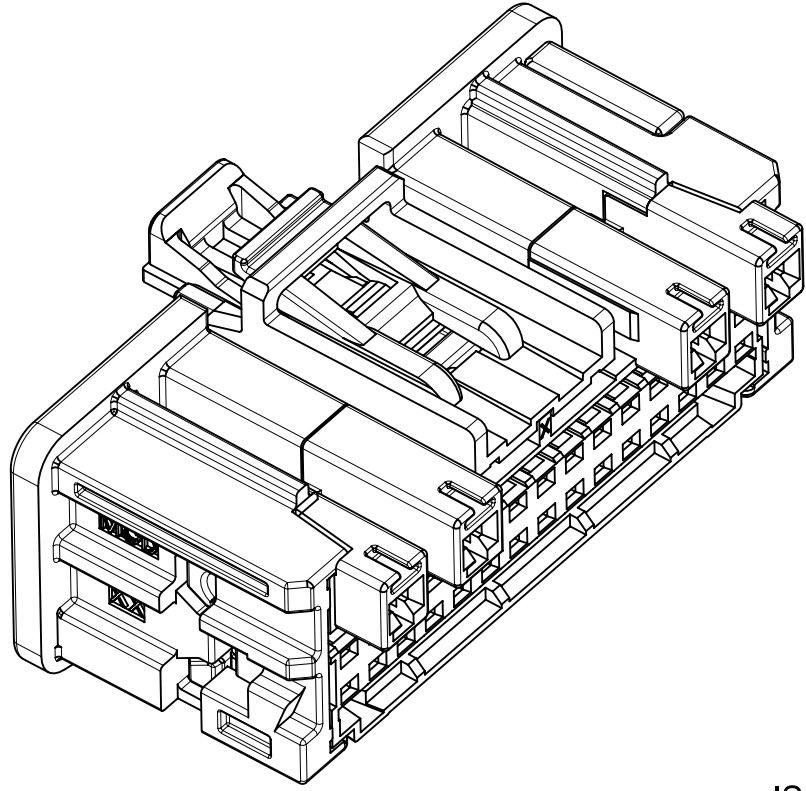
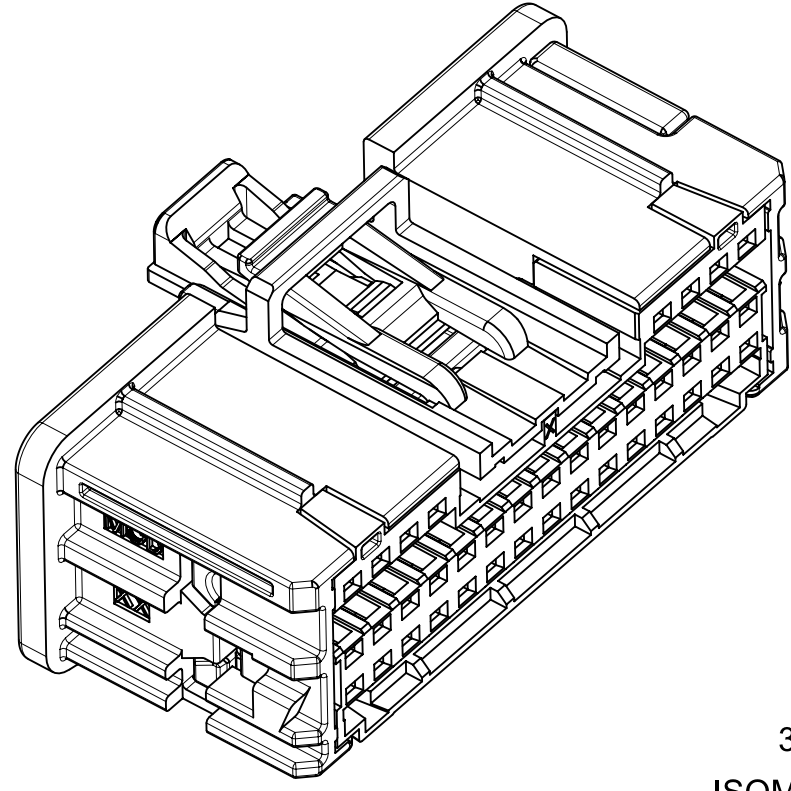
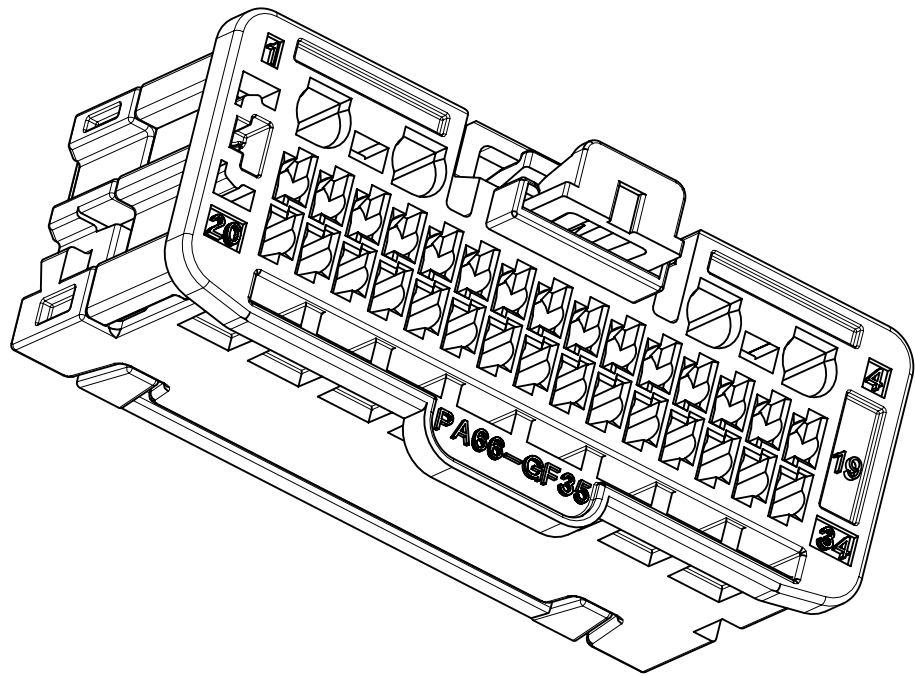


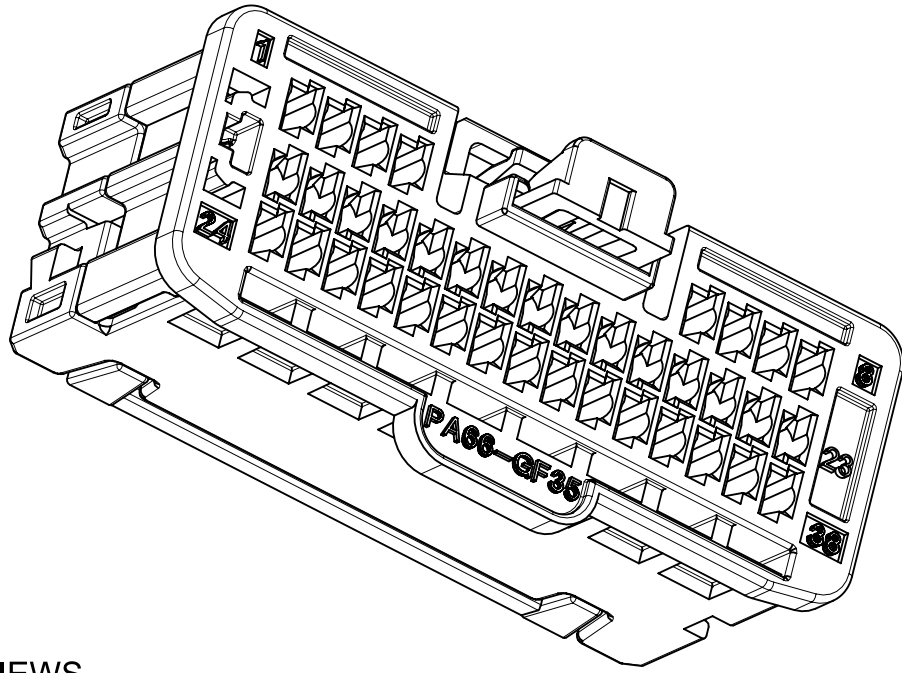
|                   |                                                                                                                                                               |    |    |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| 20                | 19                                                                                                                                                            | 18 | 17 |
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| 1                 | NOTES, INSPECTION BALLOON NUMBER LOG,<br>NOMINAL DIMENSION RANGE LIST, REV.COLUMN,<br>ISOMETRIC VIEW,ISL<br>EXPLODED VIEW, CTX50 TERMINAL LIST,TYCO MCON LIST |    |    |
| 2                 | RECEPTCLE ASSEMBLY LIST                                                                                                                                       |    |    |
| 3                 | 34&38WAY POLARIZATION OPTION VIEW,                                                                                                                            |    |    |
| 4                 | POL A&B&C DIFFERENCE WITH UPDATED POL A&B&C<br>VIEW, HB / V0 VERSION DIFFERENCE                                                                               |    |    |
| 5                 | DETAIL DIMENSION VIEW                                                                                                                                         |    |    |



34WAY  
ISOMETRIC VIEWS  
SCALE 3:1

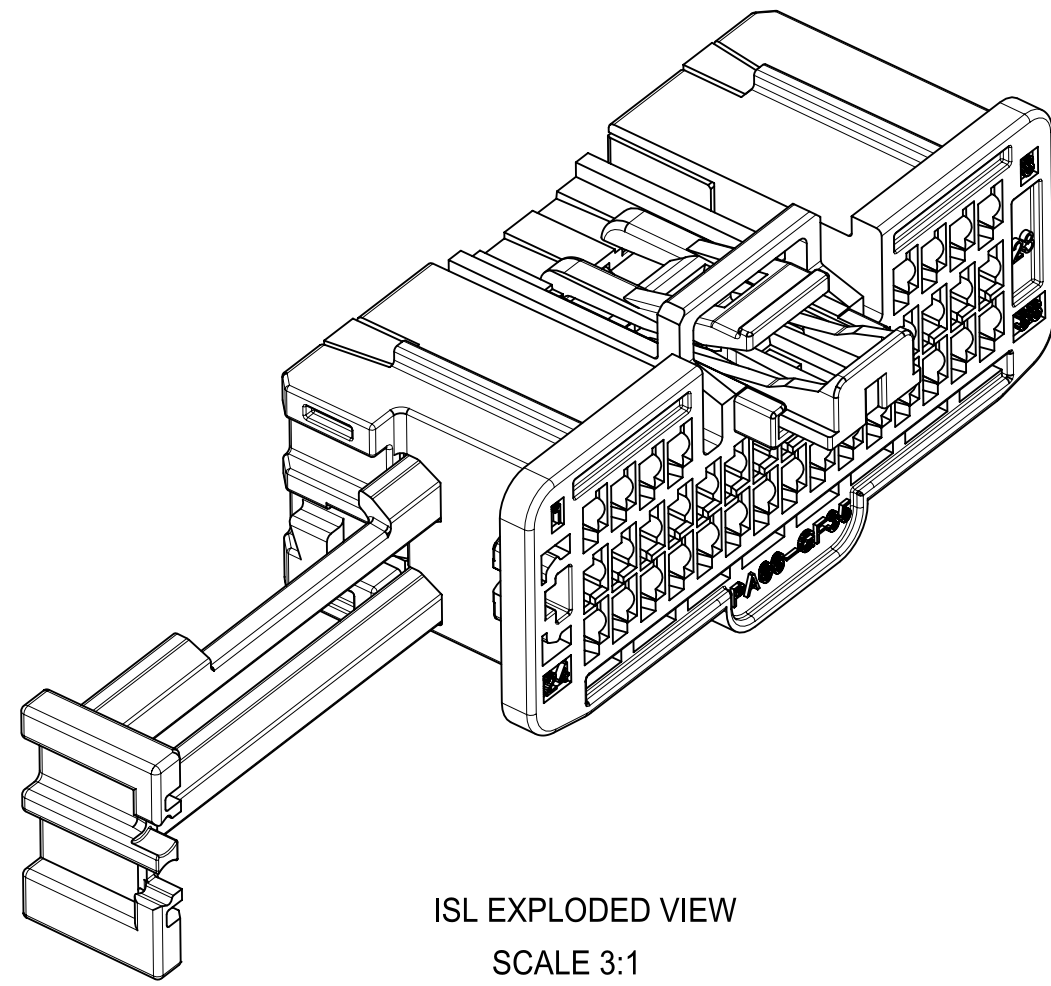


38WAY  
ISOMETRIC VIEWS  
SCALE 3:1



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



ISL EXPLODED VIEW  
SCALE 3:1

| 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)  |             |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |

## CTX50 UNSEALED RECEPTACLE TERMINALS

| PART NUMBER             |                          | MATERIAL     | WIRE GAGE<br>(mm <sup>2</sup> ) | GRIP   | STATUS                    |
|-------------------------|--------------------------|--------------|---------------------------------|--------|---------------------------|
| D-WIND<br>(LEFT PAYOFF) | B-WIND<br>(RIGHT PAYOFF) |              |                                 |        |                           |
| 5600230448              | 5600230450               | COPPER ALLOY | 0.35                            | LARGE  | PLAN OBSOLESCENCE IN 2024 |
| 5600230421              | 5600230423               | COPPER ALLOY | 0.22                            | MEDIUM | PLAN OBSOLESCENCE IN 2024 |
| 5600230444              | 5600230445               | COPPER ALLOY | 0.13                            | SMALL  | PLAN OBSOLESCENCE IN 2024 |
| 5600230748              | 5600230750               | COPPER ALLOY | 0.35                            | LARGE  | SALEABLE                  |
| 5600230721              | 5600230723               | COPPER ALLOY | 0.22                            | MEDIUM | SALEABLE                  |
| 5600230744              | 5600230745               | COPPER ALLOY | 0.13                            | SMALL  | SALEABLE                  |

## TYCO MCON UNSEALED RECEPTACLE TERMINALS

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

| INSPECTION BALLOON NUMBER LOG |
|-------------------------------|
| PER DRAWING REVISION: E3      |
| LAST BALLOON NUMBER USED: 4   |
| ADDED BALLOON NUMBERS:        |
| REMOVED BALLOON NUMBERS:      |

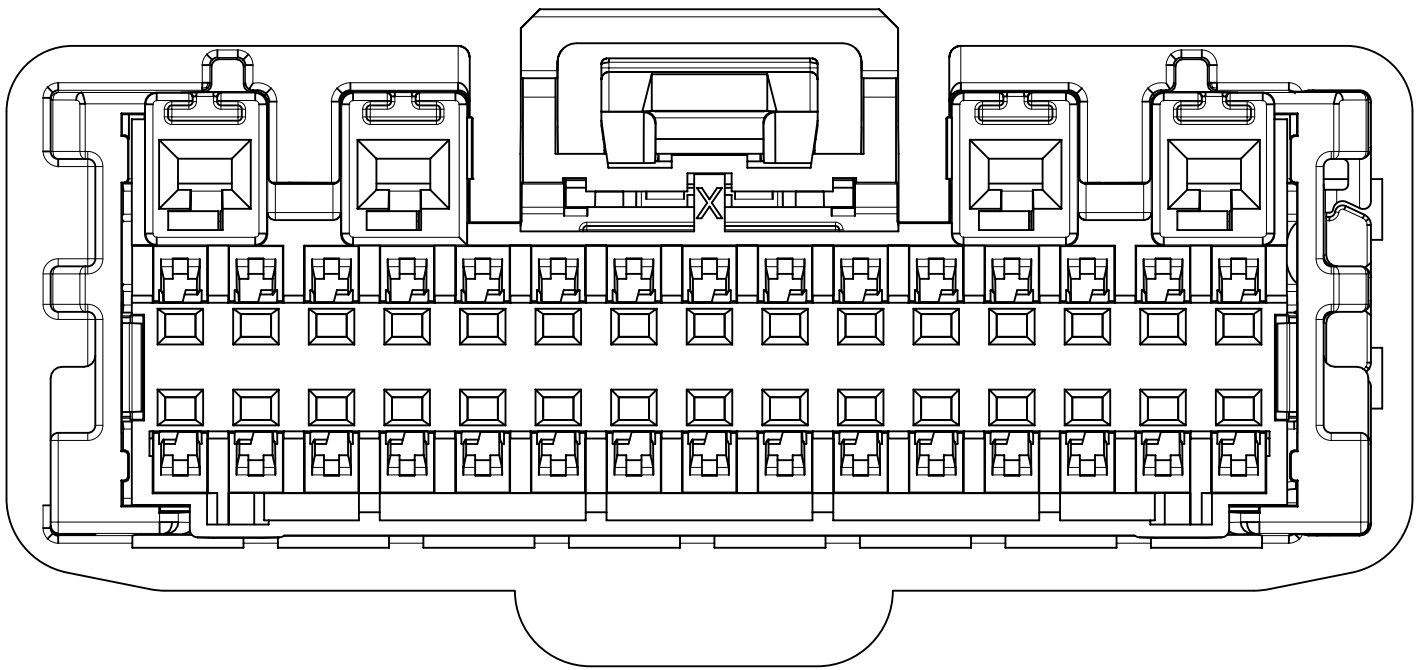
|                                                                                                                                                                      |                                                                                                                                               |  |       |  |                                        |                                                |  |  |  |                                                                                                                               |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|----------------------------------------|------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| FUNCTIONAL SYMBOLS<br><br><div><div>F<sub>A</sub></div>= 0</div> <div><div>F<sub>E</sub></div>= 0</div> <div><div>F<sub>F</sub></div>= 0</div><br>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: REFER TO THE REVISION COLUMN |  |  |  | <div>molex</div> <div>34/38 WAY MINI50 FEMALE<br/>RECEPTACLE ASSEMBLY SALES DRAWING</div> <div>PRODUCT CUSTOMER DRAWING</div> |  |  |  |
|                                                                                                                                                                      | DIMENSION UNITS                                                                                                                               |  | SCALE |  | STATUS: Production<br><br>DRWN: Leo Li |                                                |  |  |  |                                                                                                                               |  |  |  |



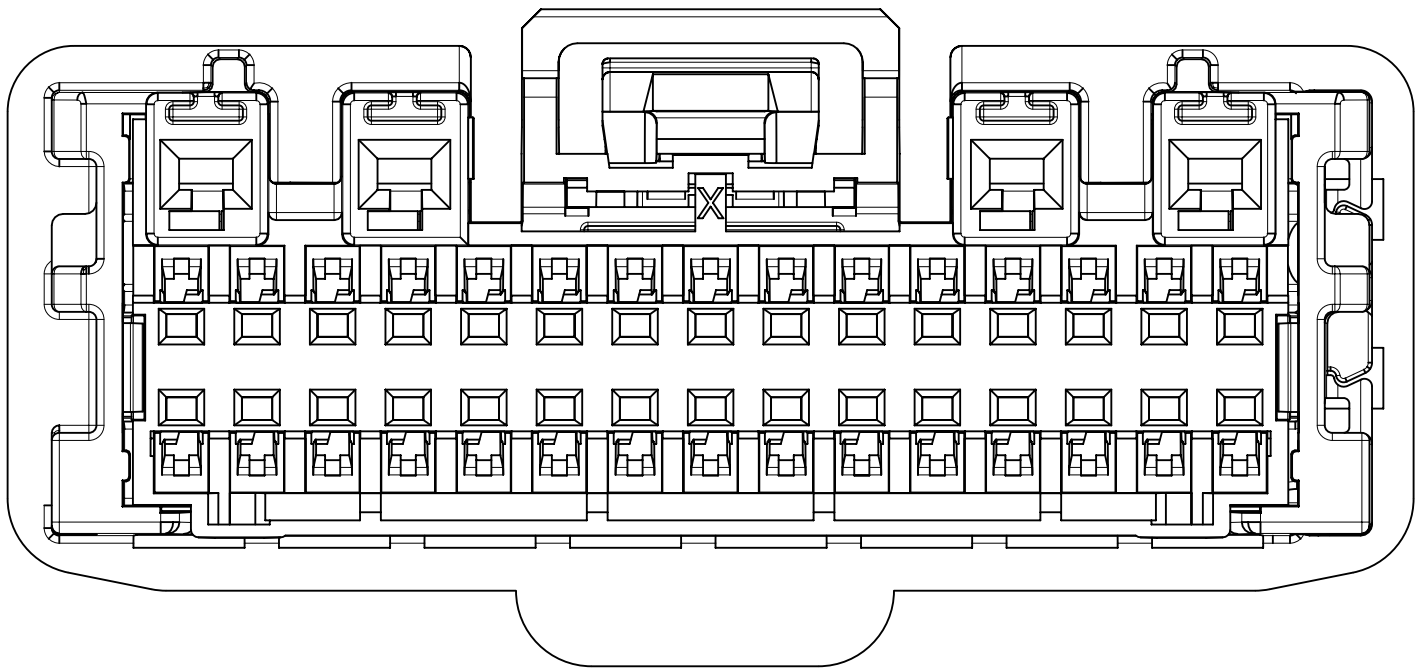




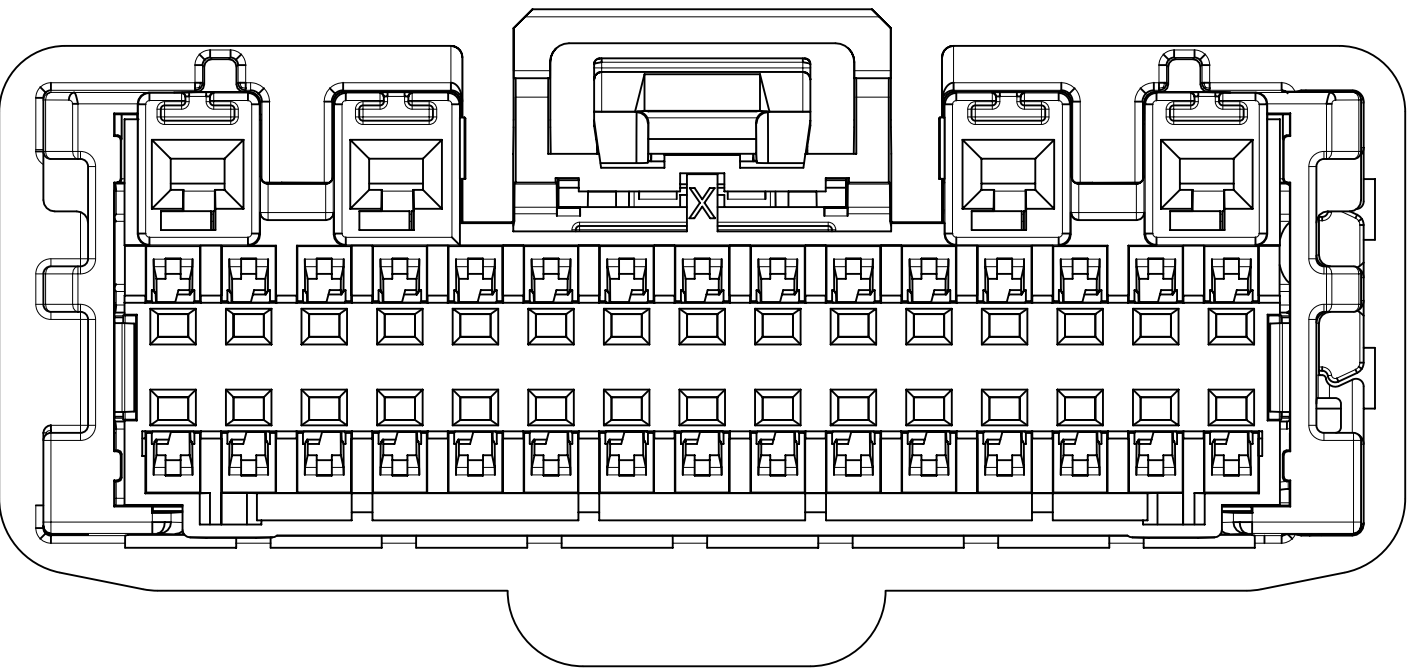
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|-------------------|------------------------------------|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|
|                   | 19                                 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
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| 3                 | 34&38WAY POLARIZATION OPTION VIEW, |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |



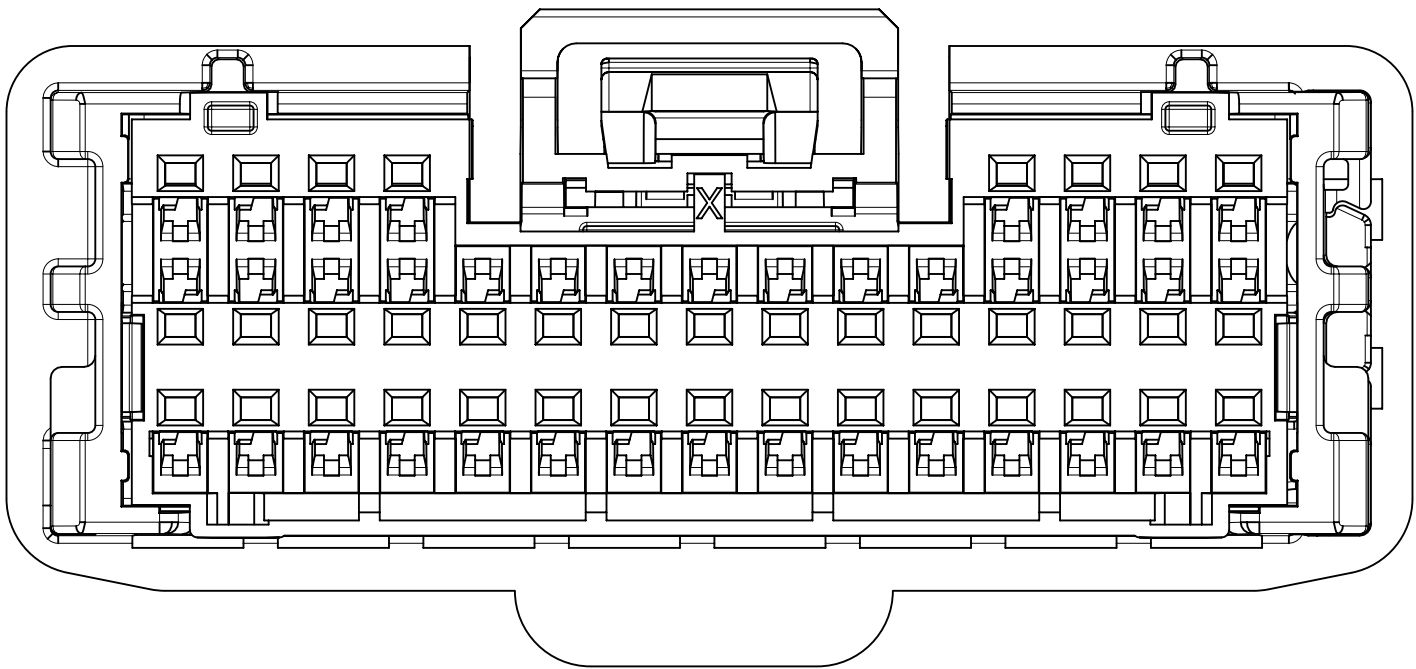
34 WAY POLARIZATION OPTION 'A'



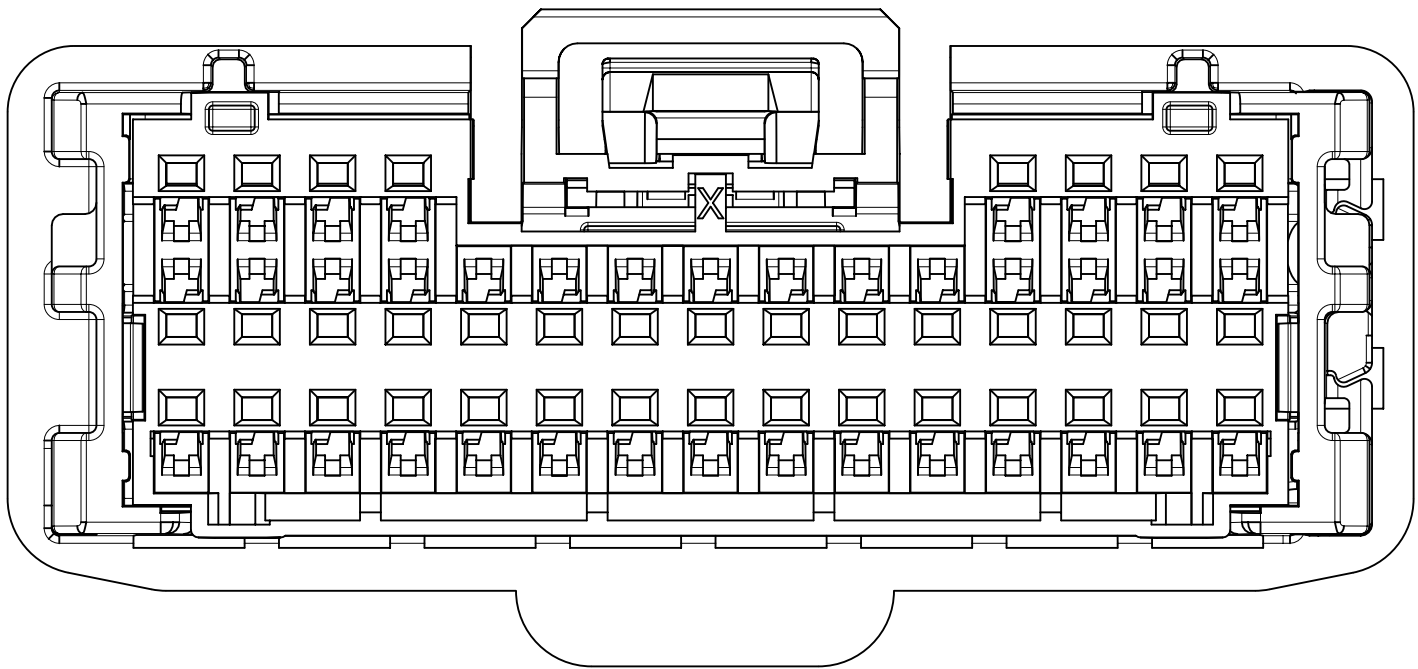
34 WAY POLARIZATION OPTION 'B'



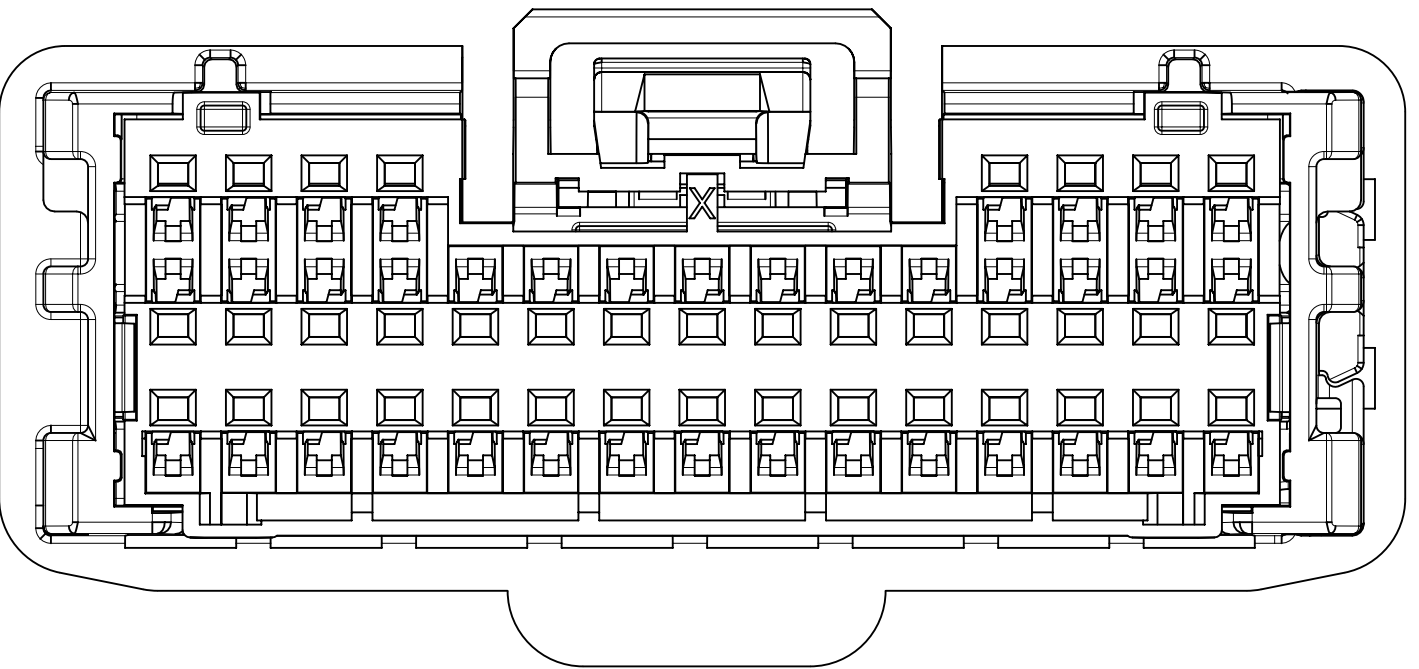
34 WAY POLARIZATION OPTION 'C'



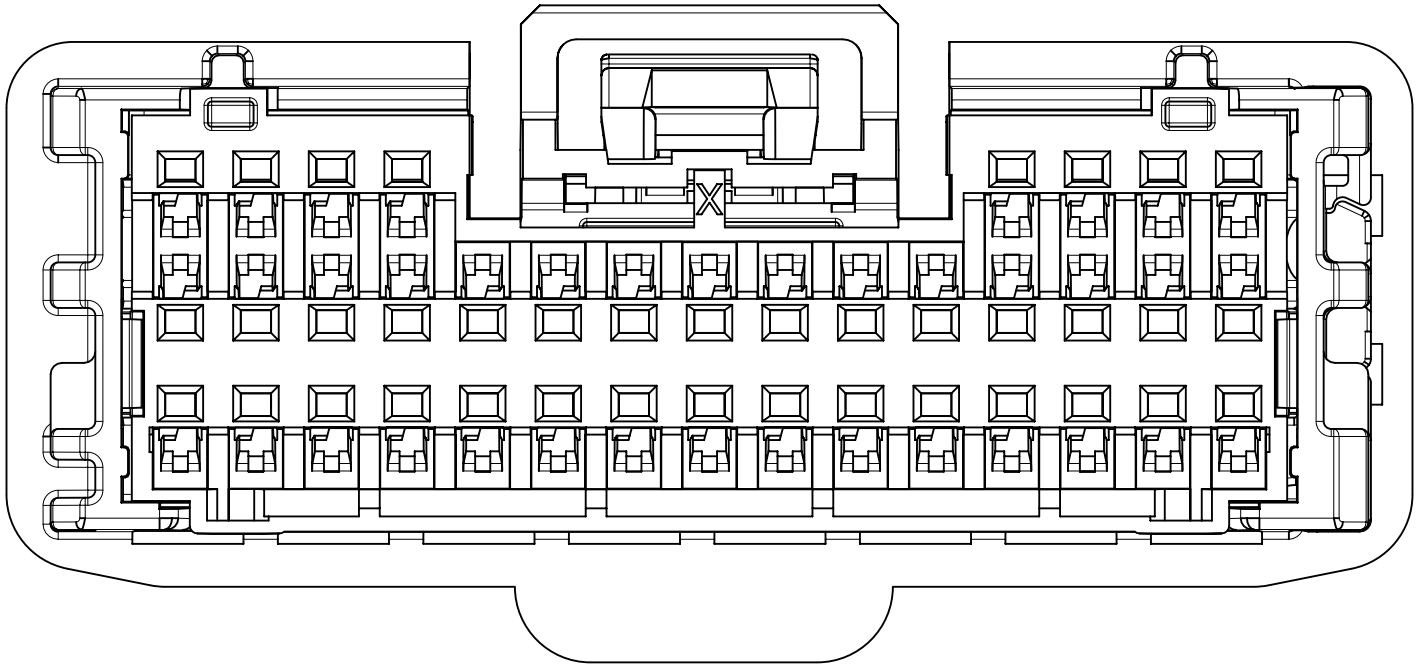
38 WAY POLARIZATION OPTION 'A'



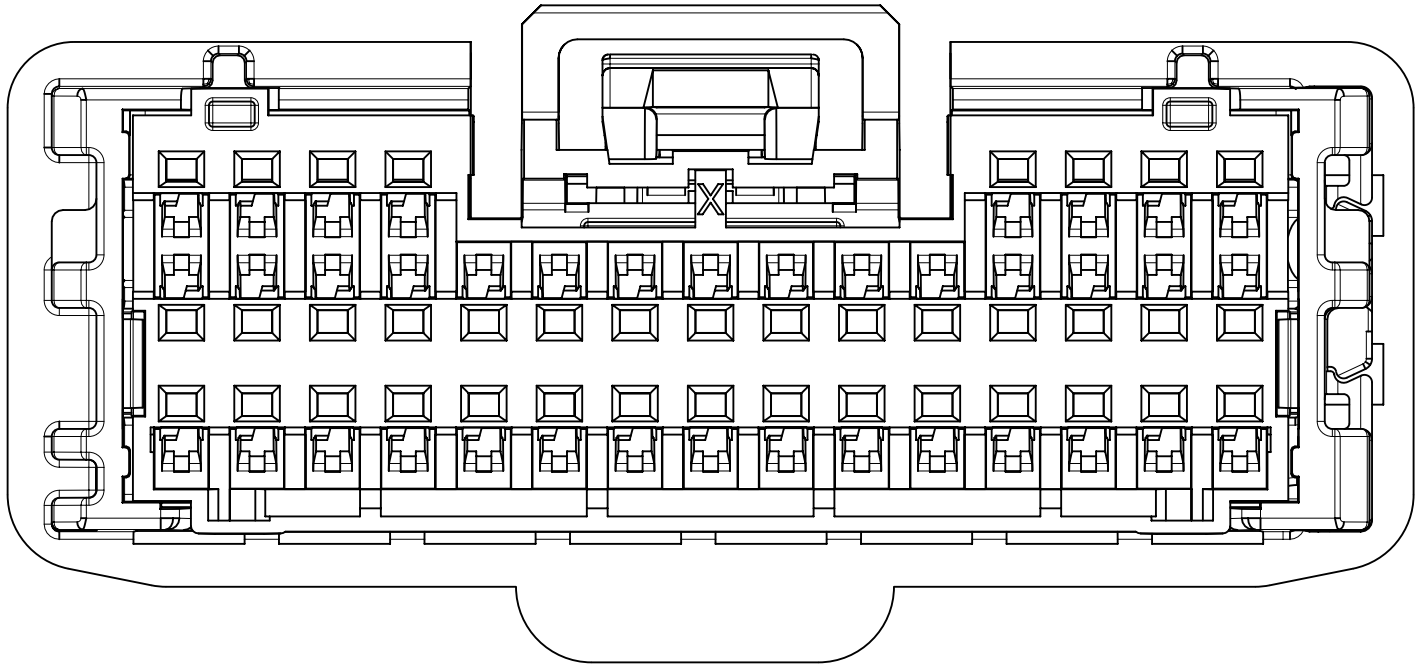
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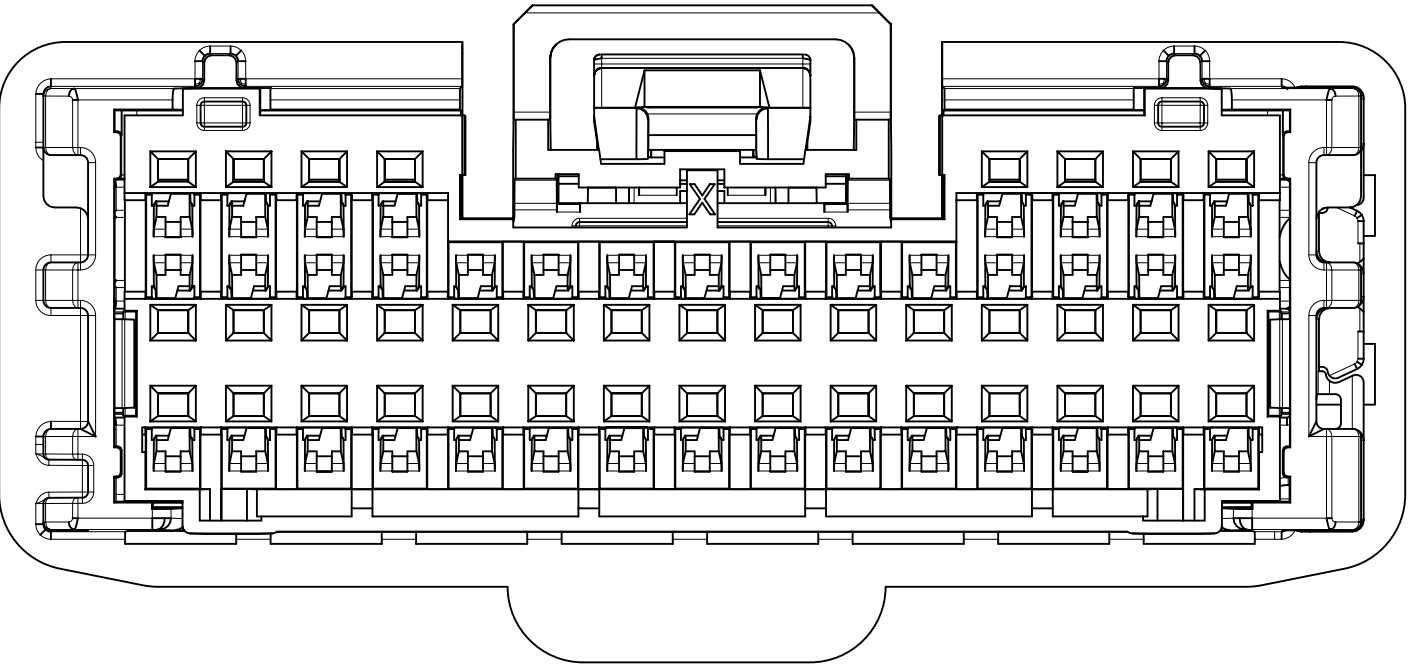
38 WAY POLARIZATION OPTION 'C'



38 WAY POLARIZATION OPTION 'UPDATED A'

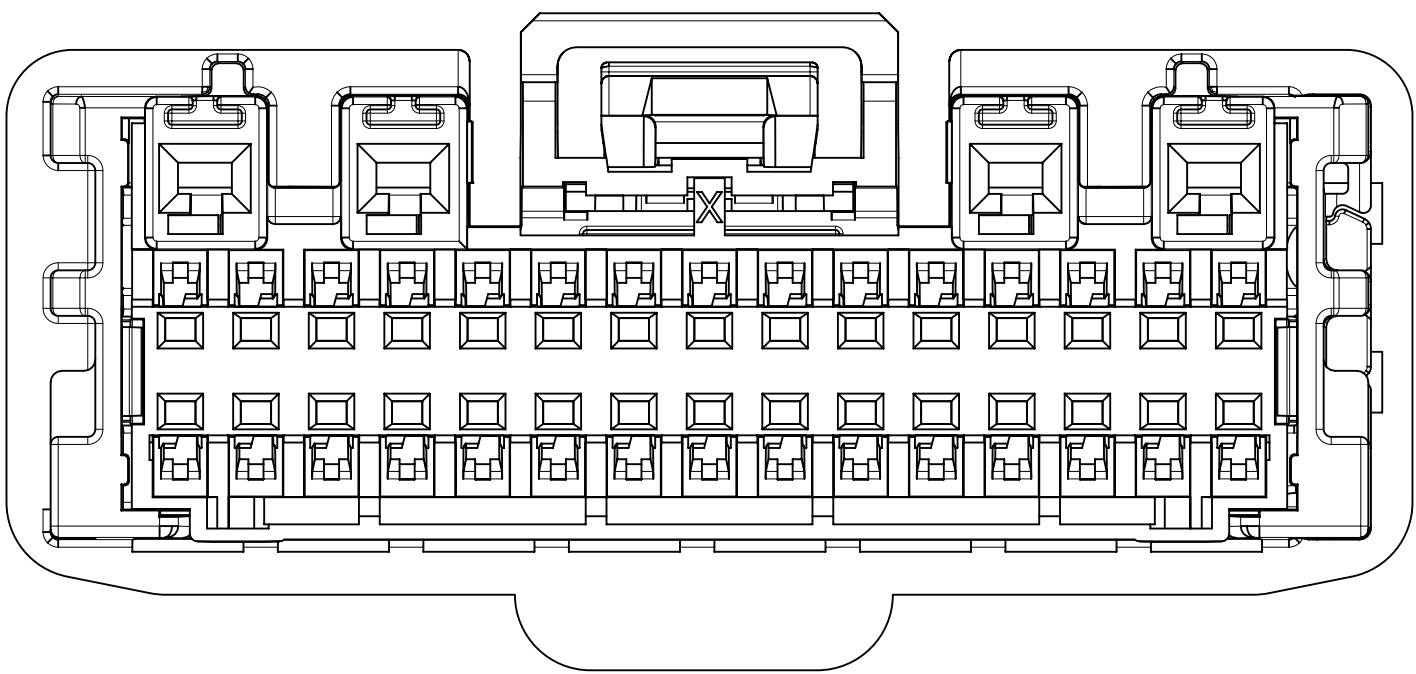


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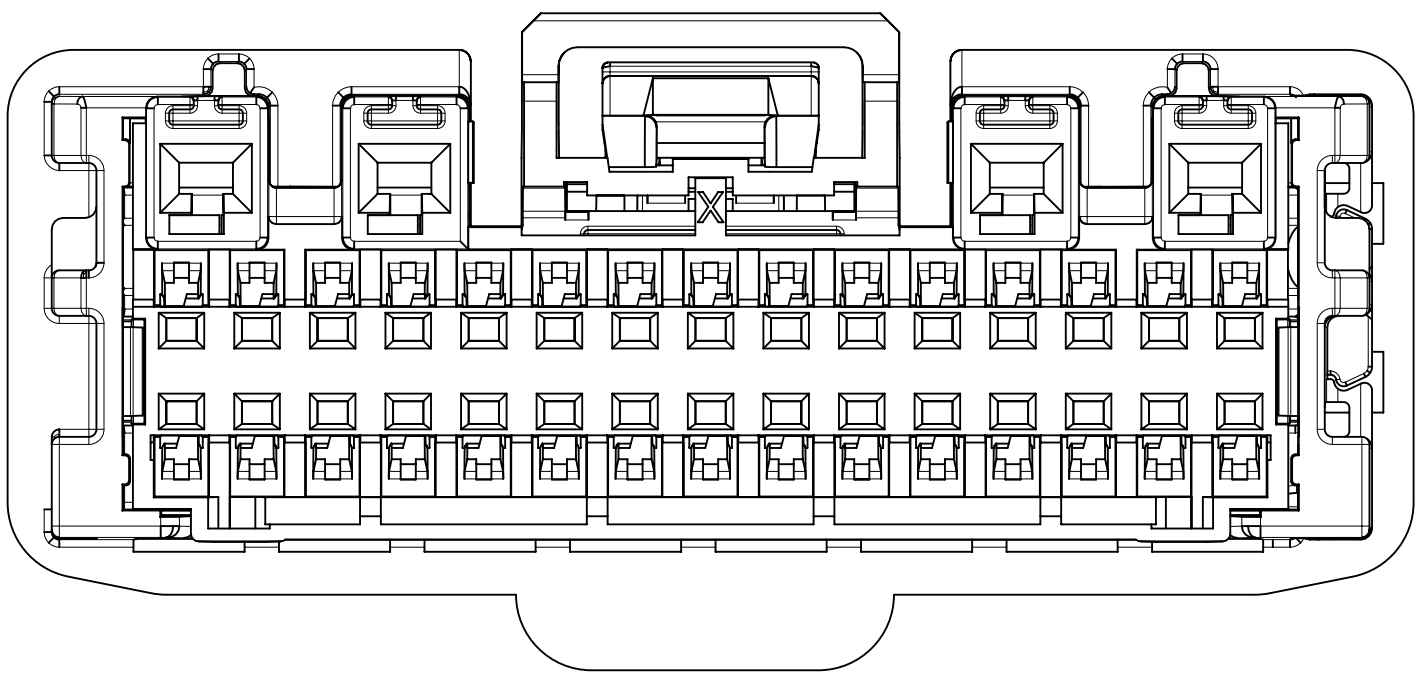


38 WAY POLARIZATIONOPTION 'UPDATED C'

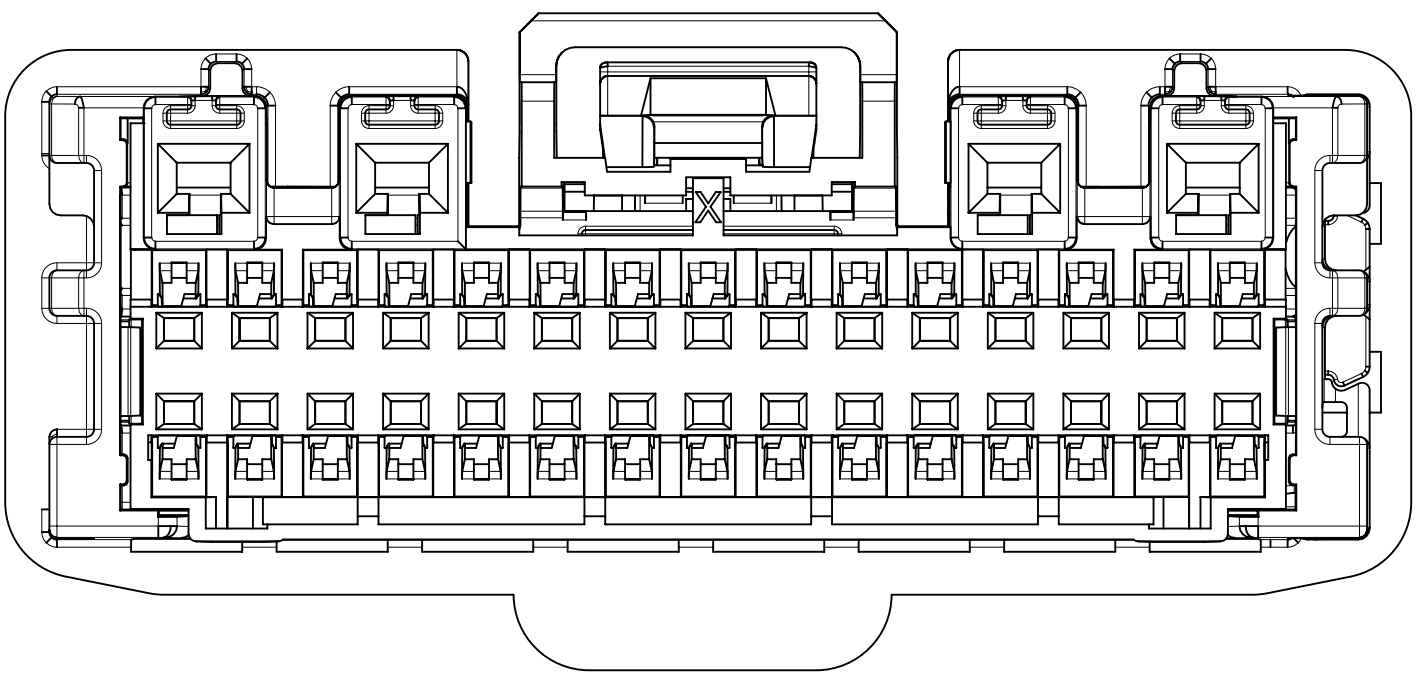
|                                                         |                                                                                                                                               |  |       |                                          |                                                                                                               |  |  |  |  |  |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------------------------------------------|---------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| FUNCTIONAL SYMBOLS                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |                                          |                                                                                                               |  |  |  |  |  |
|                                                         | DIMENSION UNITS                                                                                                                               |  | SCALE |                                          | CURRENT REV DESC: REFER TO THE REVISION COLUMN                                                                |  |  |  |  |  |
|                                                         | mm                                                                                                                                            |  | 5:1   |                                          |                                                                                                               |  |  |  |  |  |
|                                                         | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |                                          |                                                                                                               |  |  |  |  |  |
|                                                         | ANGULAR TOL                                                                                                                                   |  | ± 1°  |                                          | STATUS: Production<br>DRWN: Leo Li<br>CHK'D: Leo Li<br>APPR: wolffw<br>2025-07-14<br>2025-07-24<br>2025-07-24 |  |  |  |  |  |
|                                                         | 4 PLACES                                                                                                                                      |  | ±     |                                          |                                                                                                               |  |  |  |  |  |
|                                                         | 3 PLACES                                                                                                                                      |  | ±     |                                          |                                                                                                               |  |  |  |  |  |
|                                                         | 2 PLACES                                                                                                                                      |  | ±     |                                          |                                                                                                               |  |  |  |  |  |
|                                                         | 1 PLACE                                                                                                                                       |  | ±     |                                          |                                                                                                               |  |  |  |  |  |
|                                                         | 0 PLACES                                                                                                                                      |  | ±     |                                          | THIRD ANGLE PROJECTION<br>DRAWING<br>SERIES<br>MATERIAL NUMBER<br>CUSTOMER<br>SHEET NUMBER                    |  |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |  |       |                                          |                                                                                                               |  |  |  |  |  |
|                                                         |                                                                                                                                               |  |       |                                          |                                                                                                               |  |  |  |  |  |
| DIVISIONAL SYMBOLS                                      |                                                                                                                                               |  |       | SD-34959-030<br>GENERAL MARKET<br>3 OF 5 |                                                                                                               |  |  |  |  |  |



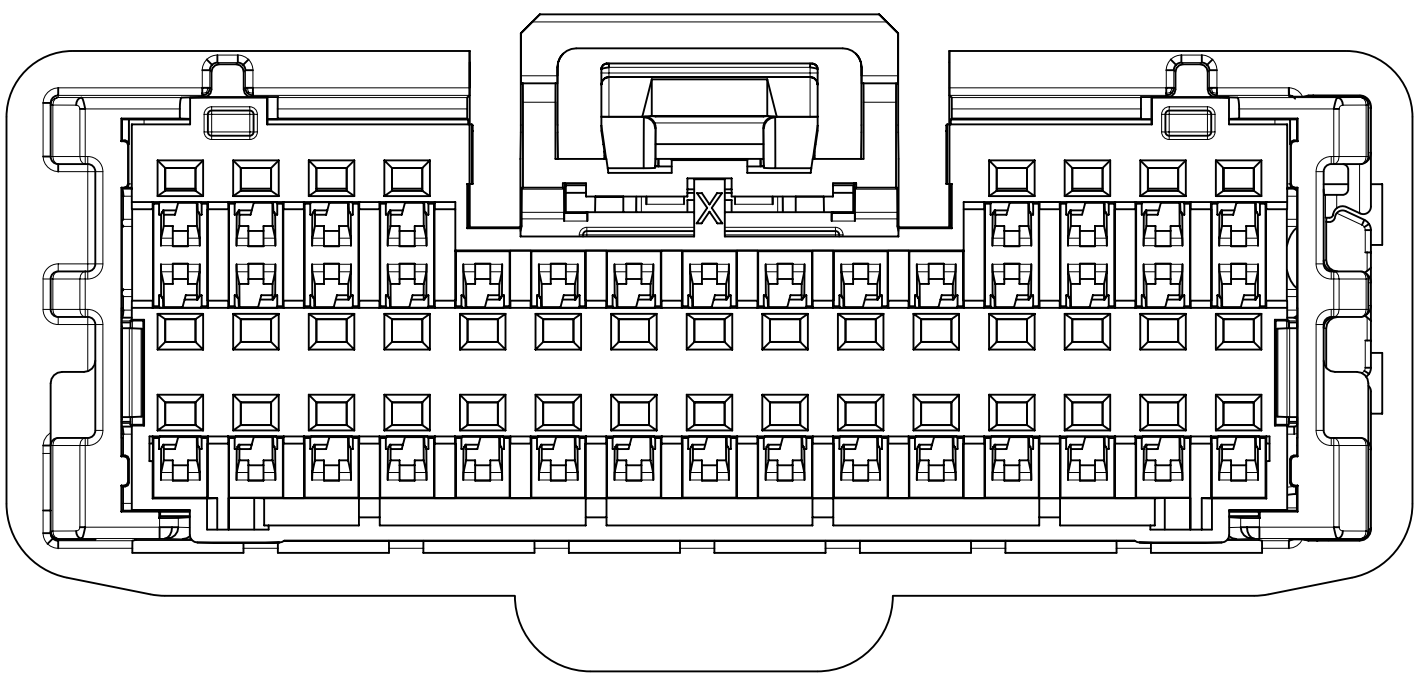
34 WAY POLARIZATION OPTION 'A'



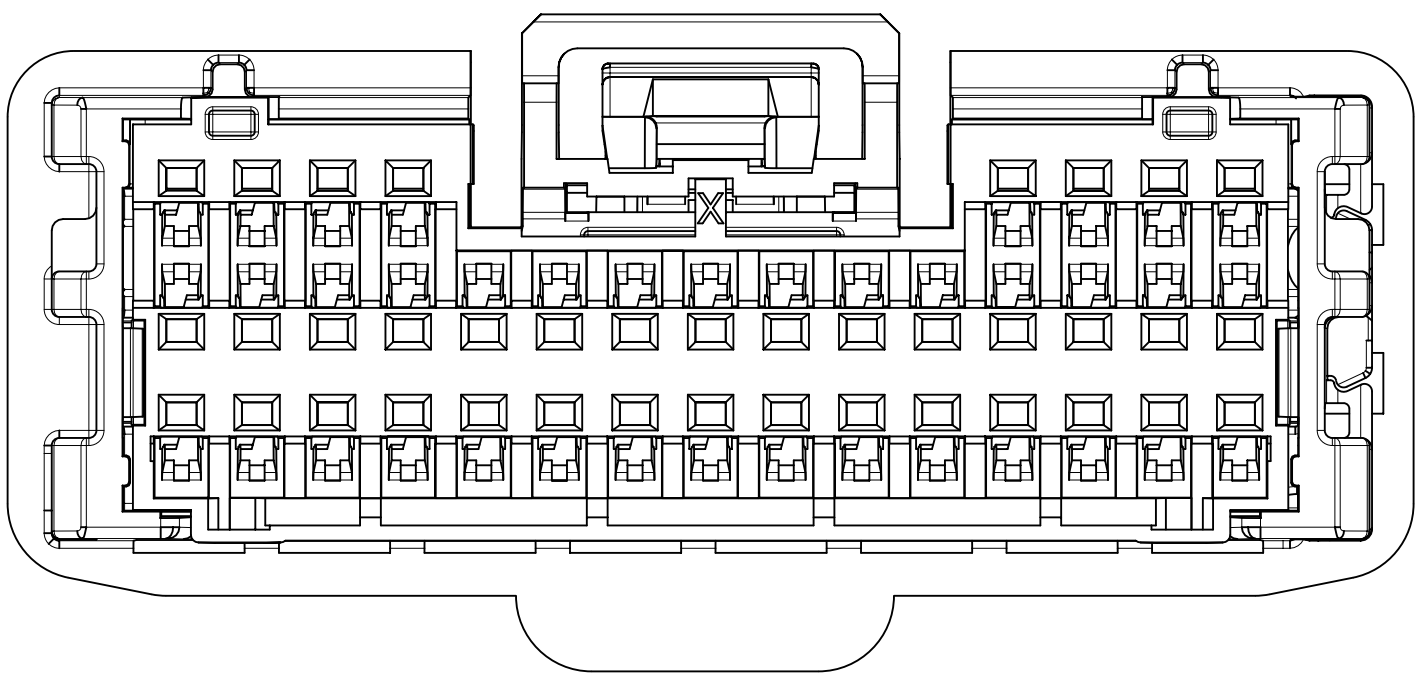
34 WAY POLARIZATION OPTION 'B'



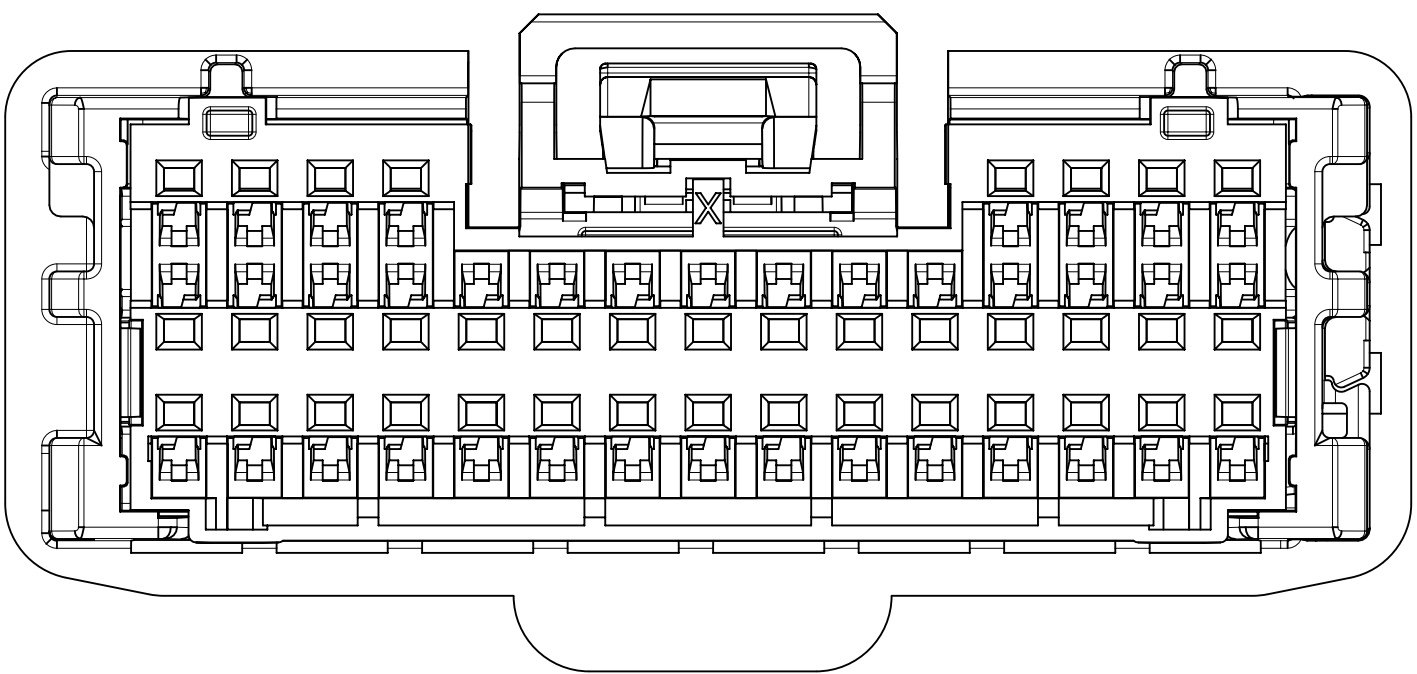
34 WAY POLARIZATION OPTION 'C'



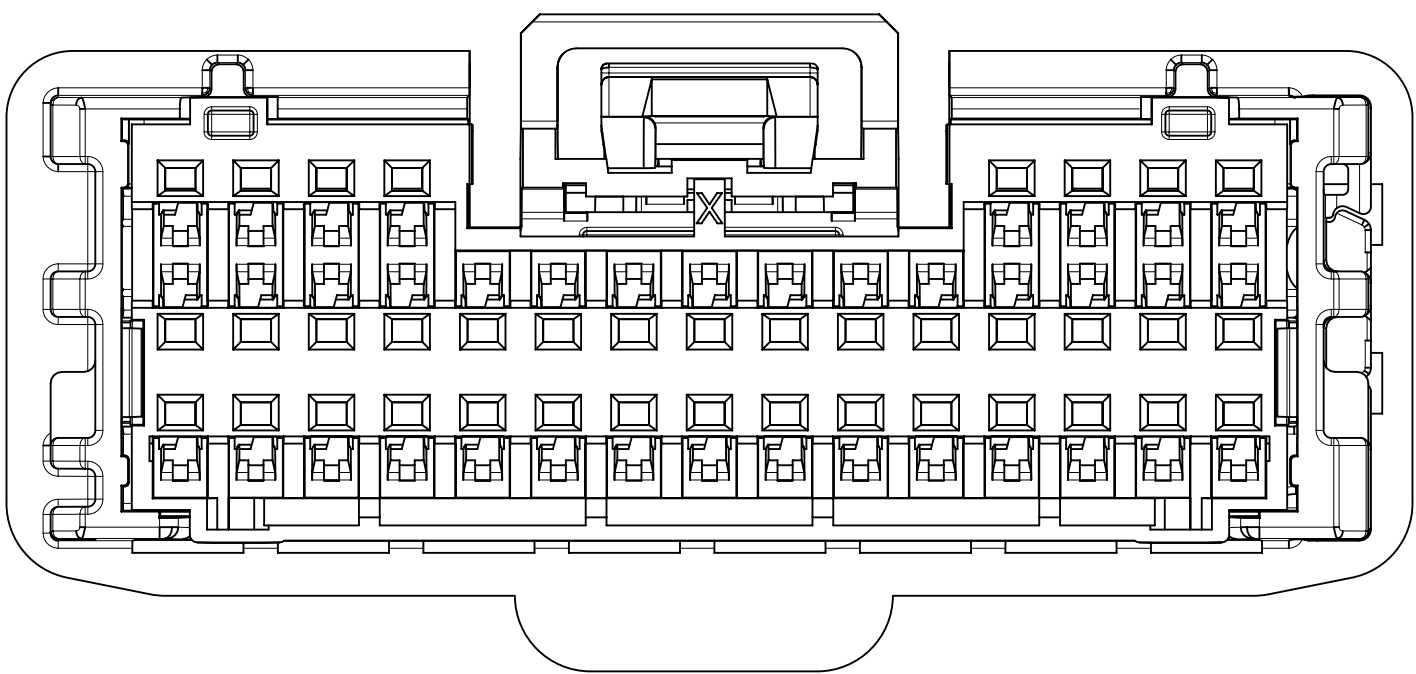
38 WAY POLARIZATION OPTION 'A'



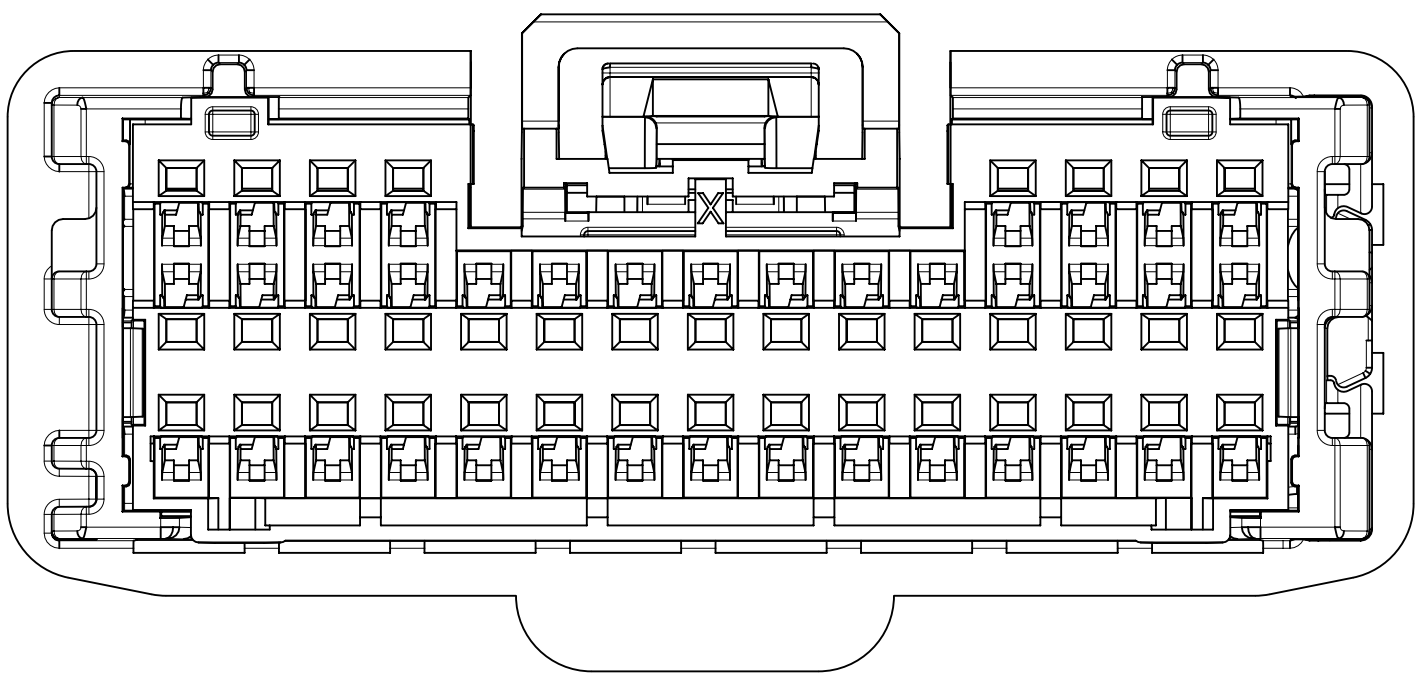
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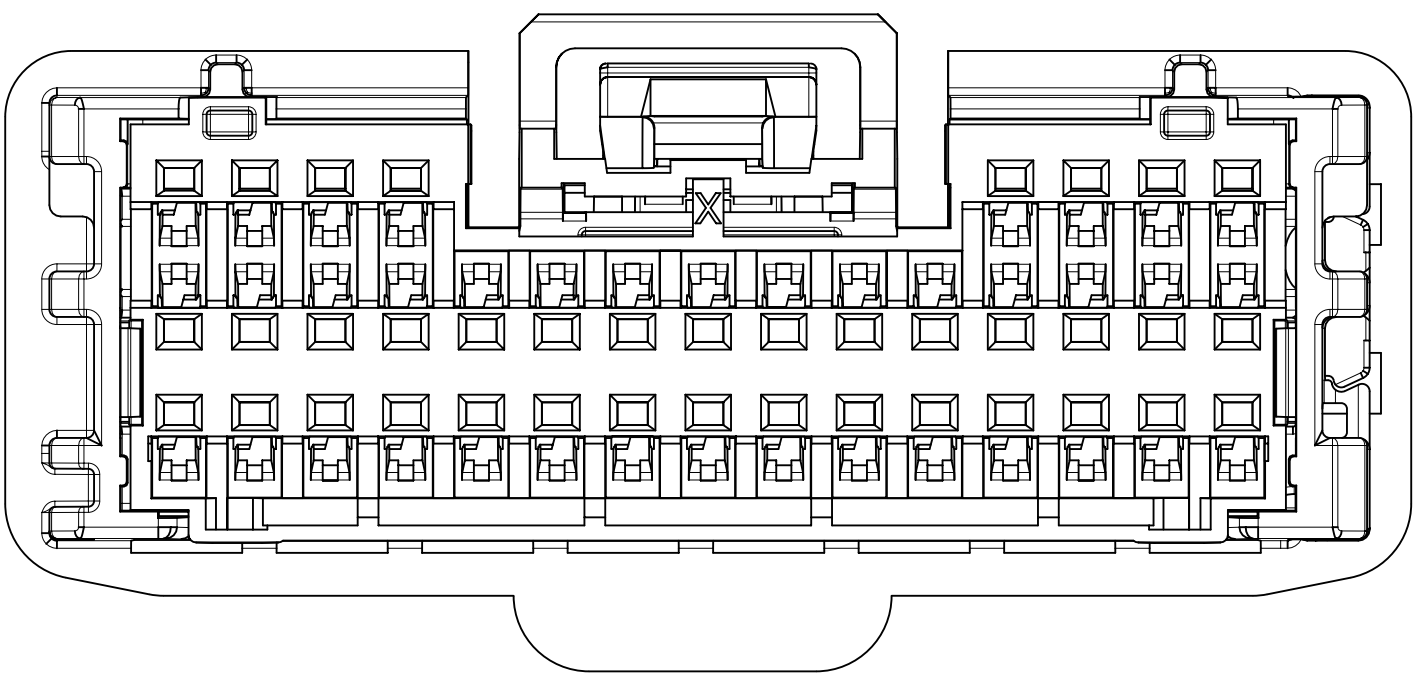
38 WAY POLARIZATION OPTION 'C'



38 WAY POLARIZATION OPTION 'UPDATED A'



38 WAY POLARIZATION OPTION 'UPDATED B'



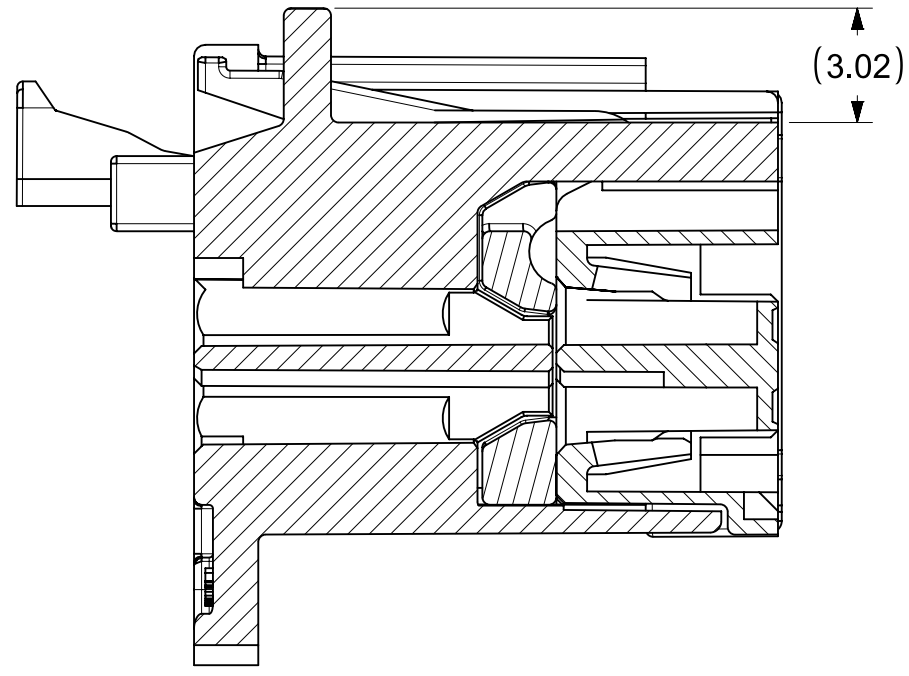
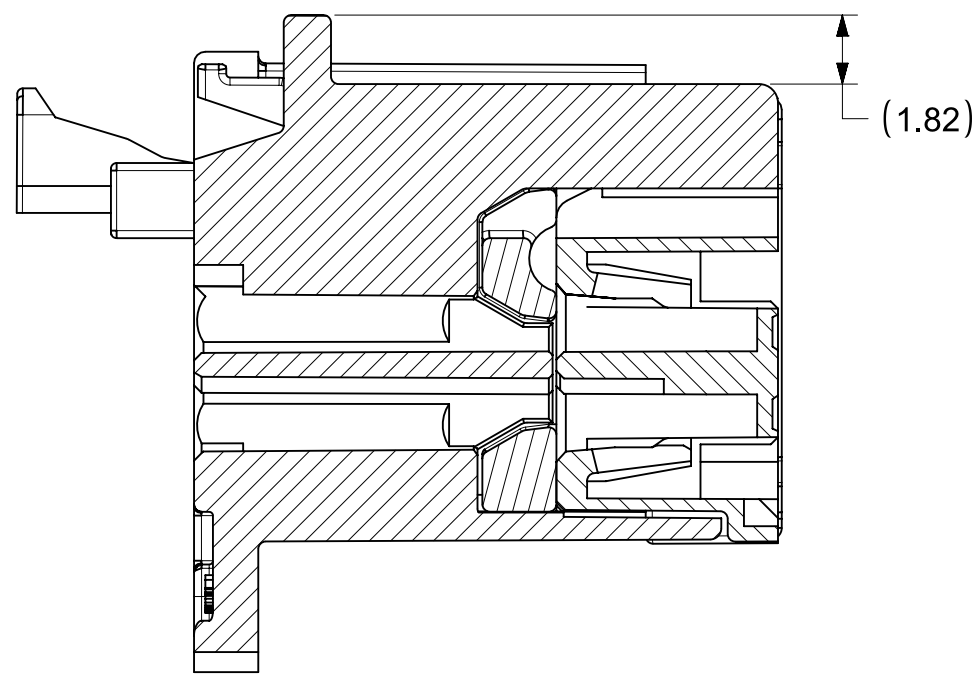
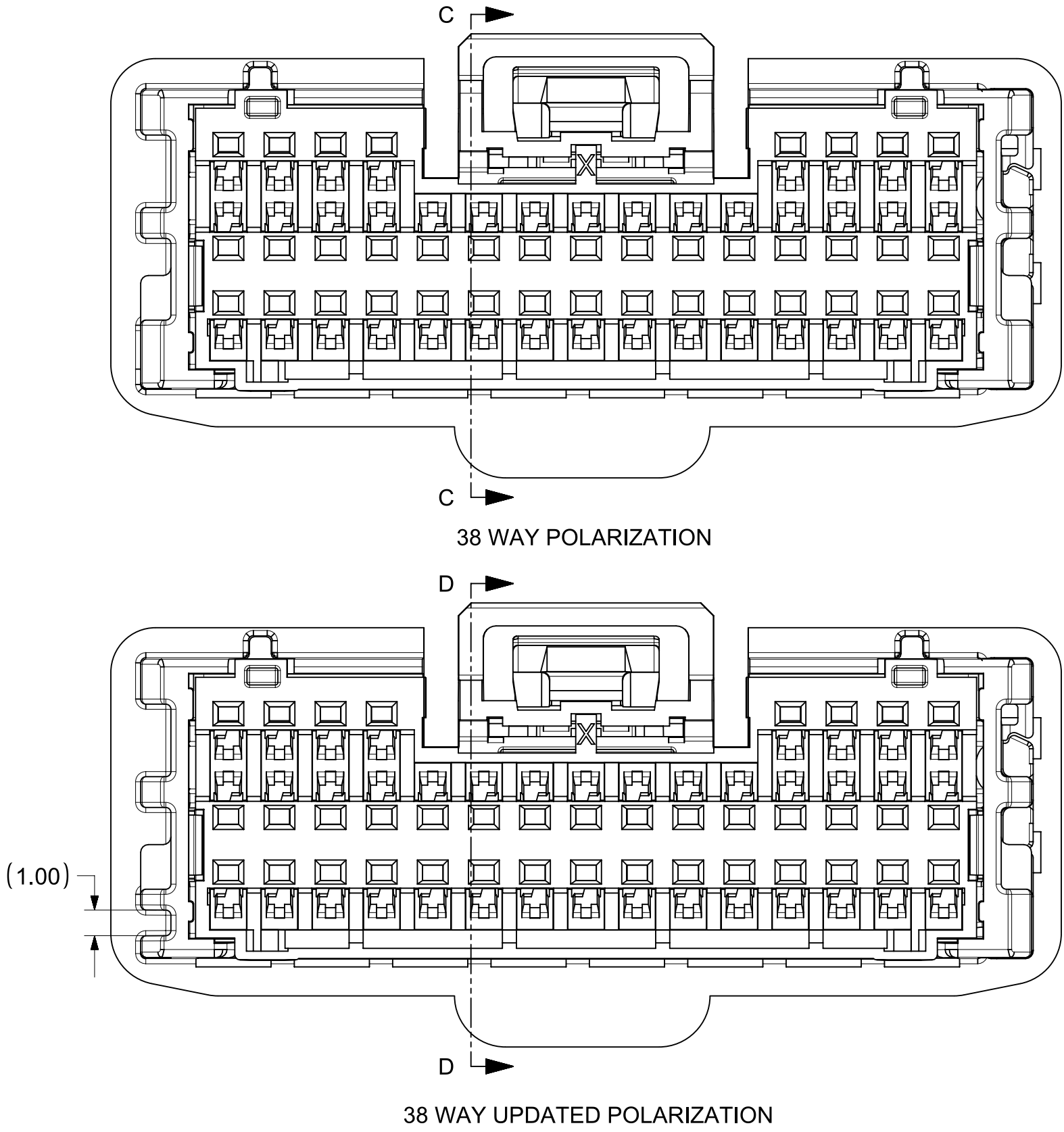
38 WAY POLARIZATIONOPTION 'UPDATED C'

|                                                                                                                                               |  |                                                      |  |                                                                                       |  |                                                                                                      |  |  |  |  |                                                                                           |  |          |  |                 |  |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|--|--|--|--|-------------------------------------------------------------------------------------------|--|----------|--|-----------------|--|----------------|--|--------------|--|
| 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: REFER TO THE REVISION COLUMN                                                       |  |  |  |  | <div>molex</div> <div>34/38 WAY MINI50 FEMALE<br/>RECEPTACLE ASSEMBLY SALES DRAWING</div> |  |          |  |                 |  |                |  |              |  |
| mm                                                                                                                                            |  | 5:1                                                  |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                 |  |                                                                                                      |  |  |  |  |                                                                                           |  |          |  |                 |  |                |  |              |  |
| ANGULAR TOL ± 1°                                                                                                                              |  |                                                      |  |                                                                                       |  |                                                                                                      |  |  |  |  |                                                                                           |  |          |  |                 |  |                |  |              |  |
| DIVISIONAL SYMBOLS                                                                                                                            |  | 4 PLACES ±                                           |  | 3 PLACES ±                                                                            |  | STATUS: Production<br>DRWN: Leo Li 2025-07-14<br>CHK'D: Leo Li 2025-07-24<br>APPR: wolffw 2025-07-24 |  |  |  |  | PRODUCT CUSTOMER DRAWING                                                                  |  |          |  |                 |  |                |  |              |  |
|                                                                                                                                               |  | 2 PLACES ±                                           |  | 1 PLACE ±                                                                             |  |                                                                                                      |  |  |  |  | DOCUMENT NUMBER                                                                           |  | DOC TYPE |  | DOC PART        |  | REVISION       |  |              |  |
|                                                                                                                                               |  | 0 PLACES ±                                           |  |                                                                                       |  |                                                                                                      |  |  |  |  | SD-34959-030                                                                              |  | PSD      |  | 001             |  | E3             |  |              |  |
|                                                                                                                                               |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION                                                                |  |                                                                                                      |  |  |  |  | DRAWING                                                                                   |  | SERIES   |  | MATERIAL NUMBER |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                               |  |                                                      |  |  |  |                                                                                                      |  |  |  |  | D-SIZE                                                                                    |  | 34959    |  | SEE TABLE       |  | GENERAL MARKET |  | 3 OF 5       |  |

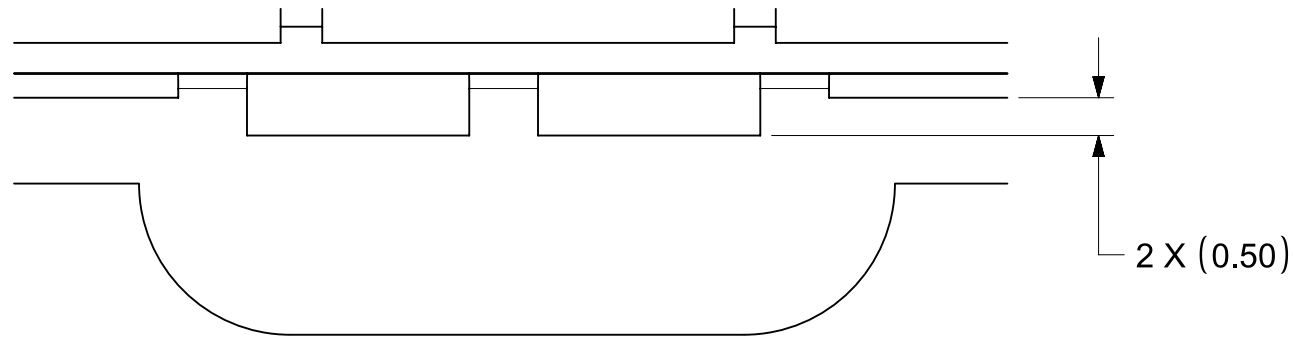
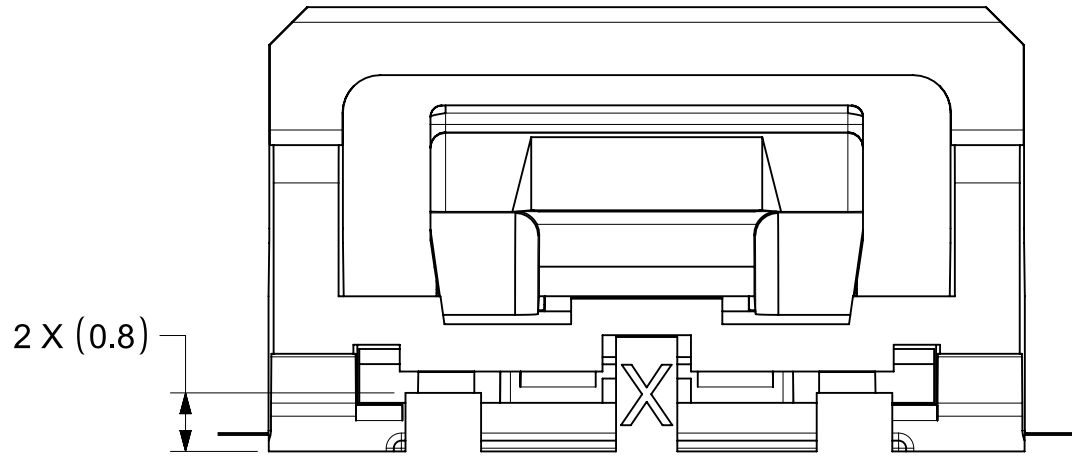
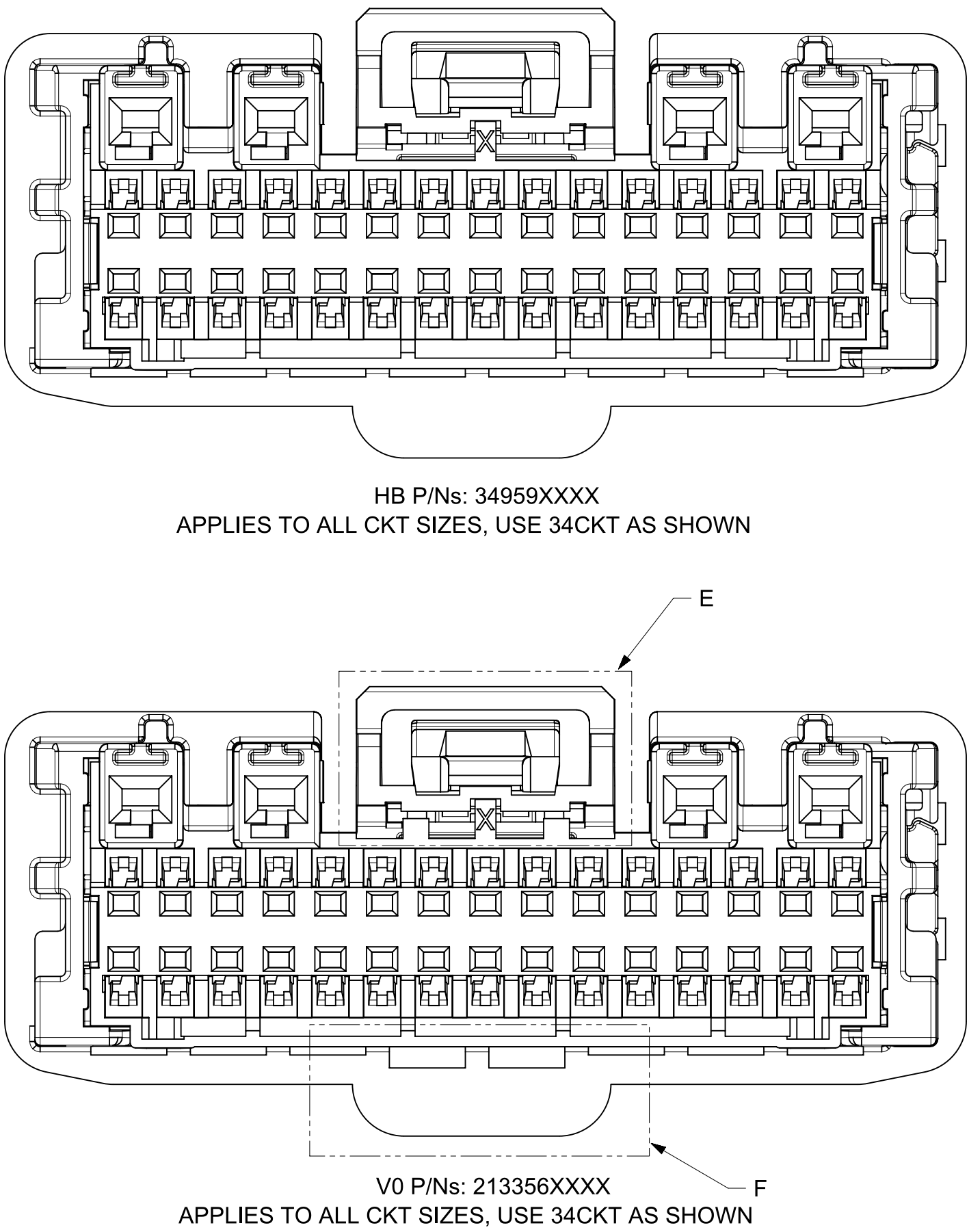


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| SHEET NO.         | SHEET DESCRIPTION                                                            |
| 4                 | POL A&B&C DIFFERENCE WITH UPDATED POL A&B&C VIEW; HB / V0 VERSION DIFFERENCE |

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



HB / V0 VERSION DIFFERENCE



| 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: REFER TO THE REVISION COLUMN                                            |  |                |  |
| <div>F<br/>A</div> = 0                                                                                                                        |  | mm                                                   |  | 5:1                    |  | <div>molex</div> <div>34/38 WAY MINI50 FEMALE<br/>RECEPTACLE ASSEMBLY SALES DRAWING</div> |  |                |  |
| <div>F<br/>C</div> = 0                                                                                                                        |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  |                        |  |                                                                                           |  |                |  |
| <div>F<br/>P</div> = 0                                                                                                                        |  | ANGULAR TOL ± 1°                                     |  |                        |  |                                                                                           |  |                |  |
| DIVISIONAL SYMBOLS                                                                                                                            |  | 4 PLACES                                             |  | ±                      |  |                                                                                           |  |                |  |
|                                                                                                                                               |  | 3 PLACES                                             |  | ±                      |  | PRODUCT CUSTOMER DRAWING                                                                  |  |                |  |
|                                                                                                                                               |  | 2 PLACES                                             |  | ±                      |  |                                                                                           |  |                |  |
|                                                                                                                                               |  | 1 PLACE                                              |  | ±                      |  |                                                                                           |  |                |  |
|                                                                                                                                               |  | 0 PLACES                                             |  | ±                      |  |                                                                                           |  |                |  |
|                                                                                                                                               |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION |  |                                                                                           |  |                |  |
|                                                                                                                                               |  |                                                      |  |                        |  | D-SIZE                                                                                    |  | 34959          |  |
|                                                                                                                                               |  |                                                      |  |                        |  | DOCUMENT NUMBER                                                                           |  | DOC TYPE       |  |
|                                                                                                                                               |  |                                                      |  |                        |  | SD-34959-030                                                                              |  | PSD            |  |
|                                                                                                                                               |  |                                                      |  |                        |  |                                                                                           |  | DOC PART       |  |
|                                                                                                                                               |  |                                                      |  |                        |  |                                                                                           |  | 001            |  |
|                                                                                                                                               |  |                                                      |  |                        |  |                                                                                           |  | REVISION       |  |
|                                                                                                                                               |  |                                                      |  |                        |  |                                                                                           |  | E3             |  |
|                                                                                                                                               |  |                                                      |  |                        |  | MATERIAL NUMBER                                                                           |  | CUSTOMER       |  |
|                                                                                                                                               |  |                                                      |  |                        |  | SEE TABLE                                                                                 |  | GENERAL MARKET |  |
|                                                                                                                                               |  |                                                      |  |                        |  |                                                                                           |  | SHEET NUMBER   |  |
|                                                                                                                                               |  |                                                      |  |                        |  |                                                                                           |  | 4 OF 5         |  |

molex

34/38 WAY MINI50 FEMALE  
RECEPTACLE ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING



|   |                   |                       |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |
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