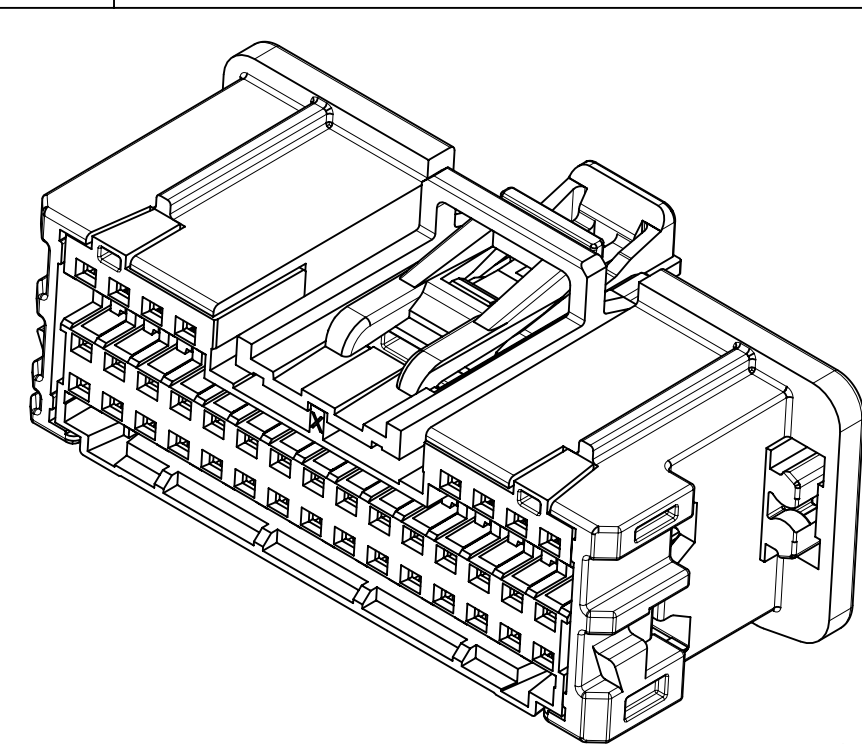
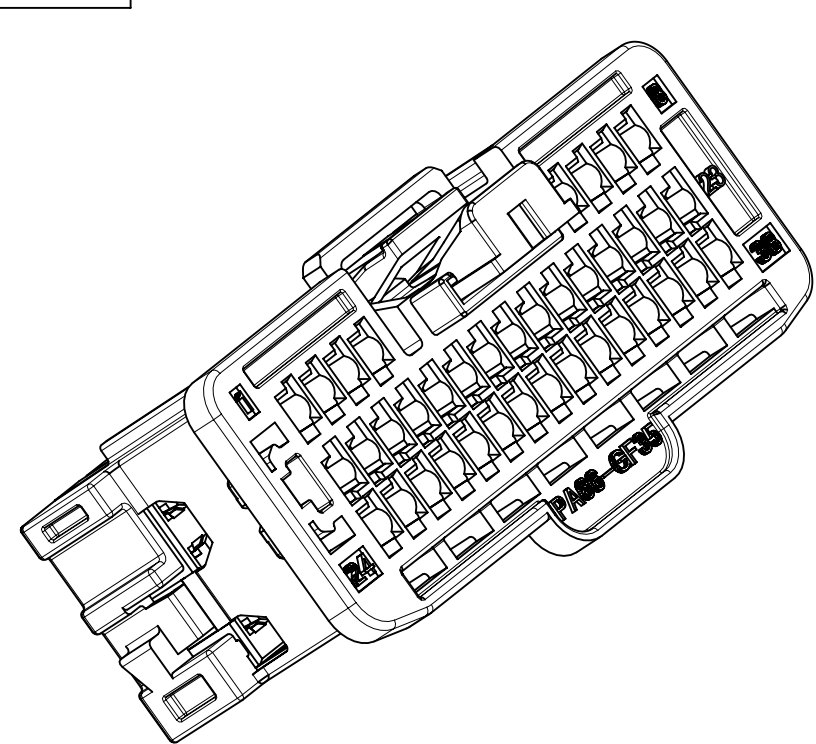


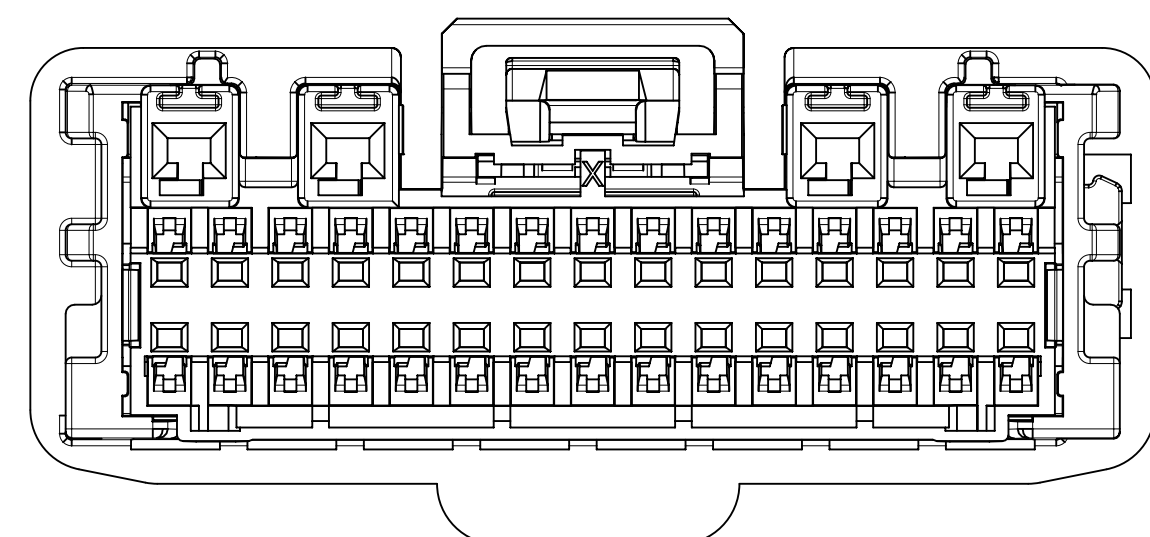
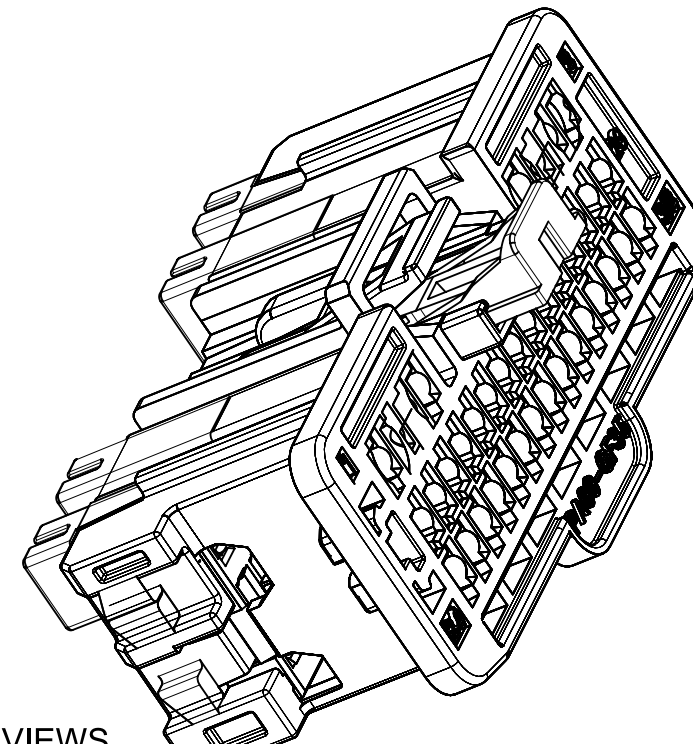
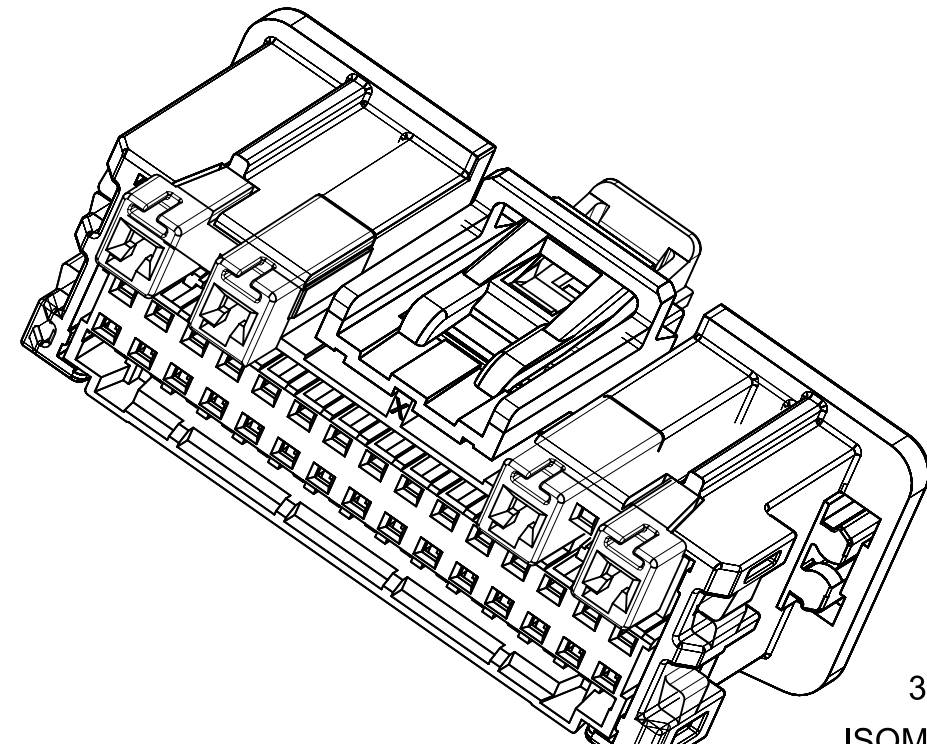
TABLE OF CONTENTS	
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1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, RECEPCTCLE ASSEMBLY LIST, ISOMETRIC VIEW POLARIZATION OPTION VIEW, CTX50 TERMINAL LIST, TYCO MCON UNSEALED RECEPCTACLE TERMINALS
2	DETAIL DIMENSION VIEW



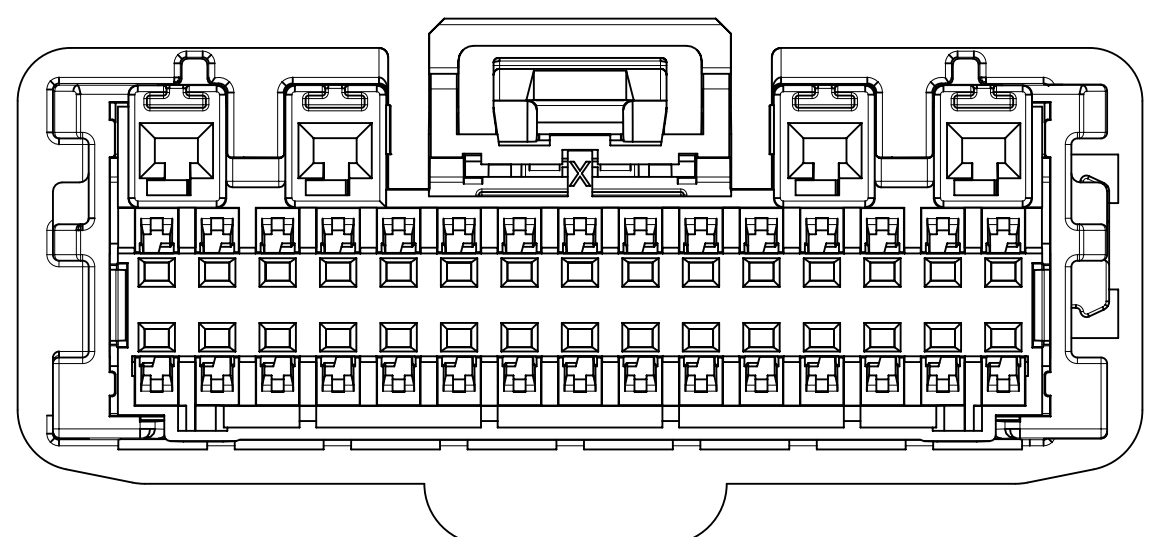
38 WAY ISOMETRIC VIEWS SCALE 3:1



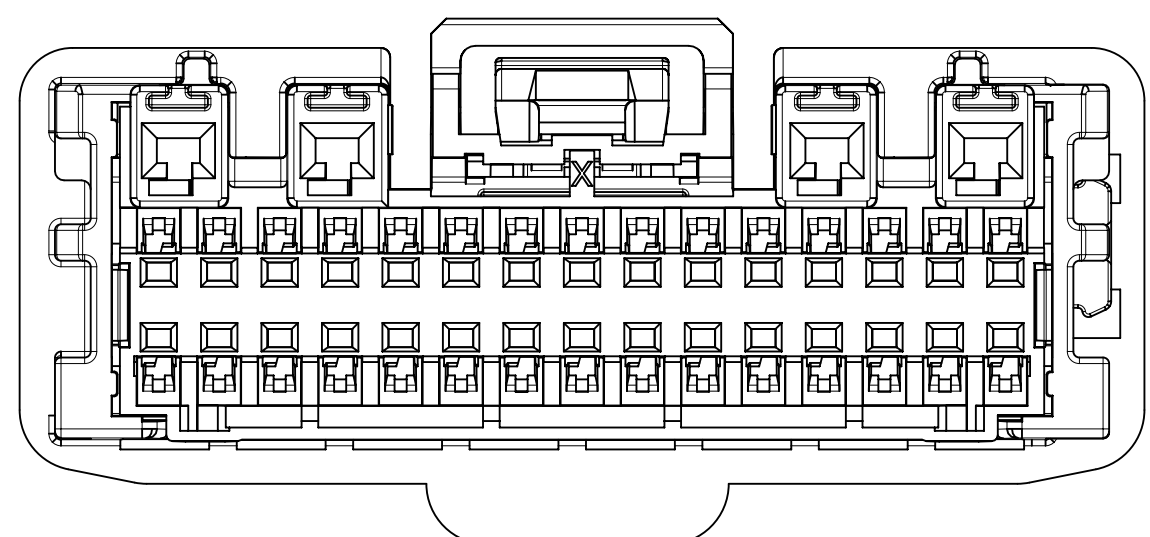
34 WAY ISOMETRIC VIEWS SCALE 3:1



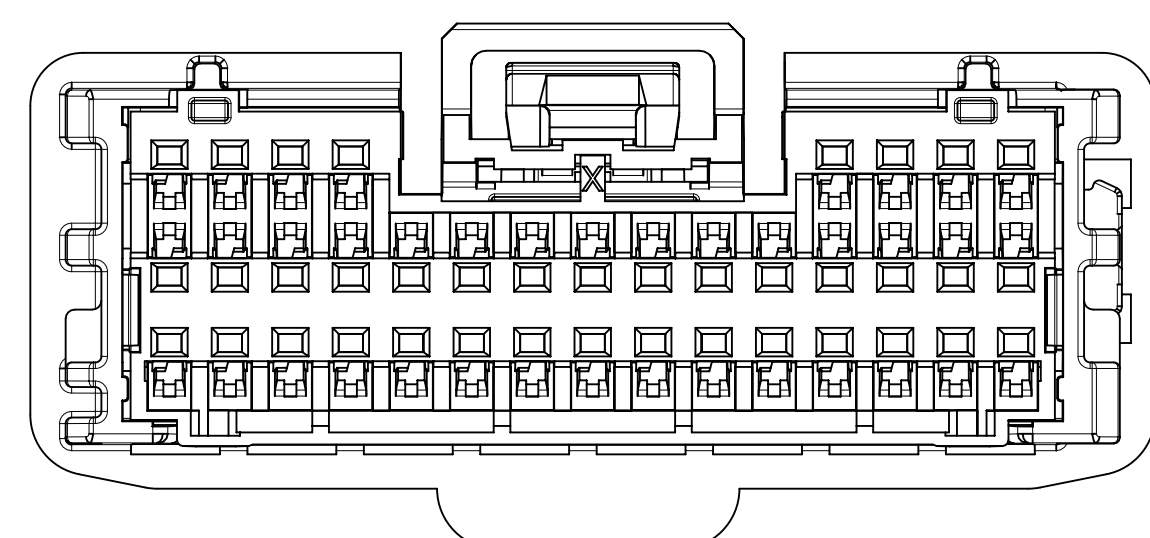
34 WAY POLARIZATION OPTION 'A'



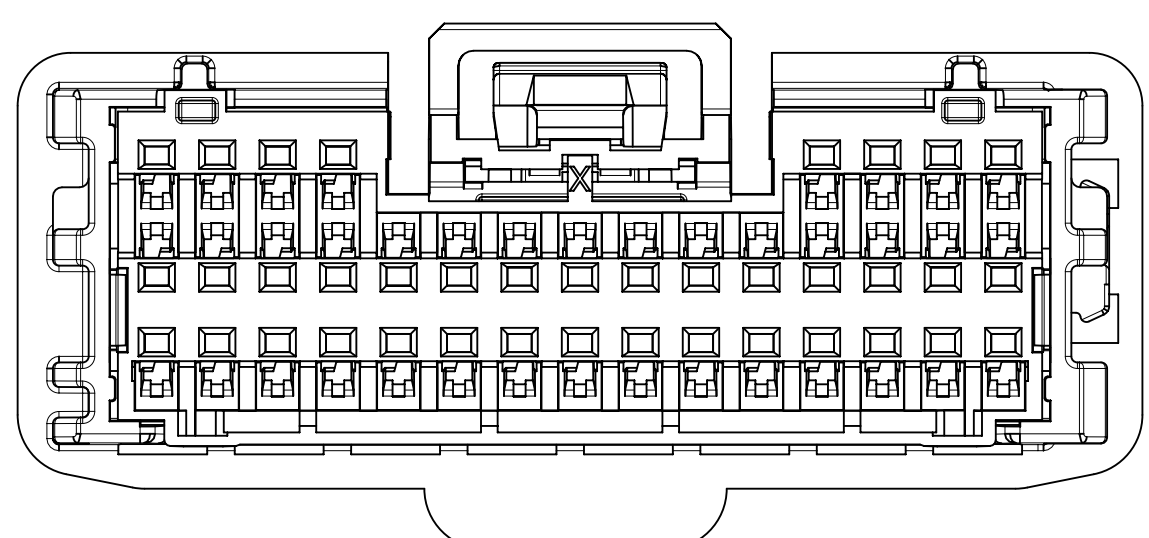
34 WAY POLARIZATION OPTION 'B'



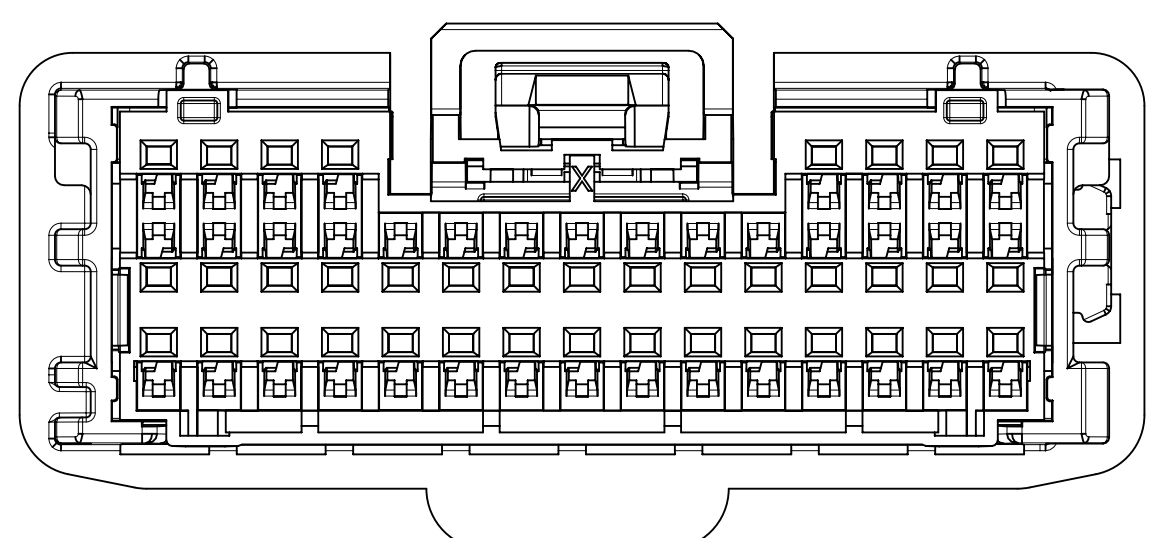
34 WAY POLARIZATION OPTION 'C'



38 WAY POLARIZATION OPTION 'UPDATED A'



38 WAY POLARIZATION OPTION 'UPDATED B'



38 WAY POLARIZATION OPTION 'UPDATED C'

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: 349590002-RAS
- b. PRODUCT SPECIFICATION SEE: PS-34959-001
- c. PACKAGING SPECIFICATION SEE: PK-31301-538
- d. ADOPTABLE ISL PART NUMBER LIST IN DRAWING: 349590002
- e. ISL PACKAGING DRAWING SEE: 348945000

2. DESIGN - MATERIALS:

- a. INNER HSG : PA66 GF35
- b. OUTER HSG: PA66 GF35
- d. CPA: 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. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5X-2009
- c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- e. 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)

MINI50 34&38 WAY RECEPCTACLE ASSEMBLY LIST

MOLEX ASSEMBLY PART NO.'S (WITHOUT ISL)	ASSEMBLY STATUS	FLAMMABILITY UL94	CIRCUIT	POL	COLOR	MATING COMPONENT		SEPARATED ISL PN	STATUS
						VERTICAL HEADER	RIGHT ANGLE HEADER		
34959-1380	WITH CPA	HB	38	UPDATED A	BLACK	34958-0383	34961-0386 A3	34959-6301	SALEABLE
34959-1381	WITH CPA	HB	38	UPDATED B	GRAY	34958-0384	34961-0387 A3		SALEABLE
34959-1382	WITH CPA	HB	38	UPDATED C	DARK GRAY	34958-0385	34961-0388 A3		SALEABLE
34959-1383	\	HB	38	UPDATED A	BLACK	34958-0383	34961-0386 A3		SALEABLE
34959-1384	\	HB	38	UPDATED B	GRAY	34958-0384	34961-0387 A3		SALEABLE
34959-1385	\	HB	38	UPDATED C	DARK GRAY	34958-0385	34961-0388 A3		SALEABLE
34959-1340	WITH CPA	HB	34	A	BLACK	34958-0340	34961-0343 A3		SALEABLE
34959-1341	WITH CPA	HB	34	B	GRAY	34958-0341	34961-0344 A3		SALEABLE
34959-1342	WITH CPA	HB	34	C	DARK GRAY	34958-0342	34961-0345 A3		SALEABLE
34959-1343	\	HB	34	A	BLACK	34958-0340	34961-0343 A3		SALEABLE
34959-1344	\	HB	34	B	GRAY	34958-0341	34961-0344 A3		SALEABLE
34959-1345	\	HB	34	C	DARK GRAY	34958-0342	34961-0345 A3		SALEABLE

CTX50 UNSEALED RECEPCTACLE TERMINALS

PART NUMBER		MATERIAL	WIRE GAGE (mm ²)	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 RECEPCTACLE TERMINALS

PART NUMBER	MATERIAL	WIRE GAGE (mm ²)	GRIP
7-1452659	COPPER ALLOY	1.00 mm ² or 18 AWG	LARGE
7-1452656	COPPER ALLOY	0.50 - 0.75 mm ² or 20 AWG	MEDIUM
7-1452653	COPPER ALLOY	0.35 mm ² or 22 AWG	SMALL

REV	REV DESCRIPTION	ECN SAP NO.
A3	1. UPDATED MINI50 34&38WAY RECEPCTACLE ASSEMBLY LIST RIGHT ANGLE HEADER P/N IN SHEET 1.	CO-000001122
A2	CREATED NEW REVISION TO UPLOAD DRAWING IN MDS SYSTEM	CO-000001122
A1	1.SHEET 1:ADDED SEPARATED ISL PN IN RECEPCTACLE ASSEMBLY LIST FORM. 2.SHEET 1:ADDED ISL PACKING DRAWING NUMBER IN GENERAL NOTES.	CO-000001122
A	INITIAL RELEASE	639270

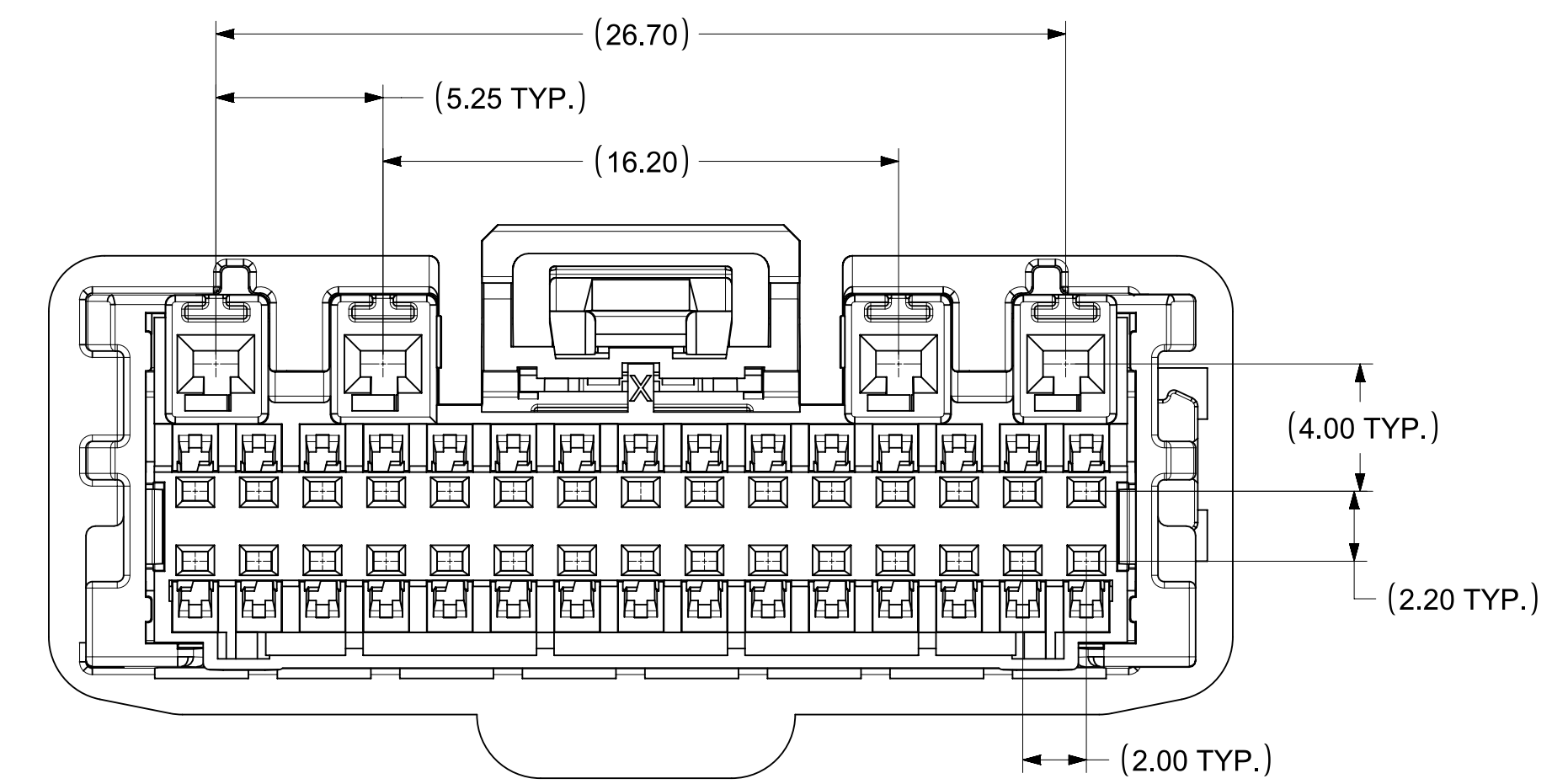
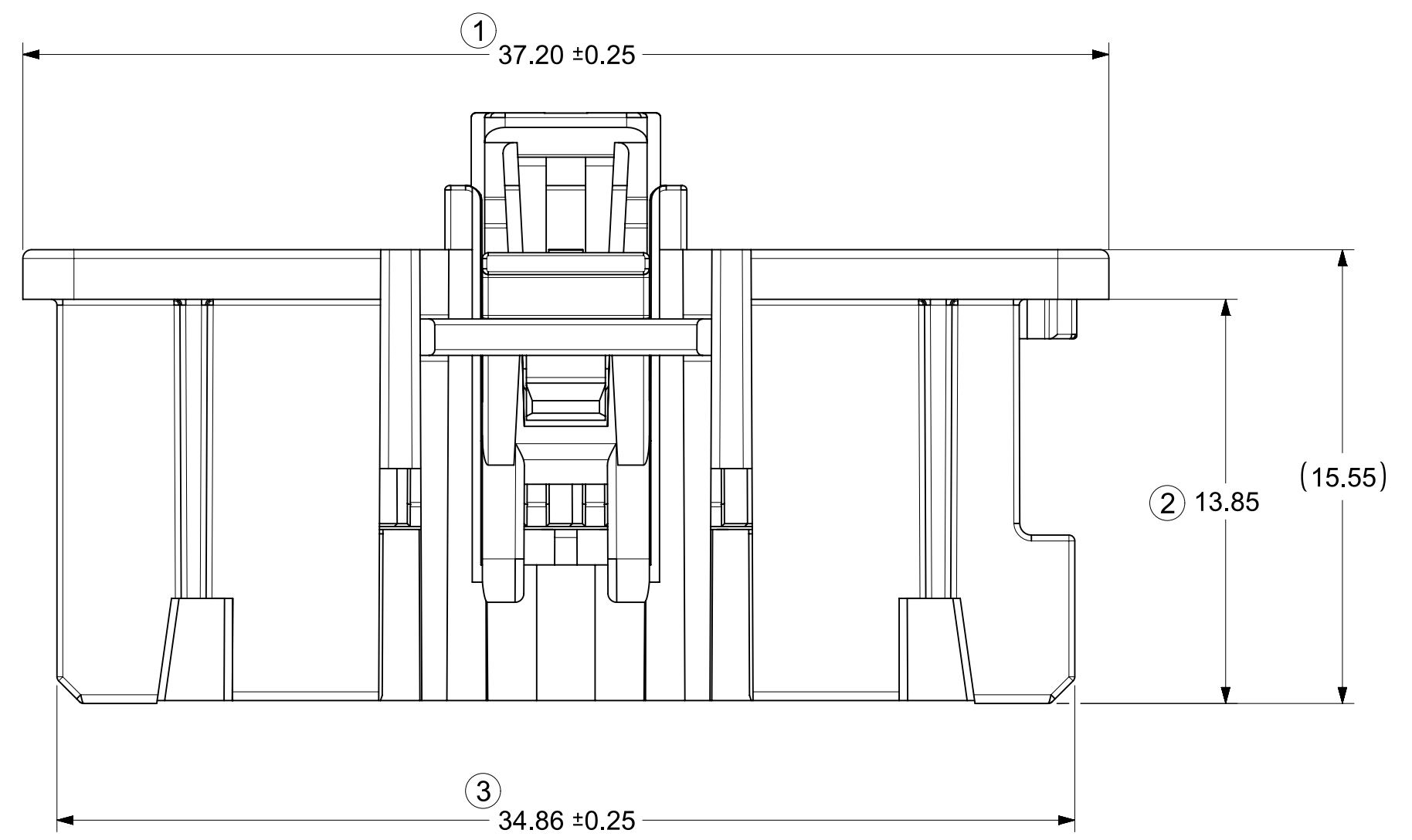
DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE													
		OVER UP TO	0	1	3	6	10	15	22	30	40	53	70	90	120
PRECISION ENGINEERING	A	±0.10	±0.12	±0.14	±0.16	±0.20	±0.22	±0.24	±0.26	±0.28	±0.31	±0.35	±0.40	±0.50	
	B	±0.05	±0.06	±0.07	±0.08	±0.10	±0.12	±0.14	±0.16	±0.18	±0.21	±0.25	±0.30	±0.40	

A: FOR NON-MOLD RELATED DIMENSIONS (ACROSS PARTING LINE)
B: FOR MOLD RELATED DIMENSIONS (WITHIN MOLD COMPONENTS)

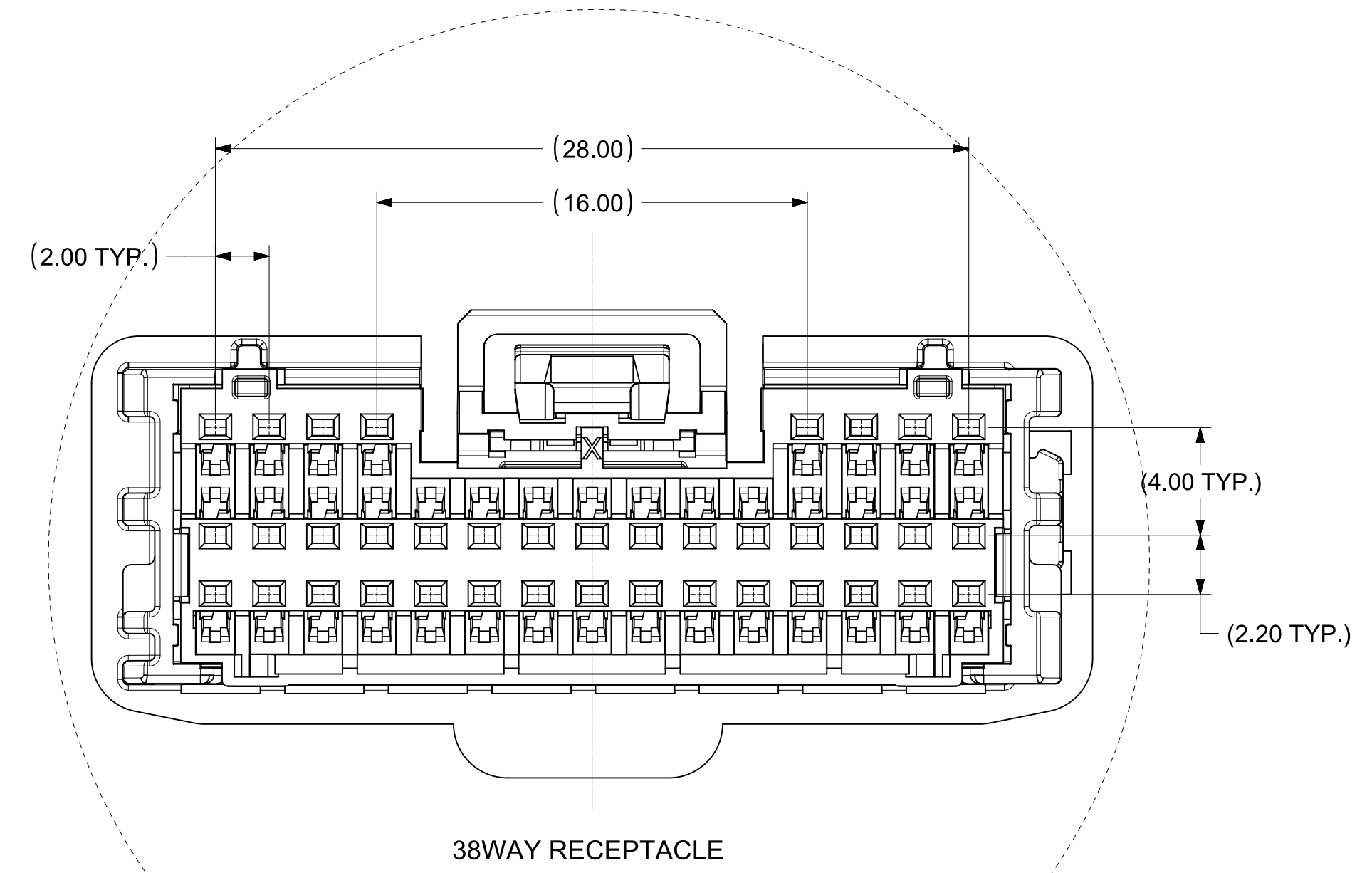
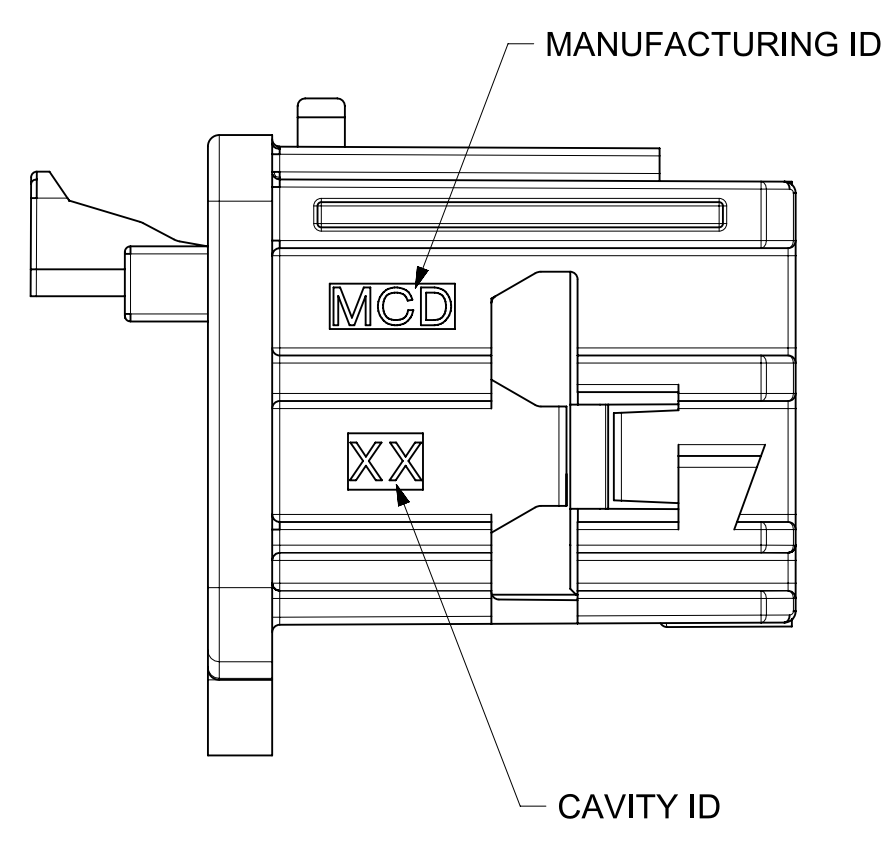
INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: A3
LAST BALLOON NUMBER USED: 5
ADDED BALLOON NUMBERS:
REMOVED BALLOON NUMBERS:

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
FA = 0	DIMENSION UNITS: mm	SCALE: 4:1
FE = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
FP = 0	ANGULAR TOL ± 0.5°	
DIVISIONAL SYMBOLS	CURRENT REV DESC: REFER TO REVISION COLUMN	
4 PLACES ±	PHASE: Design Production	
3 PLACES ±	CO NO: CO-000001122	
2 PLACES ±	DRWN: Gang Li 2022-09-06	
1 PLACE ±	CHK'D: Shanks Wu 2022-10-07	
0 PLACES ±	APPR: Colin Zhang 2022-10-10	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	INITIAL REVISION: DRWN: SWU31 APPR: CDZHANG 2020-07-14
	DRAWING: D-SIZE	SERIES: 34959
	MATERIAL NUMBER	CUSTOMER
	DOCUMENT NUMBER: 349590001	DOC TYPE: PSD DOC PART: 000 REVISION: A3
		SHEET NUMBER: 1 OF 2

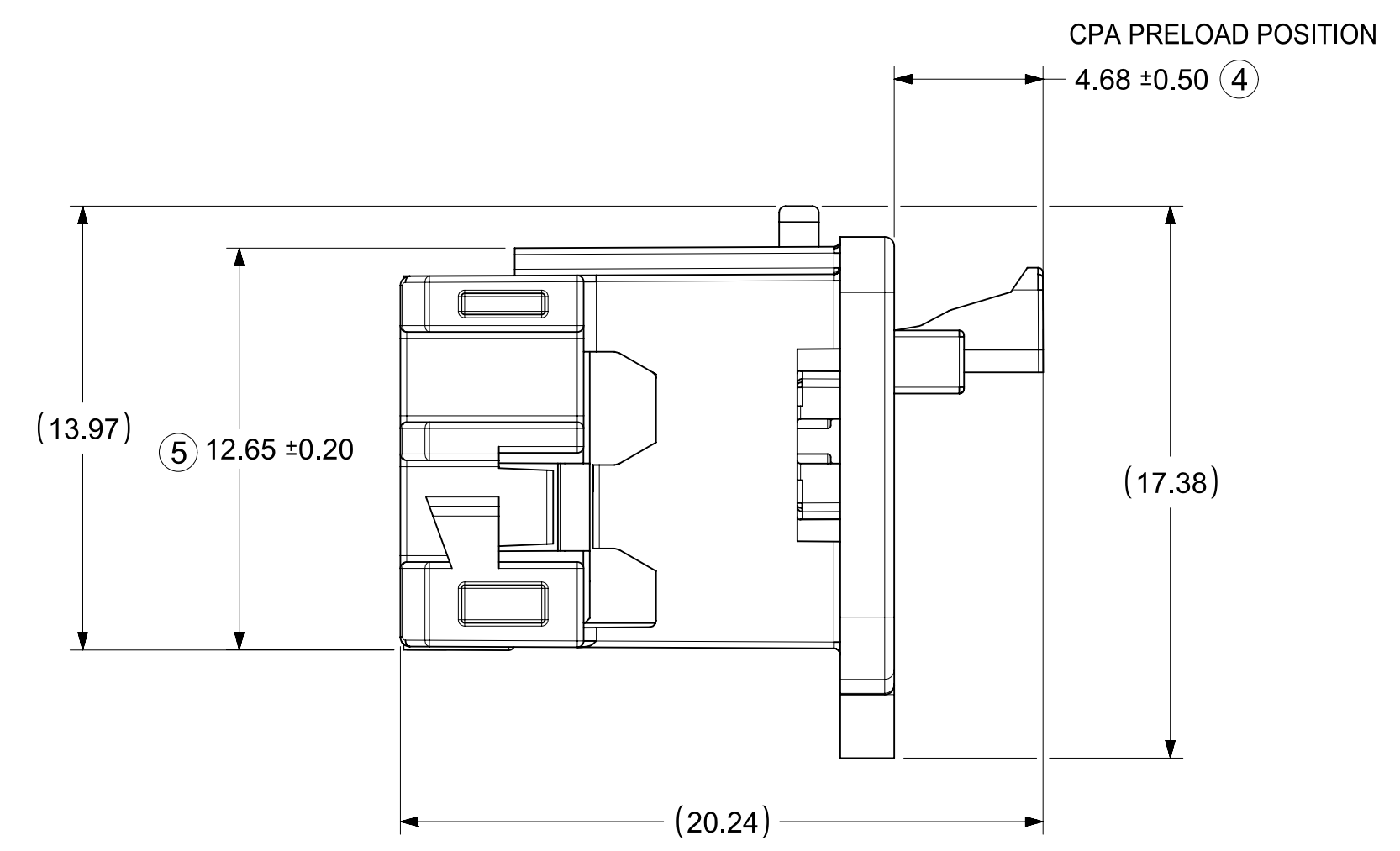
SHEET NO.	SHEET DESCRIPTION
2	DETAIL DIMENSION VIEW



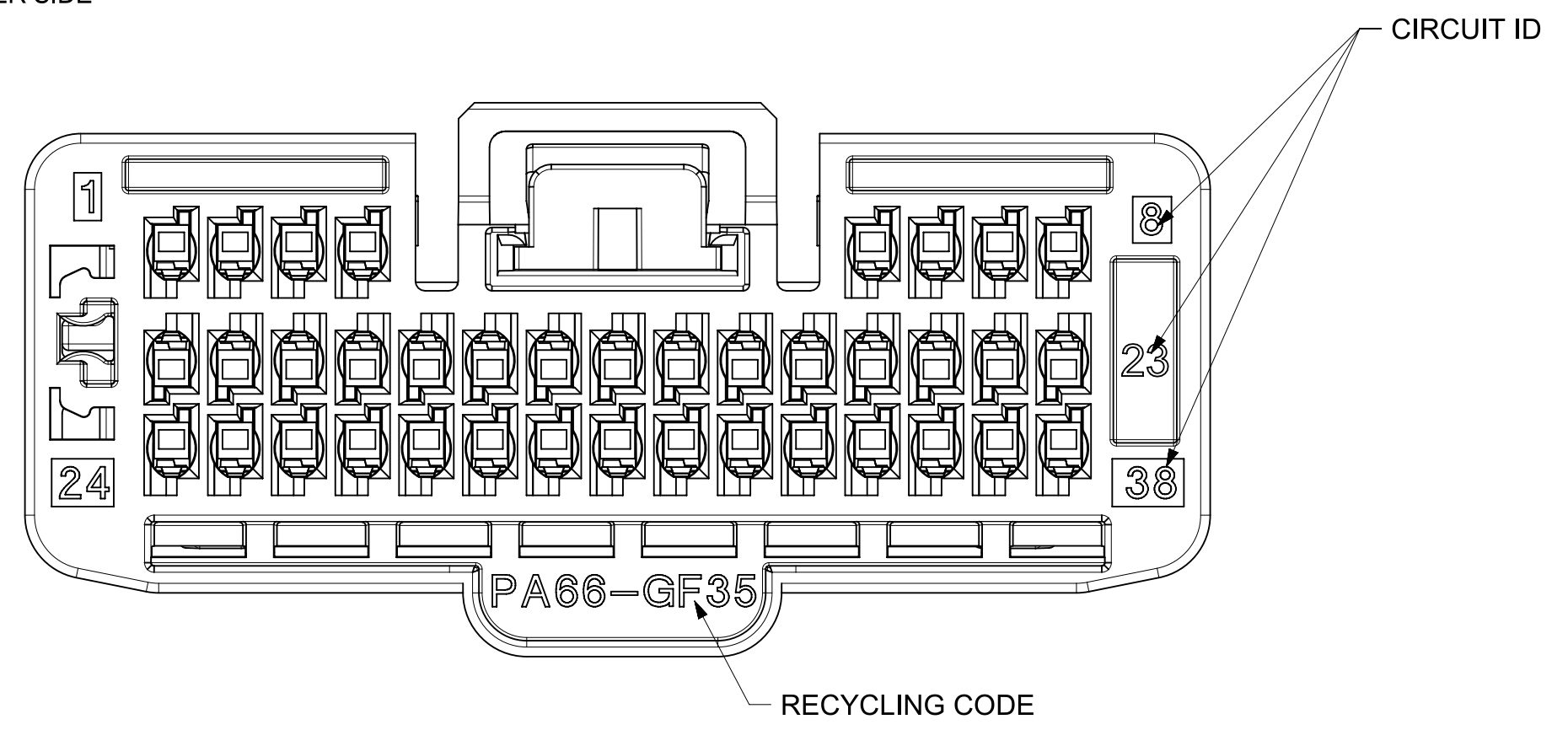
34WAY RECEPTACLE



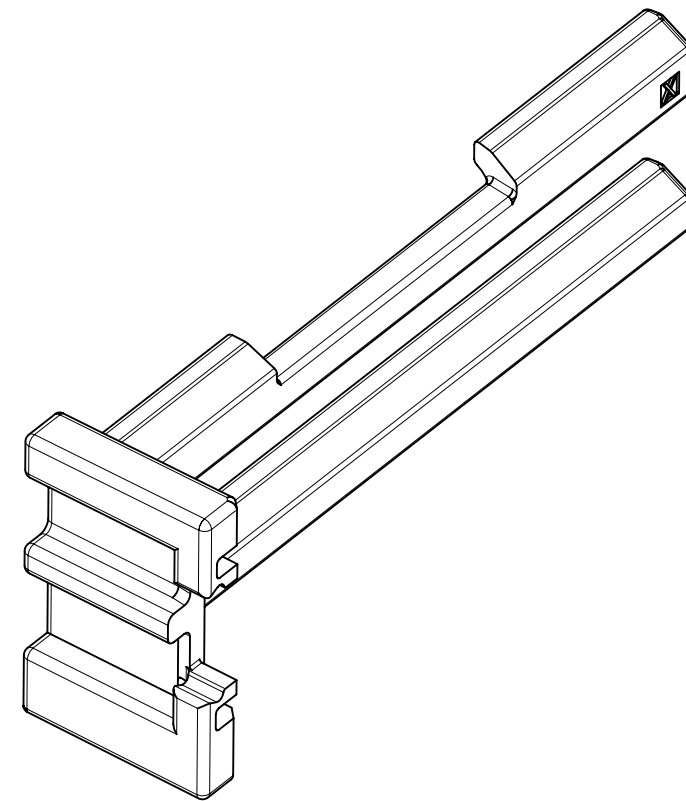
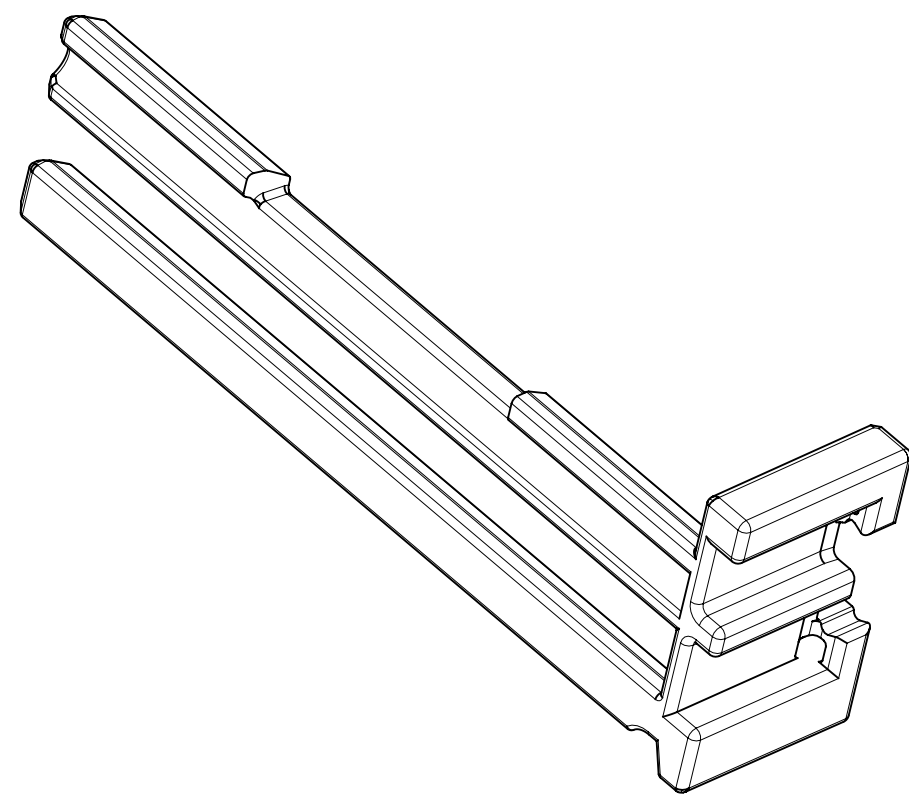
38WAY RECEPTACLE



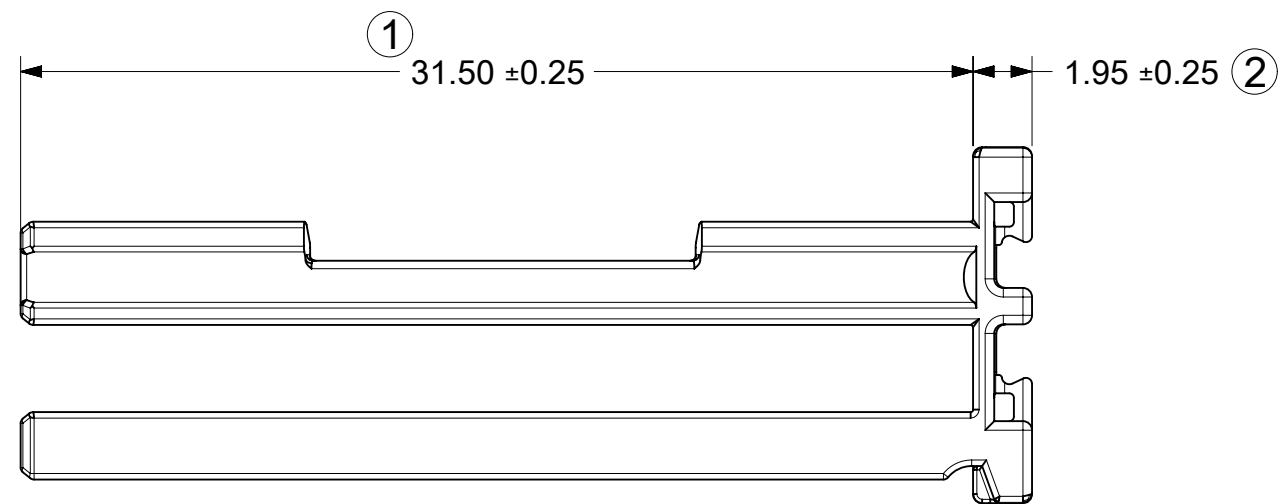
Ø40.92 PASS-THRU
WITH ± 1 mm PER SIDE



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: REFER TO REVISION COLUMN					
	DIMENSION UNITS	SCALE						
FA = 0	mm	5:1	GENERAL TOLERANCES (UNLESS SPECIFIED)		PHASE: Design Production			
FE = 0	ANGULAR TOL ± 0.5°		4 PLACES ±		CO NO: CO-000001122			
DIVISIONAL SYMBOLS	3 PLACES ±		2 PLACES ±		DRWN: Gang Li 2022-09-06			
	1 PLACE ±		0 PLACES ±		CHK'D: Shanks Wu 2022-10-07			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		APPR: Colin Zhang 2022-10-10			
	DRAWING		SERIES		INITIAL REVISION:			
D-SIZE		34959		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
MATERIAL NUMBER		CUSTOMER		349590001		PSD	000	A3
SHEET NUMBER		2 OF 2						



ISL
ISOMETRIC VIEWS
SCALE 4:1



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: 349590002-RAS
 - b. PRODUCT SPECIFICATION SEE: PS-34959-001
 - c. DESIGN TO WORK WITH RECEPTACLE CONNECTOR PART NUMBER LIST IN DRAWING: 349590001
2. DESIGN - MATERIALS: SEE BOM TABLE
3. DESIGN - GEOMETRY:
 - a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5X-2009
 - c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - e. 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)

BOM TABLE

PART NUMBER	DESCRIPTION	COLOR	UL94 TYPE	MATERIAL	PACKAGING DRAWING
34959-6301	MINI50 34&38CKT ISL(FINISHED GOODS)	NATURE-WHITE	HB	PA66	348945000

REV	REV DESCRIPTION	ECN SAP NO.
A2	UPDATED ISL VIEWS	659058
A1	ADDED A BOM LIST TO SHOW ISL INFORMATION	647205
A	INITIAL RELEASE	639273

INSPECTION BALLOON NUMBER LOG	
PER DRAWING REVISION:	A2
LAST BALLOON NUMBER USED:	4
ADDED BALLOON NUMBERS:	
REMOVED BALLOON NUMBERS:	

FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{E}{C} = 0$ $\frac{P}{D} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE	4:1	molex MINI50 34/38 WAY ISL SALES DRAWING RESTRICTED PRODUCT CUSTOMER DRAWING
	DIMENSION UNITS	mm		
	GENERAL TOLERANCES (UNLESS SPECIFIED)	ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±		
	DIVISIONAL SYMBOLS	EC NO: 659058 DRWN: SWU31 CHK'D: CDZHANG APPR: CDZHANG 2021/03/24 2021/04/12 2021/04/12		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING SERIES C-SIZE 34959
DOCUMENT NUMBER		349590002		DOC TYPE DOC PART REVISION PSD 000 A2
MATERIAL NUMBER				SHEET NUMBER
				1 OF 1