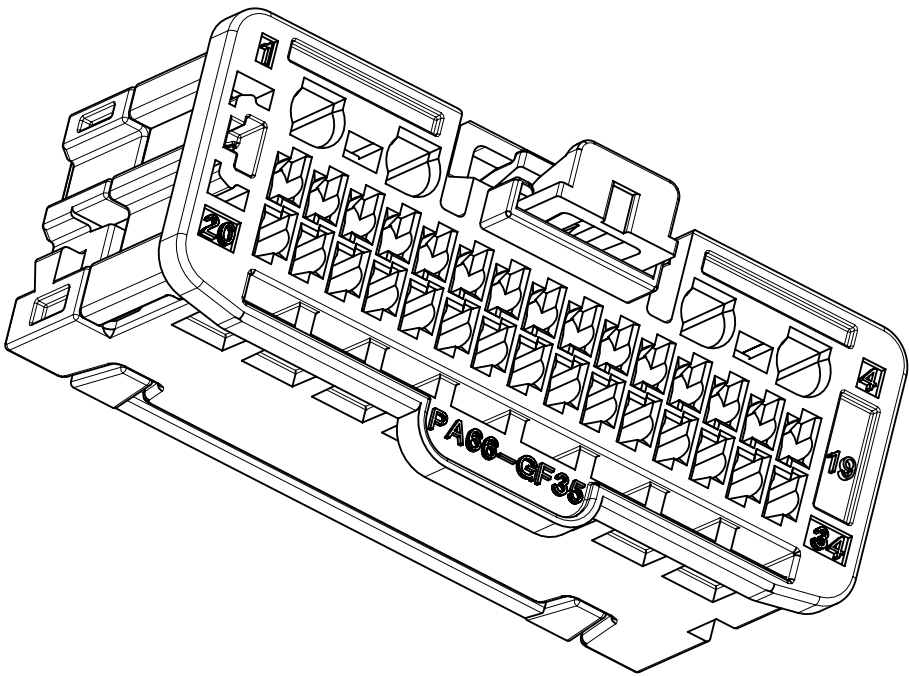
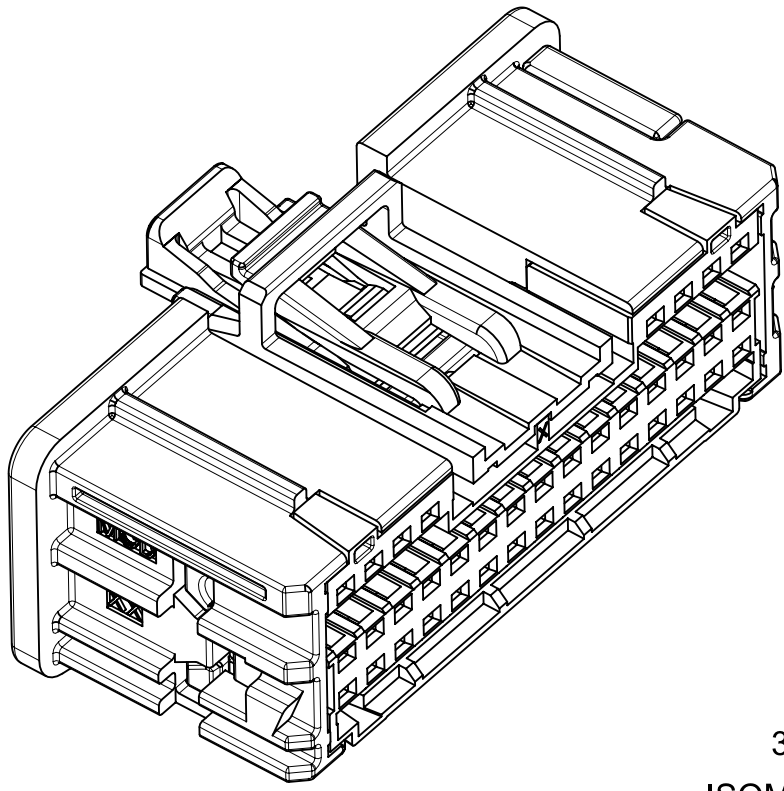
可连接使用部件

描述	产品编号
CTX50 Unsealed Receptacle Terminals	<u>560023</u>

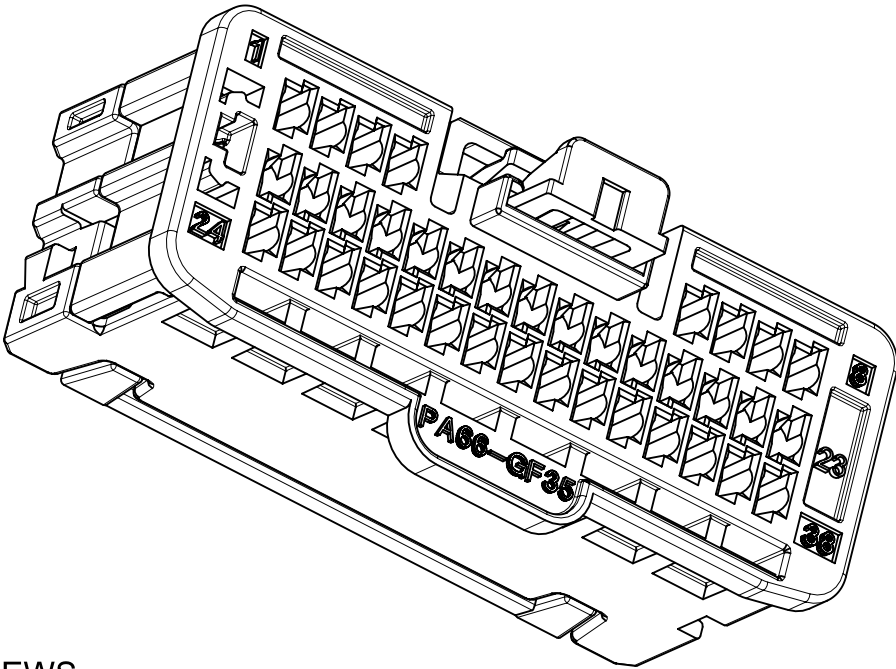
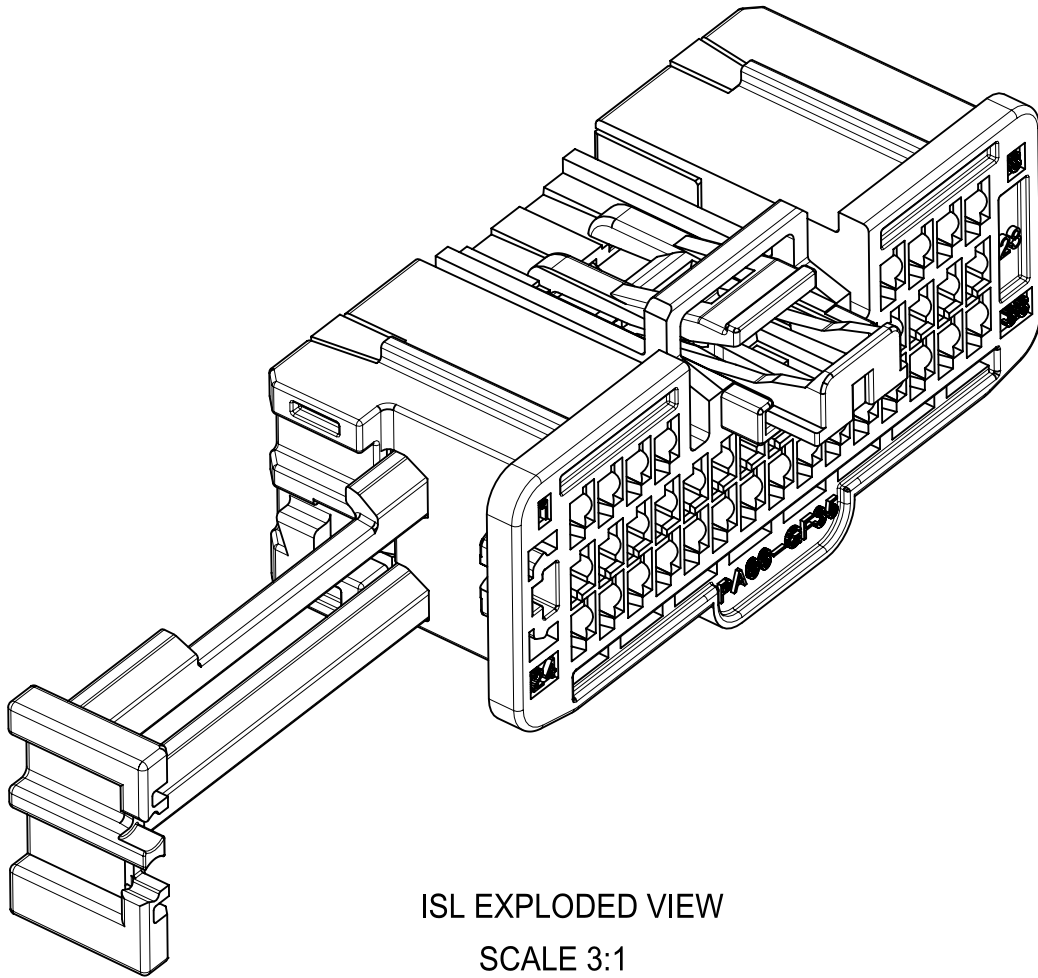
20	19	18	17
TABLE OF CONTENTS			
SHEET NO.	SHEET DESCRIPTION		
1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, RECEPTCLE ASSEMBLY LIST, ISOMETRIC VIEW,ISL EXPLODED VIEW, CTX50 TERMINAL LIST,TYCO MCON LIST		
2	34&38WAY POLARIZATION OPTION VIEW,		
3	POL A&B&C DIFFERENCE WITH UPDATED POL A&B&C VIEW, HB / V0 VERSION DIFFERENCE		
4	DETAIL DIMENSION VIEW		



34WAY
ISOMETRIC VIEWS
SCALE 3:1



38WAY
ISOMETRIC VIEWS
SCALE 3:1



ISL EXPLODED VIEW
SCALE 3:1

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34959-001

b. HB PRODUCT SPECIFICATION SEE: PS-34959-001

c. V0 PRODUCT SPECIFICATION SEE: 2133550000-PS
2. DESIGN - MATERIALS:
- a. PLASTIC HSG :

i. HB RESIN : PA66 GF35

ii. V0 RESIN: PA66 GF30

b. ISL:

i. HB RESIN : PA66 GF50

ii. V0 RESIN: PA66 GF30

c. CPA RESIN: PA66 GF50
3. DESIGN - GEOMETRY:
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.

b. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE ON SHEET 2

c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5X-2009

d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715

e. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.

f. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
4. DESIGN - MANUFACTURING:
- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
5. ISL IS SHIPPED IN SEATED POSITION AND MUST BE REMOVED PRIOR TO TERMINAL INSTALLATION
6. RECYCLE CODE:
- a. HB RESIN: PA66-GF35

b. V0 RESIN: PA66-GF30

MINI50 34&38 WAY RECEPTACLE ASSEMBLY LIST

MOLEX ASSEMBLY PART NO.'S	ASSEMBLY STATUS	FLAMMABILITY UL94	CIRCUIT	POL	COLOR	MATING COMPONENT		STATUS
						VERTICAL HEADER	RIGHT ANGLE HEADER	
34959-0340	WITH CPA	HB	34	A	BLACK	34958-0340	34961-0343	SALEABLE
34959-0341	WITH CPA	HB	34	B	GRAY	34958-0341	34961-0344	SALEABLE
34959-0342	WITH CPA	HB	34	C	DARK GRAY	34958-0342	34961-0345	SALEABLE
34959-0380	WITH CPA	HB	38	A	BLACK	34958-0380	34961-0380	OBSOLETED
34959-0381	WITH CPA	HB	38	B	GRAY	34958-0381	34961-0381	OBSOLETED
34959-0382	WITH CPA	HB	38	C	DARK GRAY	34958-0382	34961-0382	OBSOLETED
34959-0383	WITH CPA	HB	38	UPDATED A	BLACK	34958-0383	34961-0386	SALEABLE
34959-0384	WITH CPA	HB	38	UPDATED B	GRAY	34958-0384	34961-0387	SALEABLE
34959-0385	WITH CPA	HB	38	UPDATED C	DARK GRAY	34958-0385	34961-0388	SALEABLE
34959-0347	\	HB	34	A	BLACK	34958-0340	34961-0343	SALEABLE
34959-0348	\	HB	34	B	GRAY	34958-0341	34961-0344	SALEABLE
34959-0349	\	HB	34	C	DARK GRAY	34958-0342	34961-0345	SALEABLE
34959-0387	\	HB	38	A	BLACK	34958-0380	34961-0380	OBSOLETED
34959-0388	\	HB	38	B	GRAY	34958-0381	34961-0381	OBSOLETED
34959-0389	\	HB	38	C	DARK GRAY	34958-0382	34961-0382	OBSOLETED
34959-0390	\	HB	38	UPDATED A	BLACK	34958-0383	34961-0386	SALEABLE
34959-0391	\	HB	38	UPDATED B	GRAY	34958-0384	34961-0387	SALEABLE
34959-0392	\	HB	38	UPDATED C	DARK GRAY	34958-0385	34961-0388	SALEABLE
2133560340	WITH CPA	V0	34	A	BLACK	2133820340	2133550340	SALEABLE
2133560341	WITH CPA	V0	34	B	GRAY	2133820341	2133550341	SALEABLE
2133560342	WITH CPA	V0	34	C	DARK GRAY	2133820342	2133550342	SALEABLE
2133560343	\	V0	34	A	BLACK	2133820340	2133550340	SALEABLE
2133560344	\	V0	34	B	GRAY	2133820341	2133550341	SALEABLE
2133560345	\	V0	34	C	DARK GRAY	2133820342	2133550342	SALEABLE
2133560380	WITH CPA	V0	38	UPDATED A	BLACK	2133820380	2133550380	SALEABLE
2133560381	WITH CPA	V0	38	UPDATED B	GRAY	2133820381	2133550381	SALEABLE
2133560382	WITH CPA	V0	38	UPDATED C	DARK GRAY	2133820382	2133550382	SALEABLE
2133560383	\	V0	38	UPDATED A	BLACK	2133820380	2133550380	SALEABLE
2133560384	\	V0	38	UPDATED B	GRAY	2133820381	2133550381	SALEABLE
2133560385	\	V0	38	UPDATED C	DARK GRAY	2133820382	2133550382	SALEABLE

CTX50 UNSEALED RECEPTACLE TERMINALS

PART NUMBER		MATERIAL	WIRE GAGE (mm²)	GRIP
D-WIND (LEFT PAYOFF)	B-WIND (RIGHT PAYOFF)			
5600230448	5600230450	COPPER ALLOY	0.35	LARGE
5600230421	5600230423	COPPER ALLOY	0.22	MEDIUM
5600230444	5600230445	COPPER ALLOY	0.13	SMALL

TYCO MCON UNSEALED RECEPTACLE TERMINALS

PART NUMBER	MATERIAL	WIRE GAGE (mm²)	GRIP
7-1452659	COPPER ALLOY	1.00 mm² or 18 AWG	LARGE
7-1452656	COPPER ALLOY	0.50 - 0.75 mm² or 20 AWG	MEDIUM
7-1452653	COPPER ALLOY	0.35 mm² or 22 AWG	SMALL

E1	1. UPDATED MINI50 34&38WAY RECEPTACLE ASSEMBLY LIST RIGHT ANGLE HEADER P/N IN SHEET 1.	CO-000001122
E	1. UPDATED MINI50 34&38WAY RECEPTACLE ASSEMBLY LIST IN SHEET 1. 2. ADDED V0 PRODUCT SPECIFICATION, MATERIALS INFORMATION AND RECYCLE CODE IN NOTE. 3. ADDED SHEET 2 TO SHOW 34&38WAY POLARIZATION OPTION. 4. ADDED SHEET 3 TO SHOW POLA & B & C DIFFERENCE WITH UPDATED POL A & B & C VIEW, AND HB / V0 VERSION DIFFERENCE. 5. UPDATED CTX50 SMALL GRIP TERMINAL INFORMATION IN SHEET 1.	632993
D1	1. UPDATED POLARIZATION FEATURE FOR 34959-038X (X=3,4,5) AND 34959-039X(X=0,1,2) 2. ADDED CIRCUIT NUMBER FOR MIDDLE ROW ON SHEET 3. 3. ADDED DIM 1A.	607356
D	ADDED NEW VIEW OF UPDATED POL A & B & C.SEE SHEET 1. ADDED NEW P/N: 34959-0383 \ 34959-0384 \ 34959-0385 34959-0390\34959-0391\34959-0392 IN THE BOM ON SHEET 2. ADDED PRODUCT STATUS IN THE BOM ON SHEET 2. POL A&B&C DIFFERENCE WITH UPDATED POL A&B&C: ONLY REMOVED THE RIB FEATURE BESIDES LOCK LATCH ,SEE SHEET 4.	10877382
REV	REV DESCRIPTION	ECN SAP NO.

DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE													
		OVER	0	1	3	6	10	15	22	30	40	53	70	90	120
		UP TO	1	3	6	10	15	22	30	40	53	70	90	120	160
PRECISION	A		±0.10	±0.12	±0.14	±0.16	±0.20	±0.22	±0.24	±0.26	±0.28	±0.31	±0.35	±0.40	±0.50
ENGINEERING	B		±0.05	±0.06	±0.07	±0.08	±0.10	±0.12	±0.14	±0.16	±0.18	±0.21	±0.25	±0.30	±0.40
A: FOR NON-MOLD RELATED DIMENSIONS (ACROSS PARTING LINE)															
B: FOR MOLD RELATED DIMENSIONS (WITHIN MOLD COMPONENTS)															

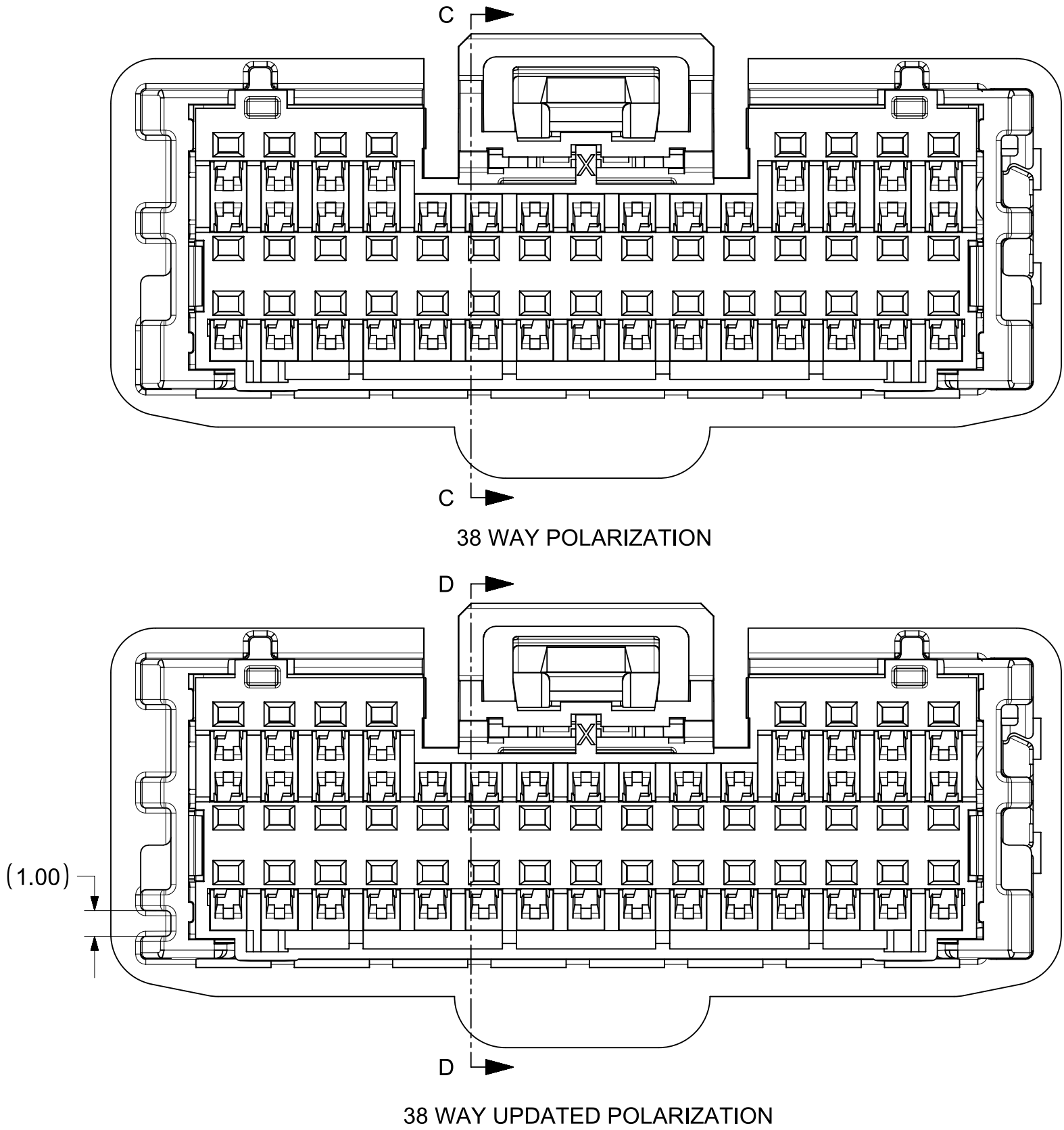
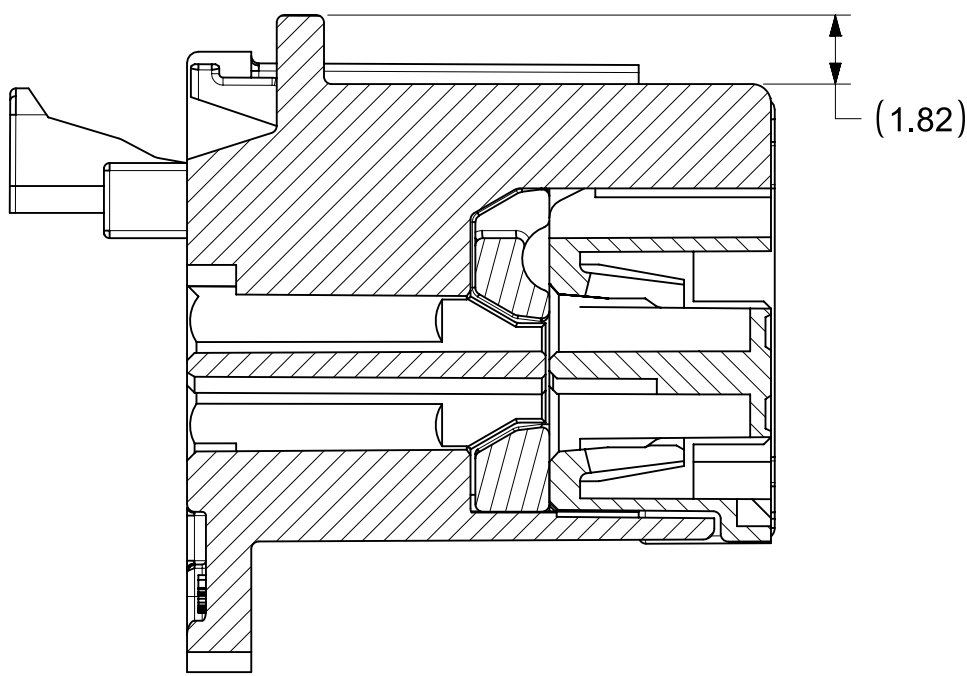
INSPECTION BALLOON NUMBER LOG															
PER DRAWING REVISION: E1															
LAST BALLOON NUMBER USED: 4															
ADDED BALLOON NUMBERS:															
REMOVED BALLOON NUMBERS:															

FUNCTIONAL SYMBOLS <div><div>F</div><div>A</div></div> = 0 <div><div>F</div><div>C</div></div> = 0 <div><div>F</div><div>P</div></div> = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										CURRENT REV DESC: OBSOLETE PART NUMBER										<div>molex</div> <div>34/38 WAY MINI50 FEMALE RECEPTACLE ASSEMBLY SALES DRAWING</div>									
	DIMENSION UNITS		mm		SCALE		5:1		GENERAL TOLERANCES (UNLESS SPECIFIED)																					
	ANGULAR TOL ± 1.0°																													
	4 PLACES		±		PHASE: Design Production CO NO: CO-000001122 DRWN: Gang Li 2022-09-06 CHK'D: Shanks Wu 2022-10-07 APPR: Colin Zhang 2022-10-10										PRODUCT SALES DRAWING															
	3 PLACES		±																											
	2 PLACES		±																											
	1 PLACE		±		INITIAL REVISION:																									
	0 PLACES		±		DRWN: RFC_PLMIMP APPR:																									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING				SERIES				MATERIAL NUMBER				CUSTOMER				SHEET NUMBER					
									D-SIZE				34959								GENERAL MARKET				1 OF 4					

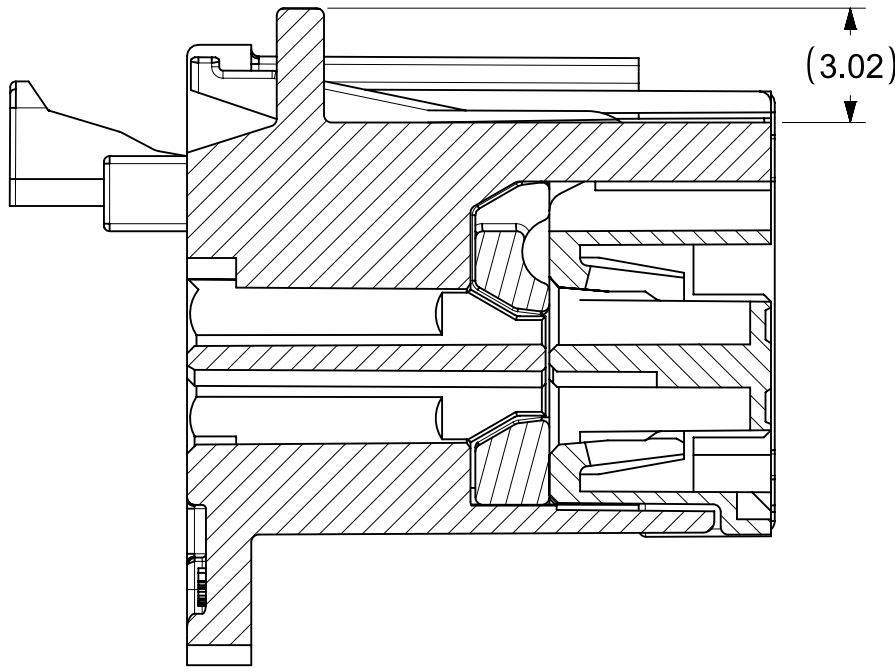
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SHEET NO.	SHEET DESCRIPTION
3	POL A&B&C DIFFERENCE WITH UPDATED POL A&B&C VIEW; HB / V0 VERSION DIFFERENCE

POL A&B&C DIFFERENCE WITH UPDATED POL A&B&C VIEW:

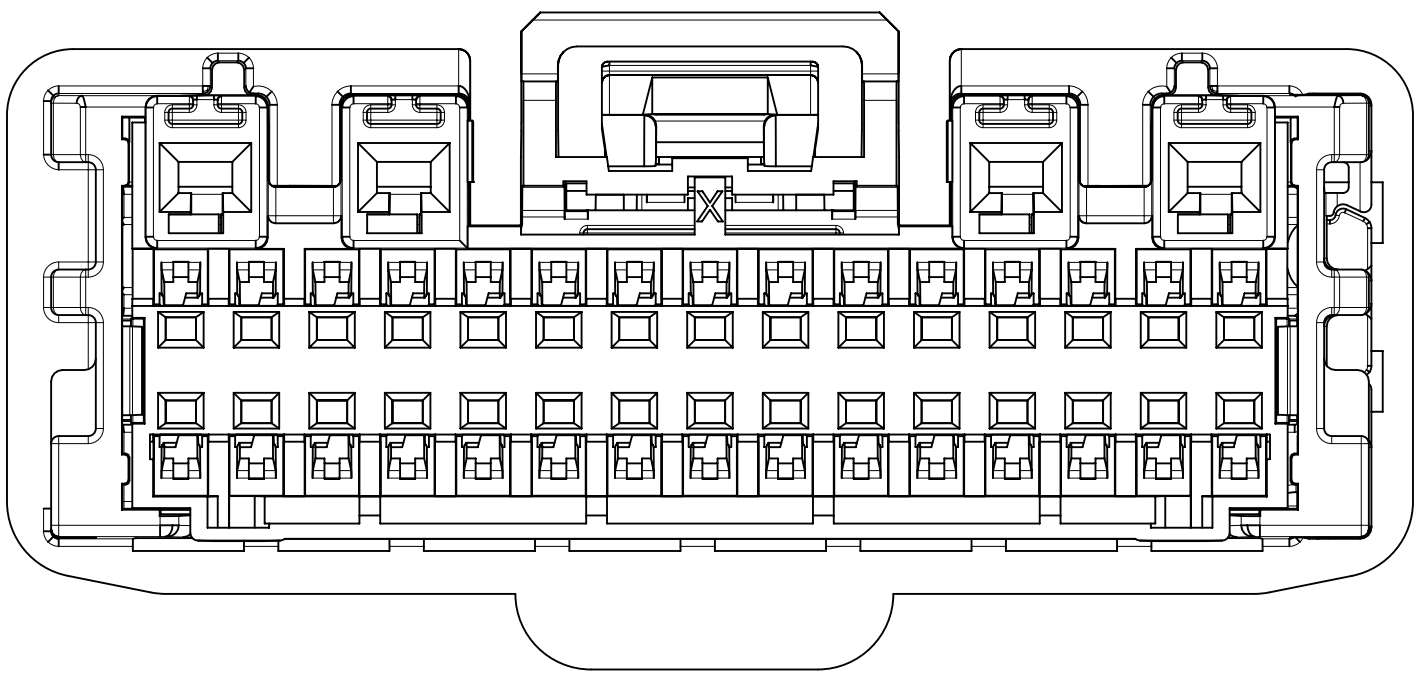


SECTION C-C

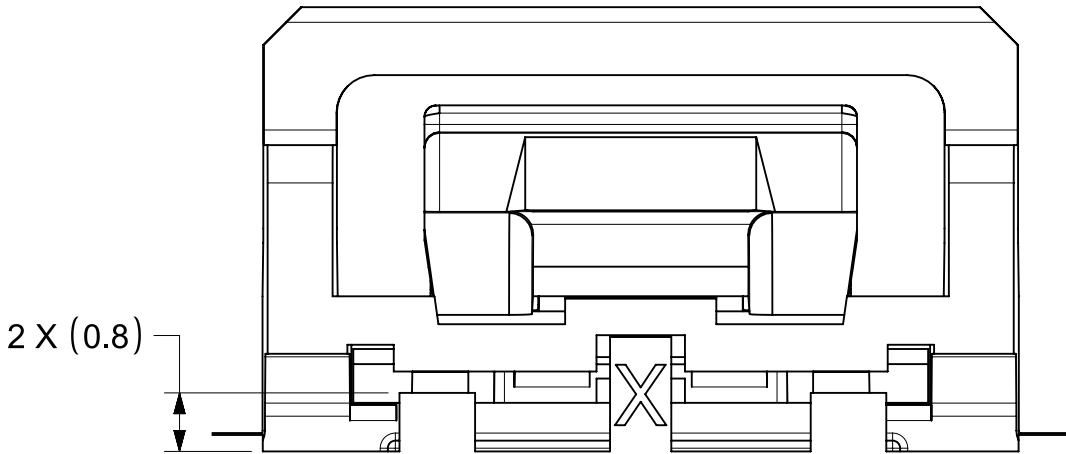


SECTION D-D

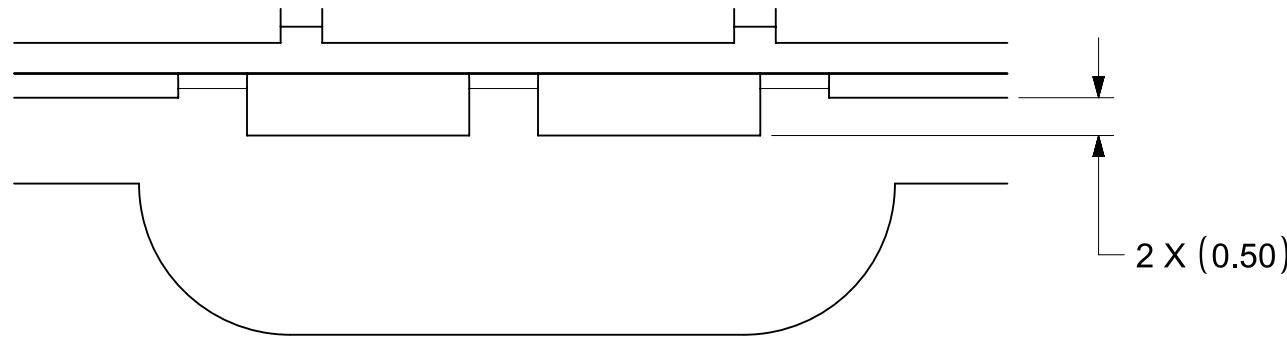
HB / V0 VERSION DIFFERENCE



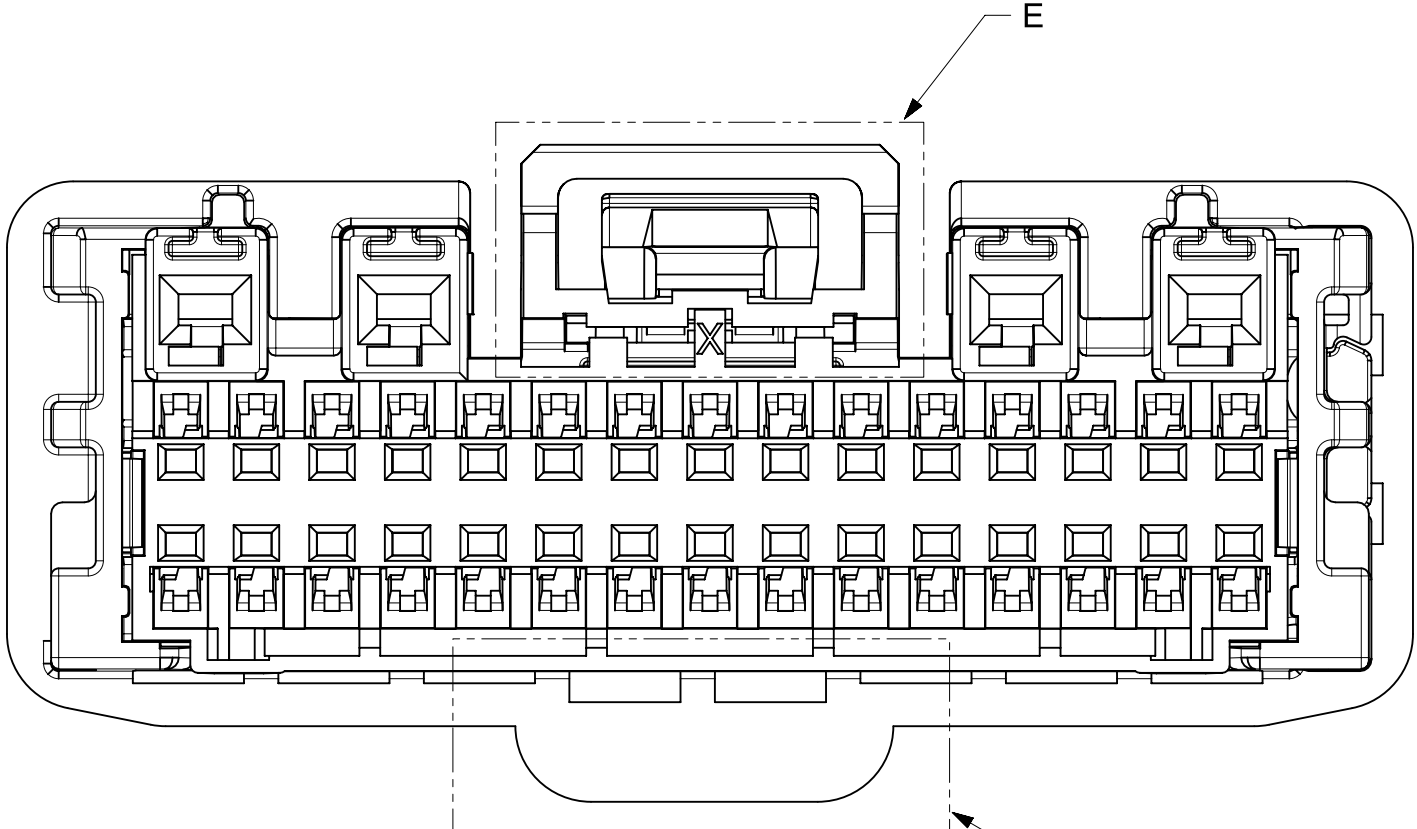
HB P/Ns: 34959XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN



DETAIL E
SCALE 10:1



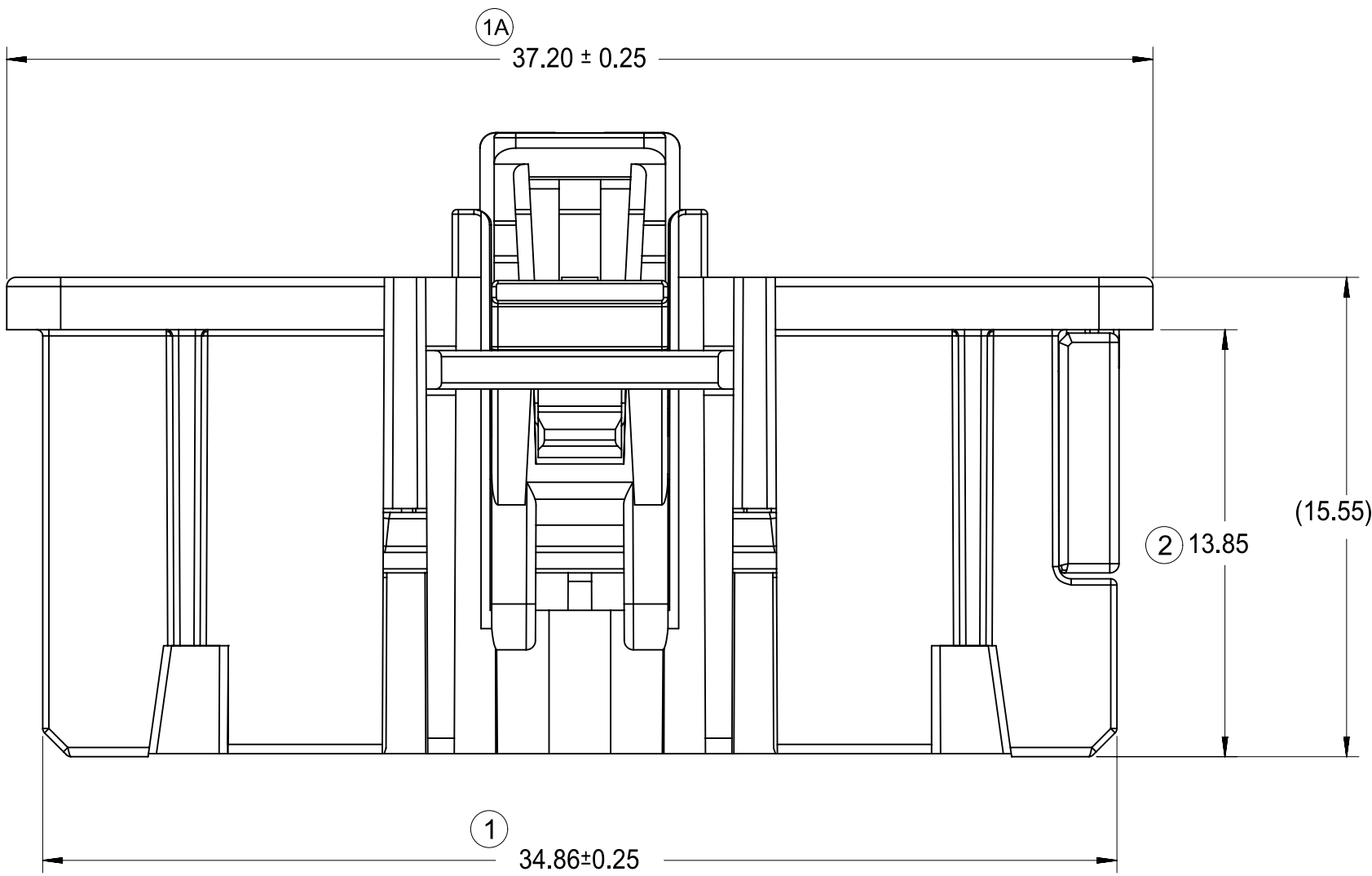
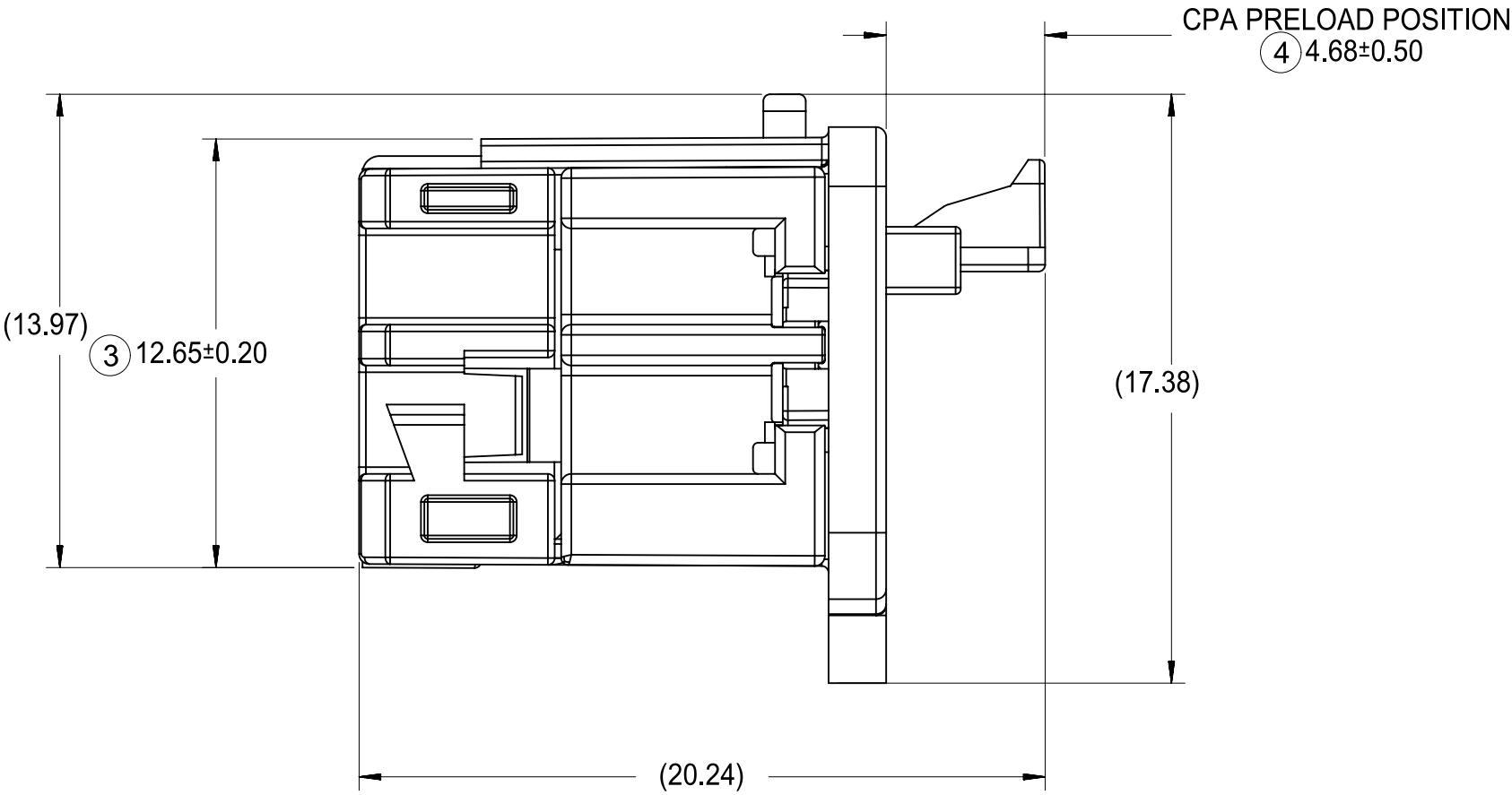
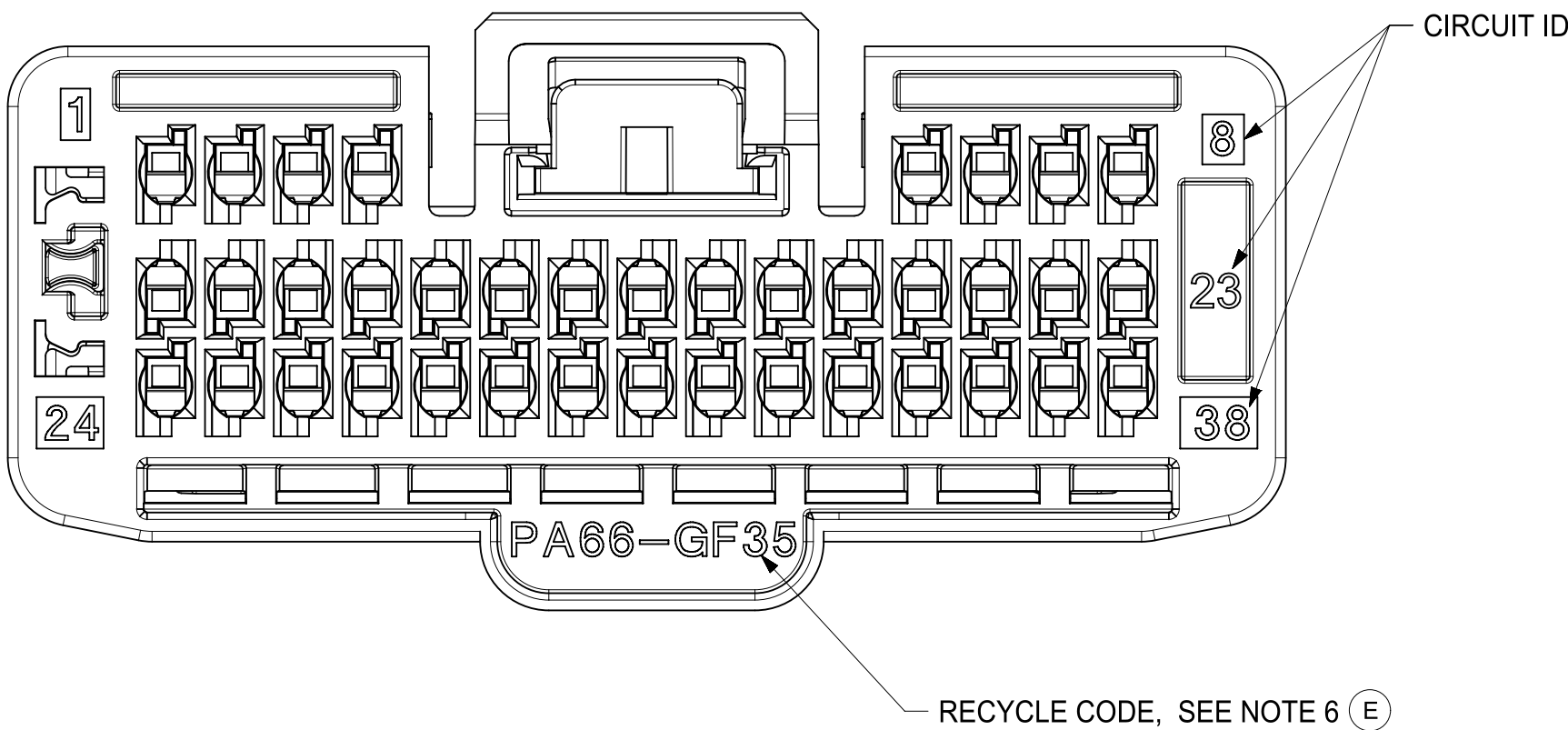
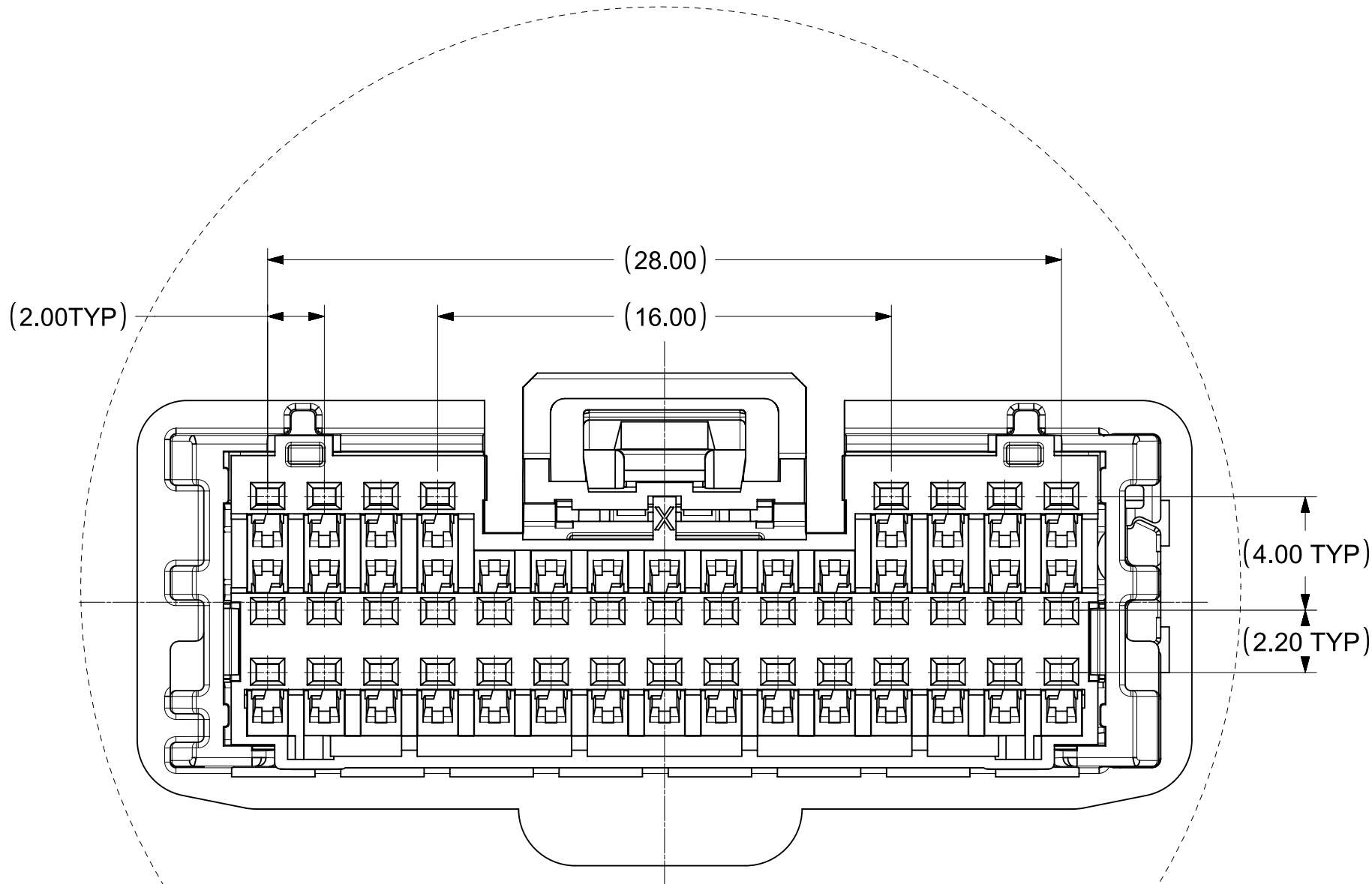
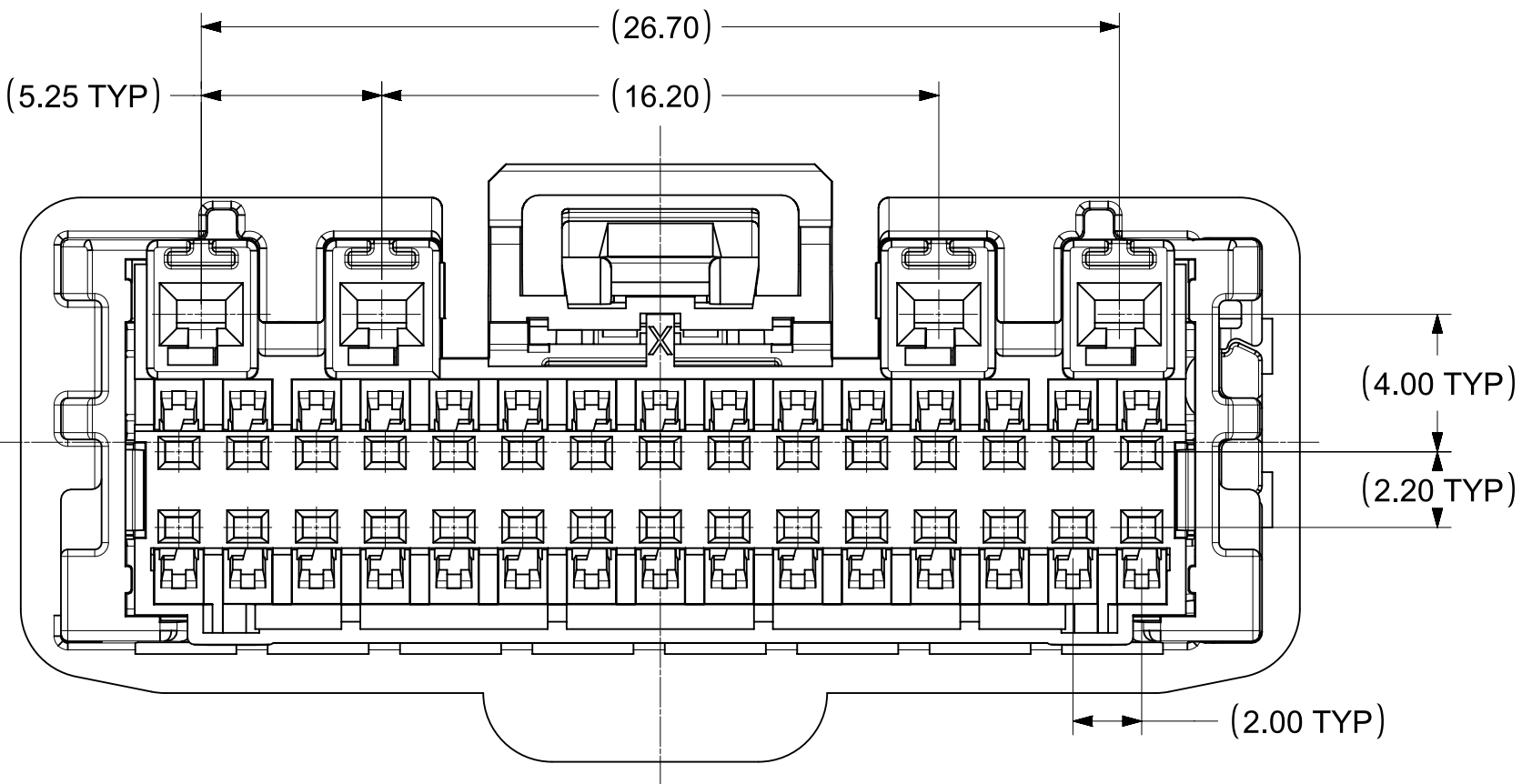
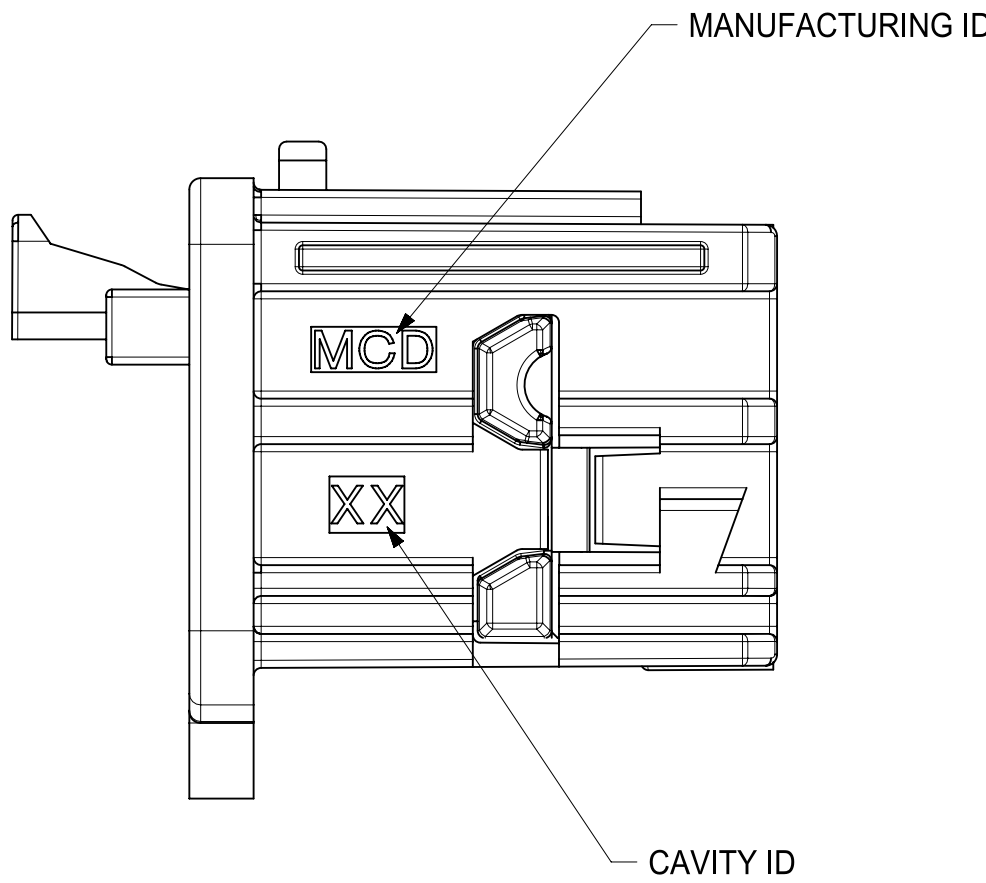
DETAIL F
SCALE 10:1



V0 P/Ns: 213356XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
FUNCTIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER				<div>molex</div> <div>34/38 WAY MINI50 FEMALE RECEPTACLE ASSEMBLY SALES DRAWING</div>							
<div><div>A</div>= 0</div>	mm		5:1		<div>PHASE: Design Production</div> <div>CO NO: CO-000001122</div> <div>DRWN: Gang Li 2022-09-06</div> <div>CHK'D: Shanks Wu 2022-10-07</div> <div>APPR: Colin Zhang 2022-10-10</div> <div>INITIAL REVISION:</div> <div>DRWN: RFC_PLMIMP</div> <div>APPR:</div>												
<div><div>E</div>= 0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)																
<div><div>P</div>= 0</div>	ANGULAR TOL ± 1.0°																
DIVISIONAL SYMBOLS	4 PLACES		±														
	3 PLACES		±														
	2 PLACES		±														
	1 PLACE		±														
0 PLACES		±		PRODUCT SALES DRAWING				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION			
								SD-34959-030		PSD		001		E1			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
						D-SIZE		34959				GENERAL MARKET		3 OF 4			

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	SHEET NO.	SHEET DESCRIPTION
	4	DETAIL DIMENSION VIEW



Ø40.92 PASS-THRU
WITH ± 1mm PER SIDE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER				<div>molex</div> <div>34/38 WAY MINI50 FEMALE RECEPTACLE ASSEMBLY SALES DRAWING</div>				
	mm		5:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
DIVISIONAL SYMBOLS	ANGULAR TOL ± 1.0°		PHASE: Design Production										
	4 PLACES ±		CO NO: CO-000001122										
	3 PLACES ±		DRWN: Gang Li				2022-09-06						
	2 PLACES ±		CHK'D: Shanks Wu				2022-10-07						
	1 PLACE ±		APPR: Colin Zhang				2022-10-10						
	0 PLACES ±		INITIAL REVISION:										
			DRWN: RFC_PLMIMP										
			APPR:										
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				D-SIZE		34959				GENERAL MARKET		4 OF 4	