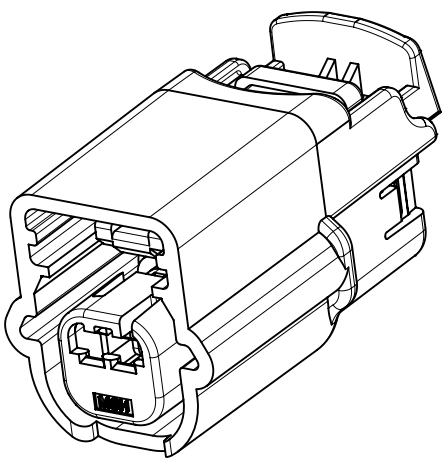
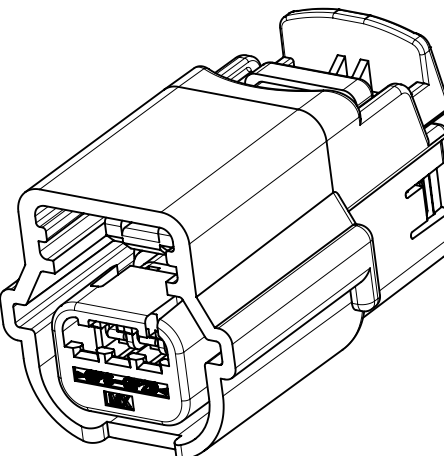
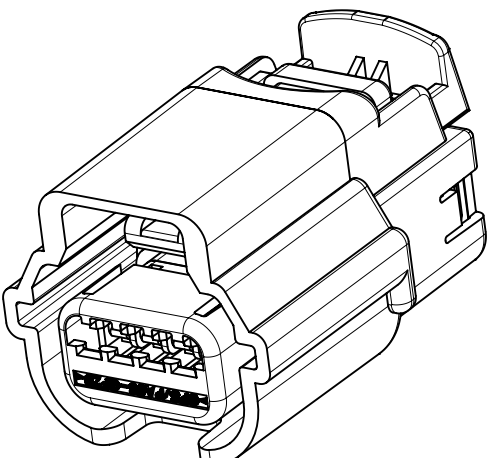




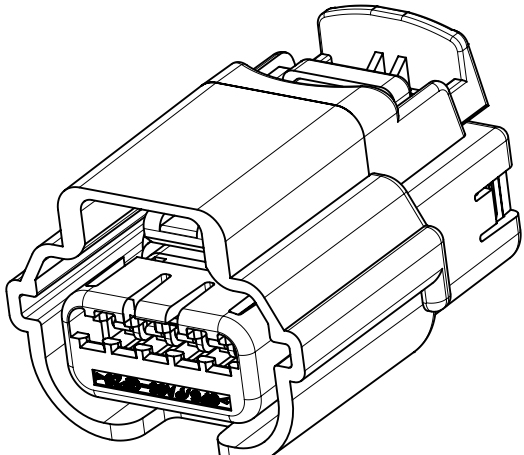
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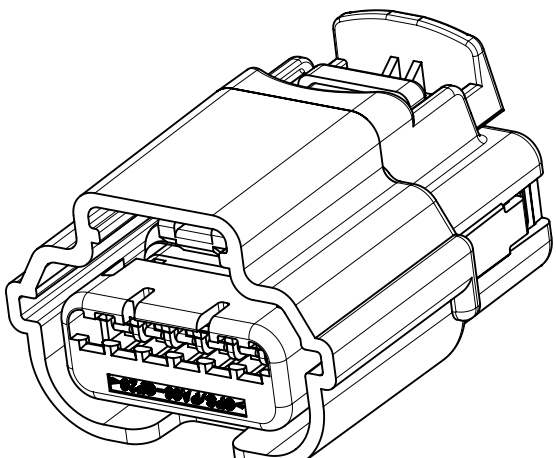
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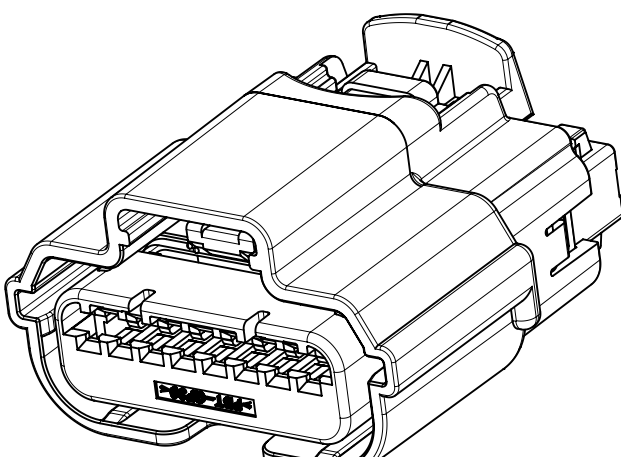
1X4



1X5



1X6



1X8

| TABLE OF CONTENTS |                                     |
|-------------------|-------------------------------------|
| SHEET NO.         | SHEET DESCRIPTION                   |
| 1                 | NOTES AND BOM                       |
| 2                 | CONNECTOR ASSEMBLY WITHOUT CLIPSLOT |
| 3                 | CONNECTOR ASSEMBLY WITH CLIPSLOT    |
| 4-5               | KEY CONFIGURATIONS                  |
| 6-9               | BOM                                 |

| DRAWING INFORMATION   |                                         |
|-----------------------|-----------------------------------------|
| DESCRIPTION           | DRAWING NO.                             |
| PRODUCT SPECIFICATION | PS-31402-000                            |
|                       | FOR 31404 1X8 REFER TO PS-31404-001-1X8 |
| PACKAGING             | PK-31300-256                            |
| SALES DRAWING         | SD-31402-211                            |
|                       | FOR 31404 1X8 REFER TO SD-31404-811     |
| TEST SUMMARY          | FOR 1X2 REFER TO TS-31402-001-1X2       |
|                       | FOR 1X3 REFER TO TS-31402-001-1X3       |
|                       | FOR 1X6 REFER TO TS-31402-001-1X6       |
|                       | FOR 31404 1X8 REFER TO TS-31404-001-1X8 |

| MATING INTERFACE DRAWING |                      |
|--------------------------|----------------------|
| DESCRIPTION              | INTERFACE DEFINITION |
| 1X2                      | *064-S-002-1-Z02     |
| 1X3                      | *064-S-003-1-Z01     |
| 1X4                      | *064-S-004-1-Z02     |
| 1X5                      | *064-S-005-1-Z02     |
| 1X6                      | *064-S-006-1-Z02     |
| 1X8                      | *064-S-008-1-Z02     |

## PART NUMBER LEGEND

### CONNECTOR ASSEMBLY

3140X-XXXX

- SEAL PLUG CONFIGURATION (AS MOLDED)
- 0 - ALL CIRCUITS OPEN
  - 1-9 SEE CHART
- CPA OPTION
- 0 OR 2 - WITHOUT CPA
  - 1 OR 3 - WITH CPA
  - 4 - WITHOUT CPA, WITH CLIPSLOT
  - 5 - WITH CPA, WITH CLIPSLOT
- USCAR POLARIZATION OPTION
- 1 - POLARIZATION OPTION A
  - 2 - POLARIZATION OPTION B
  - 3 - POLARIZATION OPTION C
  - 4 - POLARIZATION OPTION D
  - 5 - POLARIZATION OPTION B, BLACK
  - 6 - POLARIZATION OPTION C, BLACK
  - 7 - POLARIZATION OPTION D, BLACK
  - 8 - POLARIZATION OPTION C, NATURAL
  - 9 - POLARIZATION OPTION D, GRAY
  - 0 - POLARIZATION OPTION D, DARK GRAY
- CIRCUIT SIZE 2, 3, 4, 5, 6 & 8
- 6 - CIRCUIT SIZE 6, WITH 31412-6500 OR 31412-6501 RING SEAL (FOR 31402 AND 31403 SERIES)  
WITH 31412-6500 RING SEAL (FOR 31404 SERIES)
  - 7 - CIRCUIT SIZE 6, WITH 31412-6501 RING SEAL (FOR 31404 SERIES)
- TERMINAL OPTION
- 2 - TYCO/MOLEX GET 0.64
  - 3 - MOLEX 0.64
  - 4 - YAZAKI KAIZEN 0.64/TE GEN Y 0.64/JST AIT 0.64

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-31402-000
    - CONTAINS: SEE AS CONTENT
    - DESIGNED TO MATE WITH DEVICE OR CONNECTOR AS SPECIFIED IN THE MATING INTERFACE DRAWINGS CHART.
    - \*DENOTES DRAWINGS THAT CAN BE ACCESSED AT <<http://ewcap.uscarteams.org/>>.
    - ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION
    - (SEE PLR PRE-LOCK VIEW ON SHEET 2 SECTION A-A).
  - b. PRODUCT RELATED DRAWING REFER TO DRAWING INFORMATION CHART
  - c. TPA'S MAY BECOME SEATED DURING TRANSIT. IF THIS OCCURS, TPA'S SHOULD BE MOVED TO THE PRE-LOCKED POSITION PRIOR TO FEMALE TERMINAL INSTALLATION. REFERENCE PRODUCT SPECIFICATION: PS-34646-001
  - d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-301
  - e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
  - f. SYSTEM EXCEPT SERIES 31404 1X8 CIRCUIT TO BE USED WITH OUTSIDE WIRE DIAMETERS RANGING FROM 1.20MM TO 2.06MM WITHIN RANGE OF:
    - SAE 22 AWG TO 18 AWG PER ESB-M1L123-A2
    - ISO 0.35MM<sup>2</sup> TO 0.75MM<sup>2</sup> PER GMW15626 AND ES-AU5T-1A348-AA
  - g. POLARIZATION FEATURE EFFECTIVENESS PER USCAR-2 PARAGRAPH 5.4.4 IS REDUCED WHEN TESTING ALL POLARIZATION OPTIONS: 100N MIN.
  - h. SEE SHEET #3 FOR CONNECTOR ASSEMBLY WITH CLIPSLOP
  - i. FOR CLIPSLLOT CONNECTOR: CLIP OVERHANGS CONNECTOR, PLEASE CHECK APPLICATION (COULD CAUSE WIRE CHAFING)-SHORTER CLIP IS A RECOMMENDATION.

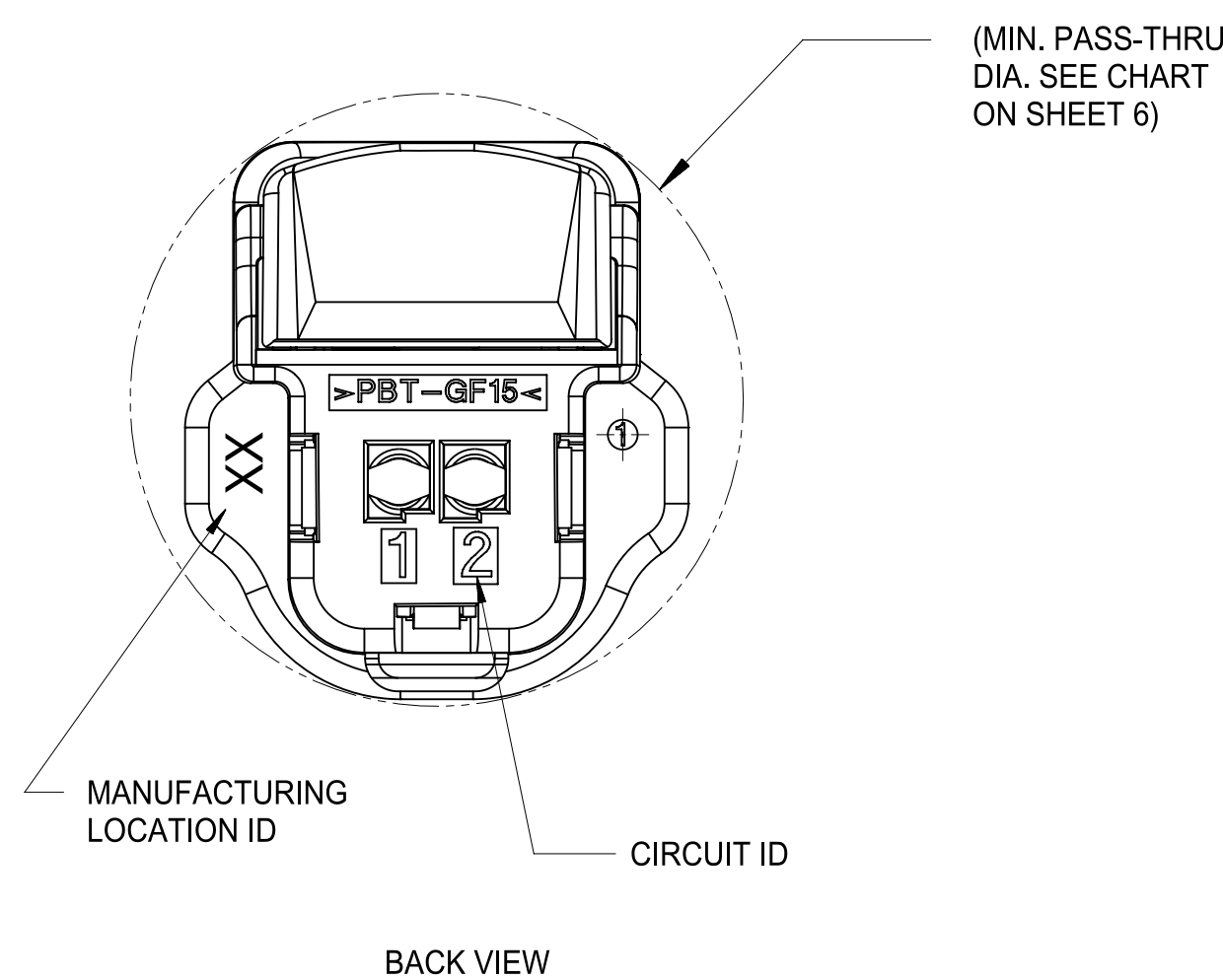
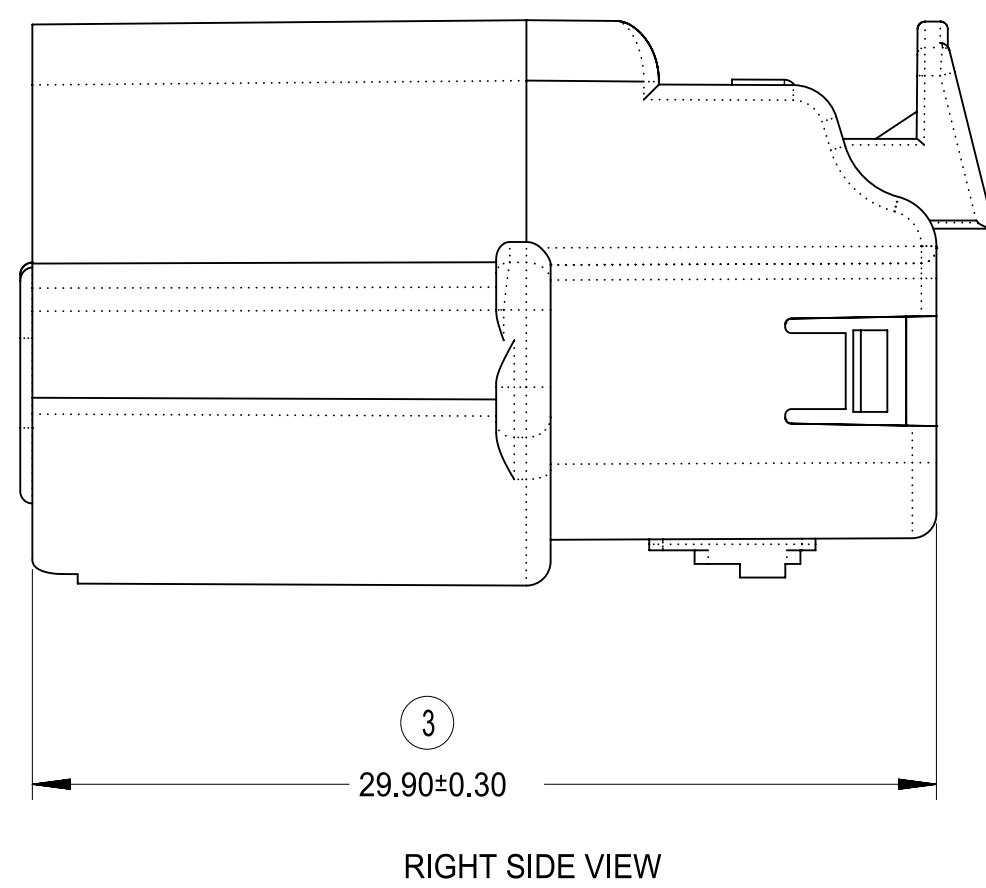
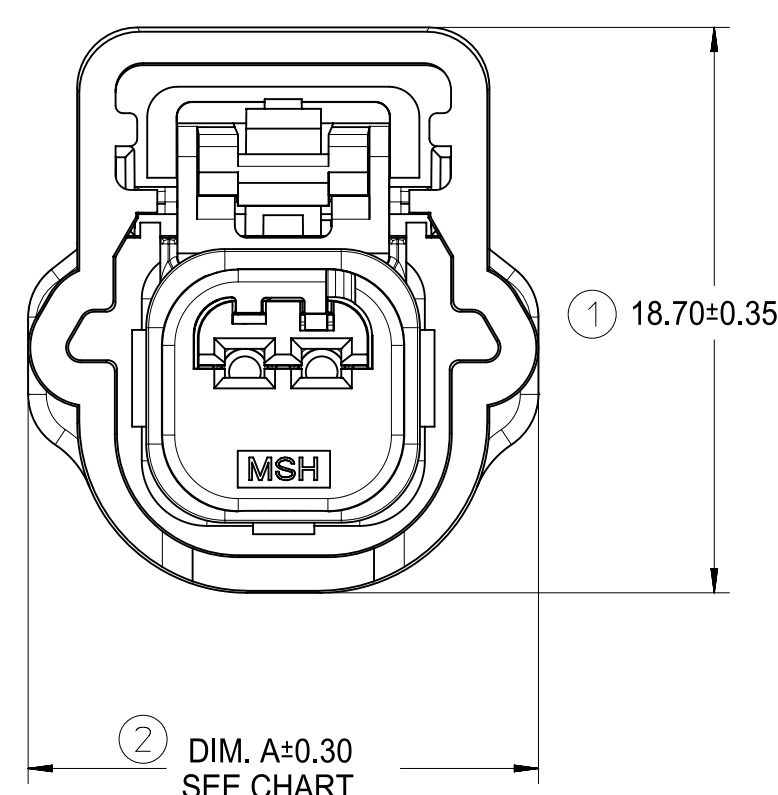
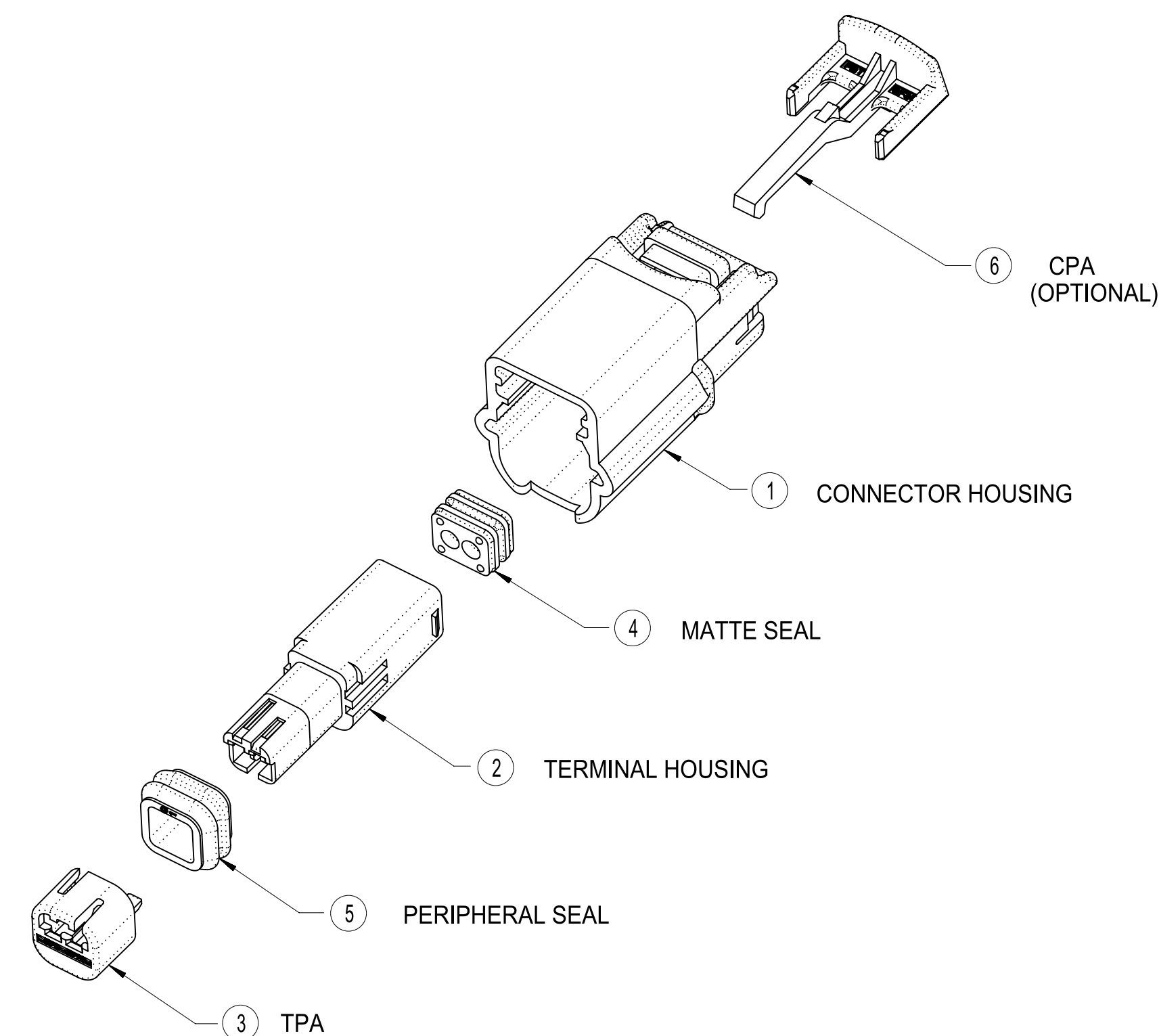
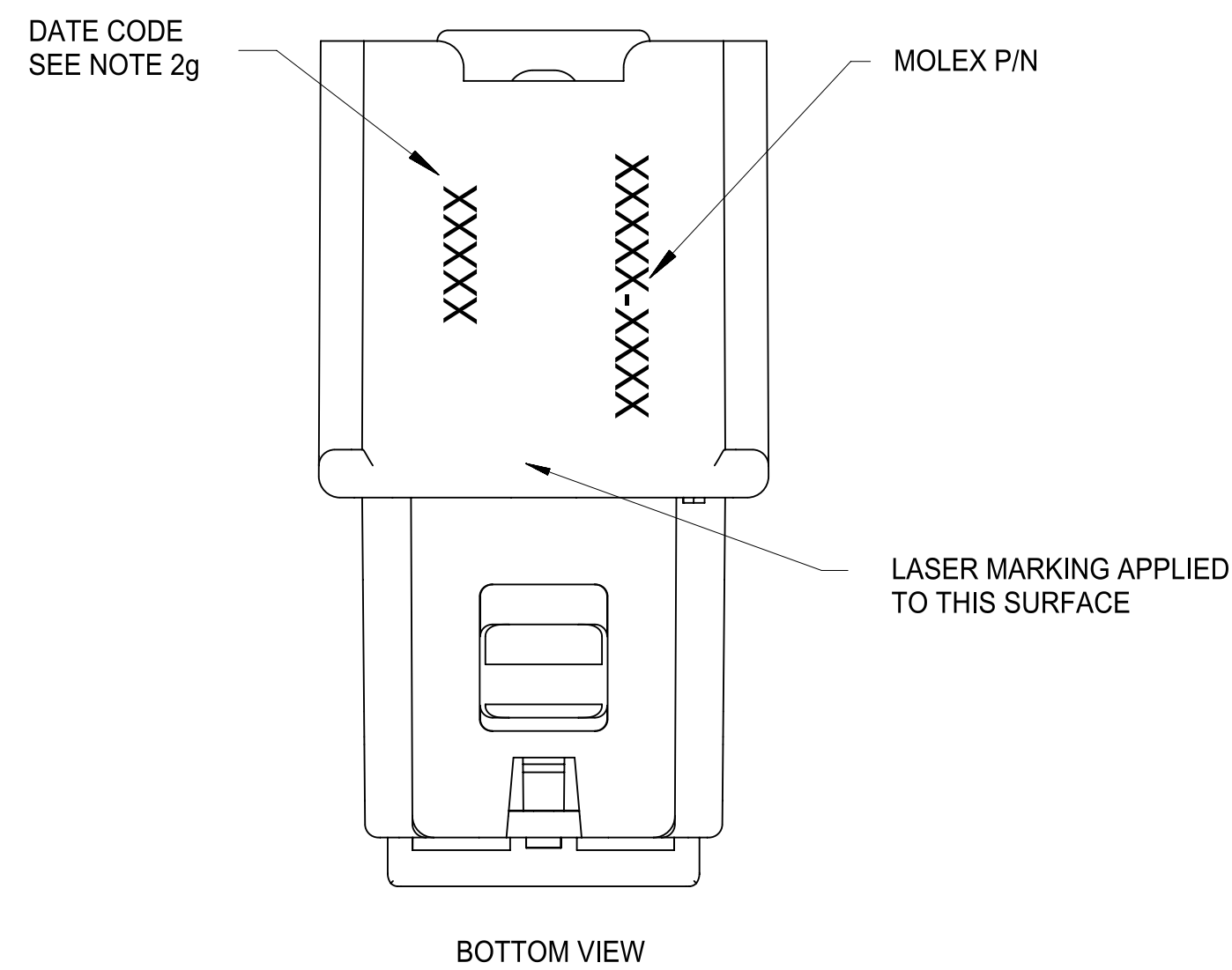
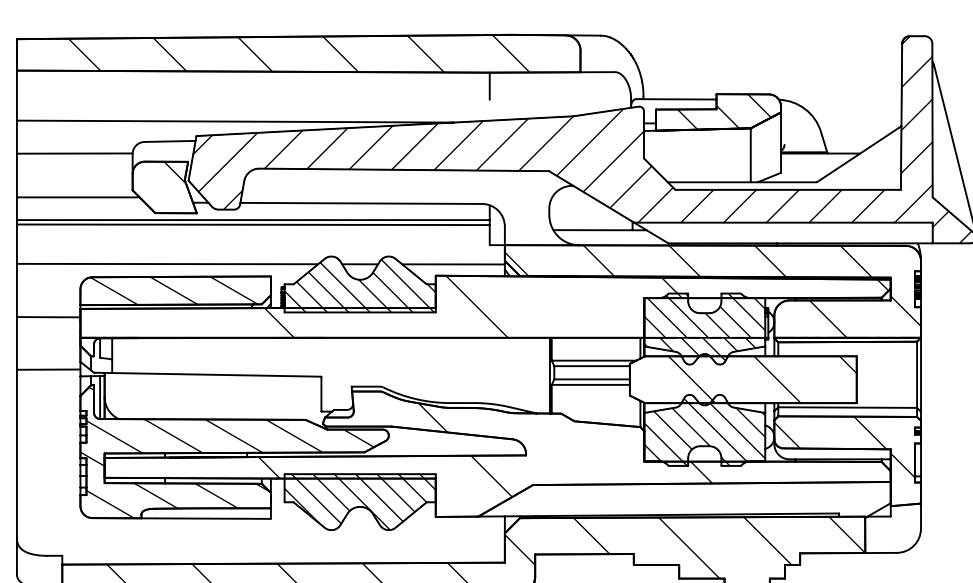
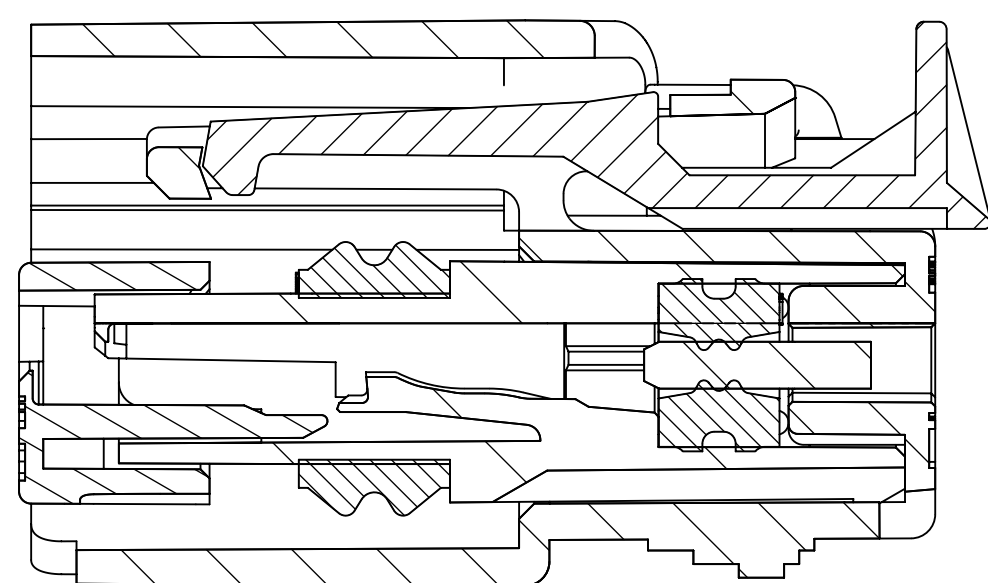
2. DESIGN - GEOMETRY:
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
  - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
  - 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 RADIUS IN 0.25 MAX RECESS PAD.  
THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION,  
AND CUSTOMER MATERIAL NUMBER.
  - f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).
  - g. DATE CODE: FIRST TWO DIGITS ARE THE CALENDAR YEAR (EXAMPLE: 04 = 2004). THIRD THROUGH FIFTH DIGIT DAY # OF THE CALENDAR YEAR (EXAMPLE: FEB. 3RD = '034').

|     |                                                                                                                                                                                                                                                                                                                                                                   |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U8  | ADD P/N: 31403-3102 & 31403-3112                                                                                                                                                                                                                                                                                                                                  |
| U7  | ADD P/N: 31402-6134 to 31402-6124                                                                                                                                                                                                                                                                                                                                 |
| U6  | ADD P/N: 31402-6001 to 31402-6006<br>31403-6001 to 31403-6006<br>31404-6001 to 31404-6012                                                                                                                                                                                                                                                                         |
| U5  | ADD P/N: 31402-6122/6123/6123/6133, 31403-6105/6115/6502/6512                                                                                                                                                                                                                                                                                                     |
| U4  | DELETE P/N 31402-2120/2130                                                                                                                                                                                                                                                                                                                                        |
| U3  | DELETE OBSOLETE P/Ns (31404-6XXX)<br>DELETE P/N WITH GREEN AND BROWN COLOR                                                                                                                                                                                                                                                                                        |
| U2  | ADD P/N: 31404-7126, 31404-7136                                                                                                                                                                                                                                                                                                                                   |
| U1  | ADD P/N: 31402-3115, 31402-3105                                                                                                                                                                                                                                                                                                                                   |
| U   | OBSOLETE P/N 31404-6XXX                                                                                                                                                                                                                                                                                                                                           |
| T8  | ADD P/N: 31404-7804, 31404-7814                                                                                                                                                                                                                                                                                                                                   |
| T7  | CHANGE STATUS FROM "TOOLED" TO "SALEABLE"<br>ADD P/N 31404-7135/7125, 31404-7216/7206, 31404-7913/7903                                                                                                                                                                                                                                                            |
| T6  | ADD P/N: 31404-7124, 31404-7134, 31404-7205, 31404-7215, 31404-7803, 31404-7813                                                                                                                                                                                                                                                                                   |
| T5  | ADD P/N: 31404-7123; 31404-7133; 31404-7902; 31404-7912                                                                                                                                                                                                                                                                                                           |
| T4  | ADD P/N:31402-2120,31402-2130,31402-3104,31402-3114,31402-6201,31402-6211,<br>31402-6301,31402-6311,31402-6401,31402-6411,31402-6501,31402-6511,<br>31402-6601,31402-6611,31402-6701,31402-6711,31403-6201,31403-6211,<br>31403-6301,31403-6311,31403-6401,31403-6411,31403-6501,31403-6511,<br>31403-6601,31403-6611,31403-6701,31403-6711,31404-6201,31404-6211 |
| T3  | UPDATE BOM INFORMATION ON SHEET 9                                                                                                                                                                                                                                                                                                                                 |
| T2  | DELETE 31402/31403-7*** P/N                                                                                                                                                                                                                                                                                                                                       |
| T   | ADD P/N 3140*-7XXXX FOR 1X6 WITH 31412-6501 RING SEAL VERSION ON SHEET 9                                                                                                                                                                                                                                                                                          |
| S   | ADD P/N: 31402-6131; 31402-6121                                                                                                                                                                                                                                                                                                                                   |
| R   | ADD P/N: 31404-3112; 31404-3102                                                                                                                                                                                                                                                                                                                                   |
| P   | ADD P/N: 31403-3132; 31403-3122                                                                                                                                                                                                                                                                                                                                   |
| M   | ADD P/N: 31402-6118; 31402-6108                                                                                                                                                                                                                                                                                                                                   |
| REV | REV DESCRIPTION                                                                                                                                                                                                                                                                                                                                                   |

|                                                                                                                                                                                                                                                                                                                                                                                     |                                          |  |                                                                              |                                                                                       |                                                                                                                               |                        |  |                                                                                 |        |                 |          |                |  |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|--|---------------------------------------------------------------------------------|--------|-----------------|----------|----------------|--|--------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                                                                                                                                                                                                       |                                          |  |                                                                              |                                                                                       |                                                                                                                               |                        |  |                                                                                 |        |                 |          |                |  |        |
| <div>FUNCTIONAL SYMBOLS</div> <div><div> = 0</div><div> = 0</div><div> = 0</div></div> <div>DIVISIONAL SYMBOLS</div> | DIMENSION UNITS                          |  | SCALE                                                                        |                                                                                       | CURRENT REV DESC: MX64 - 1x3 CVP PN's added                                                                                   |                        |  | <div>molex</div> <div>0.64 USCAR CONNECTOR<br/>SEALED SINGLE ROW ASSEMBLY</div> |        |                 |          |                |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     | MM                                       |  | 1:1                                                                          |                                                                                       |                                                                                                                               |                        |  |                                                                                 |        |                 |          |                |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  |                                                                              |                                                                                       | EC NO: CO-000021437<br>DRWN: Mario Gazca 07-Oct-2024<br>CHK'D: MAURICIO RUIZ 27-Feb-2025<br>APPR: Brittney Cotten 12-Mar-2025 |                        |  |                                                                                 |        |                 |          |                |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     | ANGULAR TOL ± 3°                         |  |                                                                              |                                                                                       |                                                                                                                               |                        |  |                                                                                 |        |                 |          |                |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     | 4 PLACES ± 0                             |  |                                                                              |                                                                                       |                                                                                                                               |                        |  |                                                                                 |        |                 |          |                |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     | 3 PLACES ± 0                             |  | INITIAL REVISION:<br>DRWN: RFC_PLMIMP 01-Mar-2004<br>APPR: PBERG 30-Sep-2004 |                                                                                       |                                                                                                                               |                        |  | DOCUMENT NUMBER                                                                 |        | DOC TYPE        | DOC PART | REVISION       |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     | 2 PLACES ± 0.13                          |  |                                                                              |                                                                                       |                                                                                                                               |                        |  | SD-31402-211                                                                    |        | PSD             | 001      | U8             |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     | 1 PLACE ± 0.3                            |  |                                                                              |                                                                                       |                                                                                                                               |                        |  |                                                                                 |        |                 |          |                |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     | 0 PLACES ± 0                             |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                   |                                                                                       |                                                                                                                               | THIRD ANGLE PROJECTION |  | DRAWING                                                                         | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER   |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                     |                                          |  |                                                                              |  |                                                                                                                               | D-SIZE                 |  | 31402                                                                           |        |                 |          | GENERAL MARKET |  | 1 OF 8 |

|                 |            |              |             |          |
|-----------------|------------|--------------|-------------|----------|
| DOCUMENT STATUS | Production | RELEASE DATE | 12-Mar-2025 | 02:34:41 |
|-----------------|------------|--------------|-------------|----------|

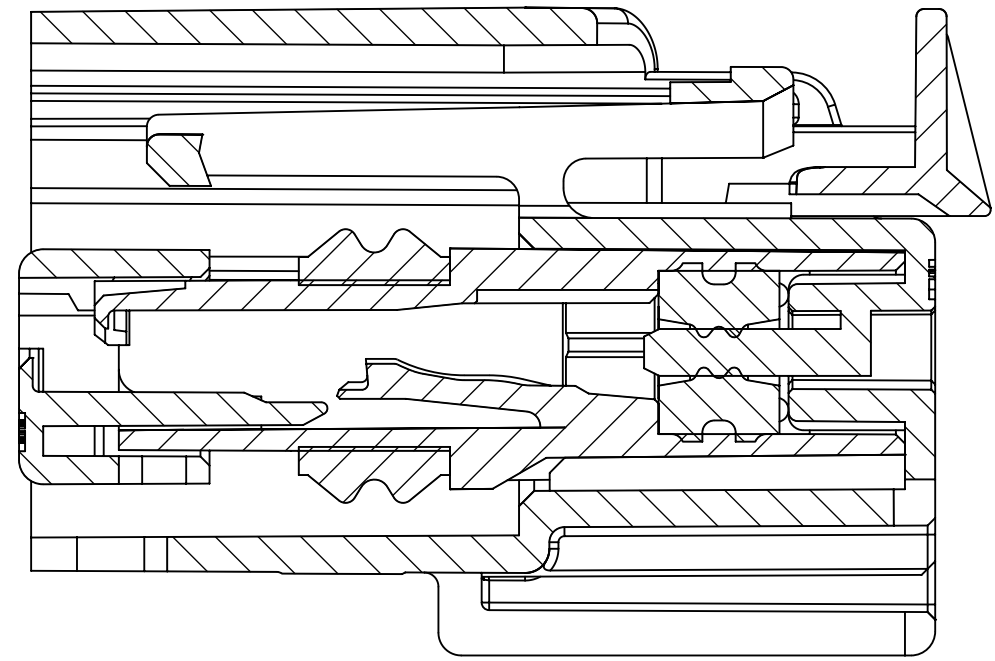




| ITEM | DESCRIPTION       | COLOR     | MATERIAL        |
|------|-------------------|-----------|-----------------|
| 1    | CONNECTOR HOUSING | SEE CHART | PBT GF15        |
| 2    | TERMINAL HOUSING  | BLACK     | SPS/PA66 GF30   |
| 3    | TPA               | NATURAL   | SPS/PA66 GF20   |
| 4    | MATTE SEAL        | SEE CHART | SILICONE RUBBER |
| 5    | PERIPHERAL SEAL   | SEE CHART | SILICONE RUBBER |
| 6    | CPA - OPTIONAL    | RED       | PBT GF30        |

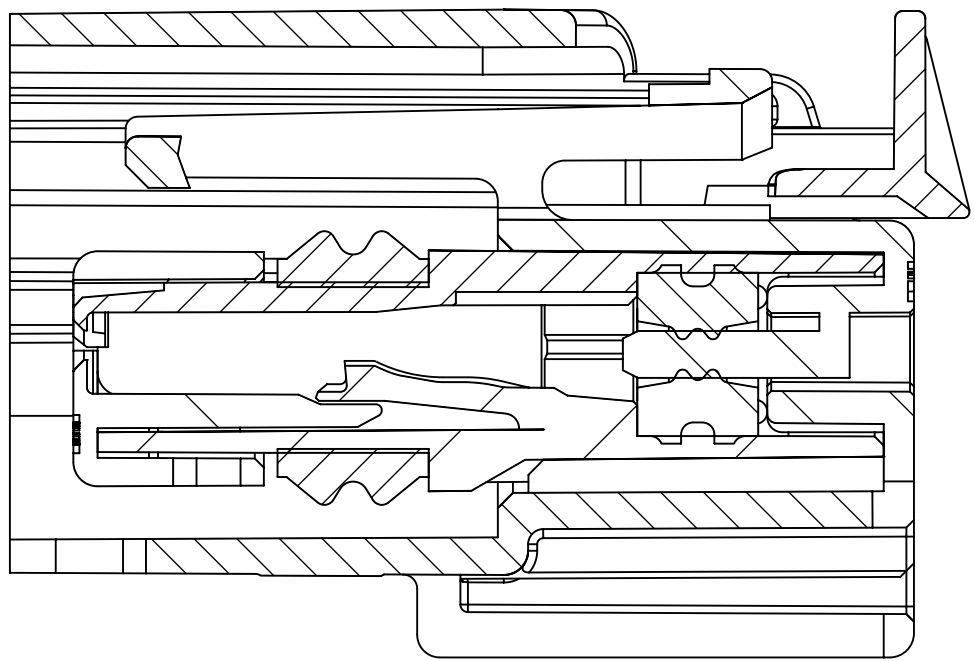
|                                                                                                                                                                                                                                                      |                                                                                                                                               |  |        |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------|--|--|--------------------------------------------|--------|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| FUNCTIONAL SYMBOLS<br><br><div><div>F</div><div>A</div><div>=</div><div>0</div></div><br><div><div>F</div><div>C</div><div>=</div><div>0</div></div><br><div><div>F</div><div>E</div><div>=</div><div>0</div></div><br><div>DIVISIONAL SYMBOLS</div> | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |                                   |                                                                                                                                                                                                               |  |  |         |  |  | CURRENT REV DESC: MX64 - 1x3 CVP PNs added |        |  |  |  |  |  |  |  |  | <div>molex</div> <div>0.64 USCAR CONNECTOR<br/>SEALED SINGLE ROW ASSEMBLY</div> <div>PRODUCT CUSTOMER DRAWING</div> <div><div>DOCUMENT NUMBER</div><div>DOC TYPE</div><div>DOC PART</div><div>REVISION</div><div>SD-31402-211</div><div>PSD</div><div>001</div><div>U8</div></div> <div><div>MATERIAL NUMBER</div><div>CUSTOMER</div><div>SHEET NUMBER</div><div></div><div>GENERAL MARKET</div><div>2 OF 8</div></div> |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | DIMENSION UNITS                                                                                                                               |  | SCALE  |                                   | EC NO: CO-000021437<br>DRWN: Mario Gazca 07-Oct-2024<br>CHK'D: MAURICIO RUIZ 27-Feb-2025<br>APPR: Brittney Cotter 12-Mar-2025<br>INITIAL REVISION:<br>DRWN: RFC_PLMIMP 01-Mar-2004<br>APPR: PBERG 30-Sep-2004 |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | MM                                                                                                                                            |  | 1:1    |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | ANGULAR TOL                                                                                                                                   |  | ± 3°   |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | 4 PLACES                                                                                                                                      |  | ± 0    |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | 3 PLACES                                                                                                                                      |  | ± 0    |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | 2 PLACES                                                                                                                                      |  | ± 0.13 |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | 1 PLACE                                                                                                                                       |  | ± 0.3  |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      | 0 PLACES                                                                                                                                      |  | ± 0    |                                   |                                                                                                                                                                                                               |  |  |         |  |  |                                            |        |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                           |                                                                                                                                               |  |        | THIRD ANGLE PROJECTION            |                                                                                                                                                                                                               |  |  | DRAWING |  |  |                                            | SERIES |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                      |                                                                                                                                               |  |        | <div><div></div><div></div></div> |                                                                                                                                                                                                               |  |  | D-SIZE  |  |  |                                            | 31402  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |





SECTION C-C

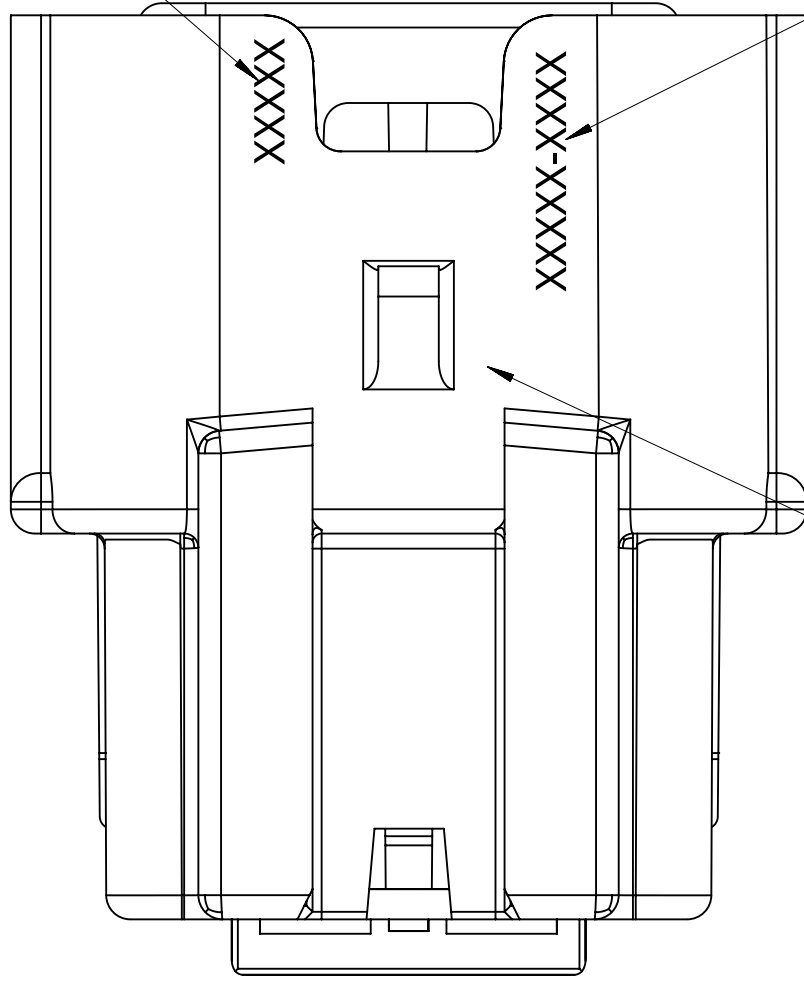
TPA SHOWN IN AS-SHIPPED  
PRE-LOCKED POSITION  
SEE NOTE 1c



SECTION C-C

TPA SHOWN IN FINAL  
LOCKED POSITION

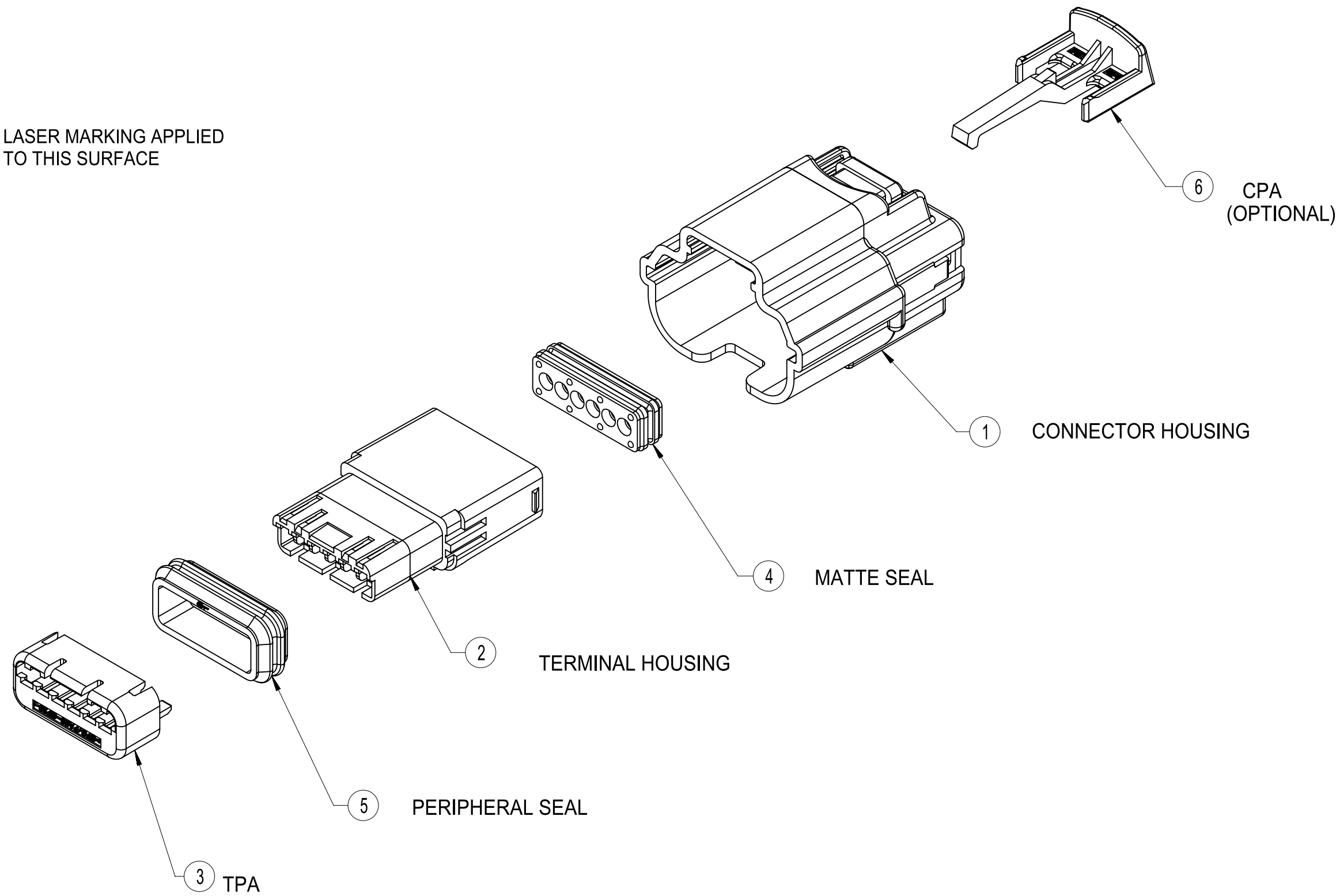
DATE CODE  
SEE NOTE 2g



MOLEX P/N

LASER MARKING APPLIED  
TO THIS SURFACE

BOTTOM VIEW



CPA  
(OPTIONAL)

CONNECTOR HOUSING

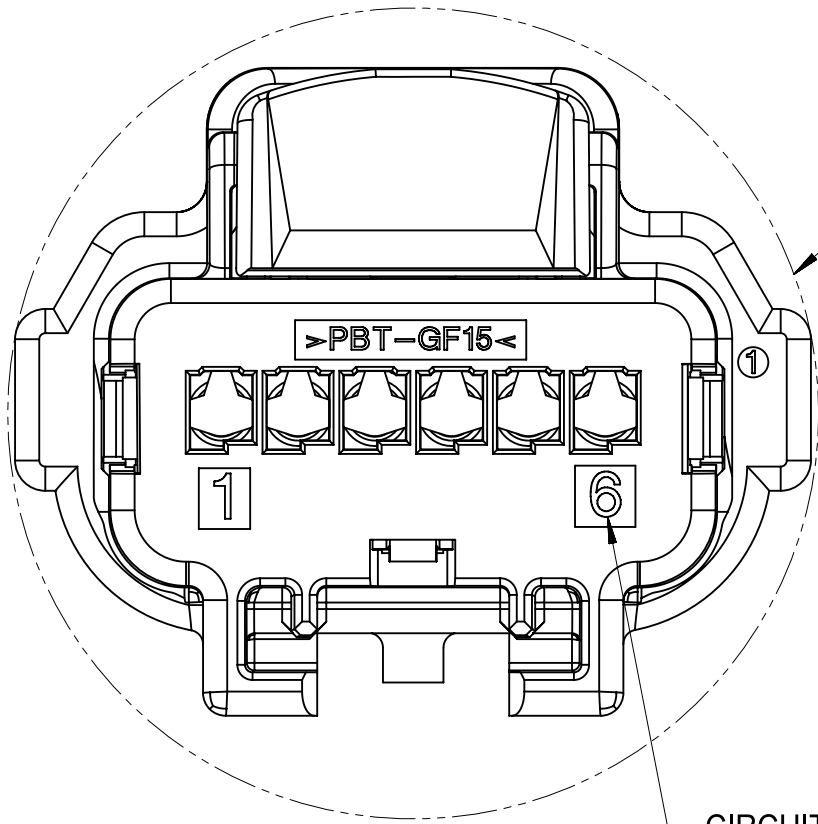
MATTE SEAL

TERMINAL HOUSING

PERIPHERAL SEAL

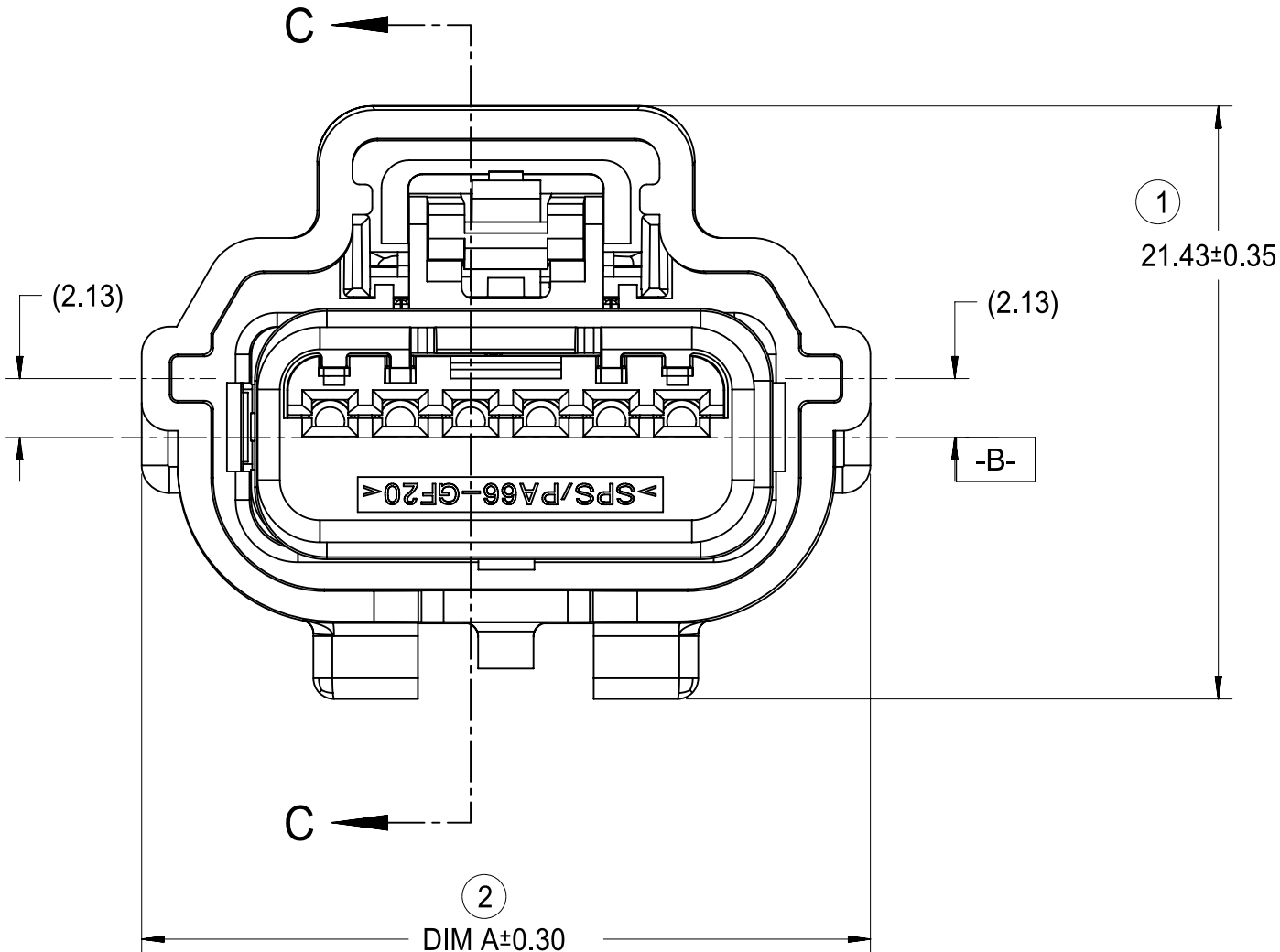
TPA

(MIN. PASS-THRU  
DIA. SEE CHART  
ON SHEET 7)



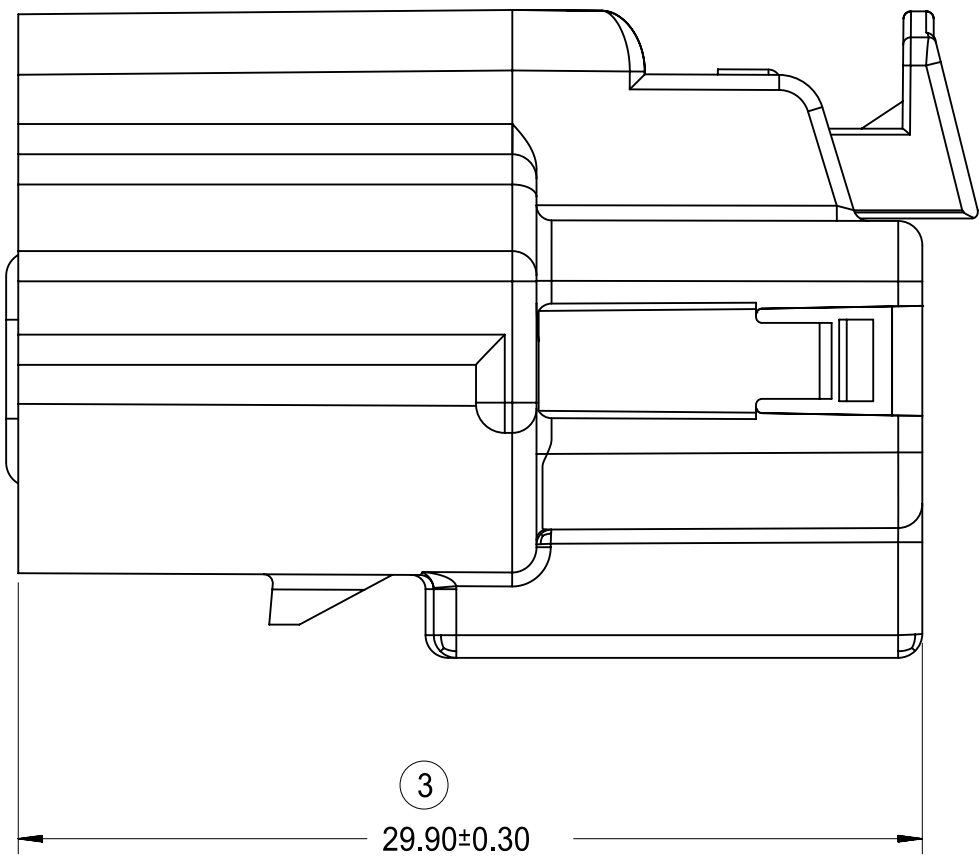
BACK VIEW

CIRCUIT ID



FRONT VIEW

POLARIZATION A



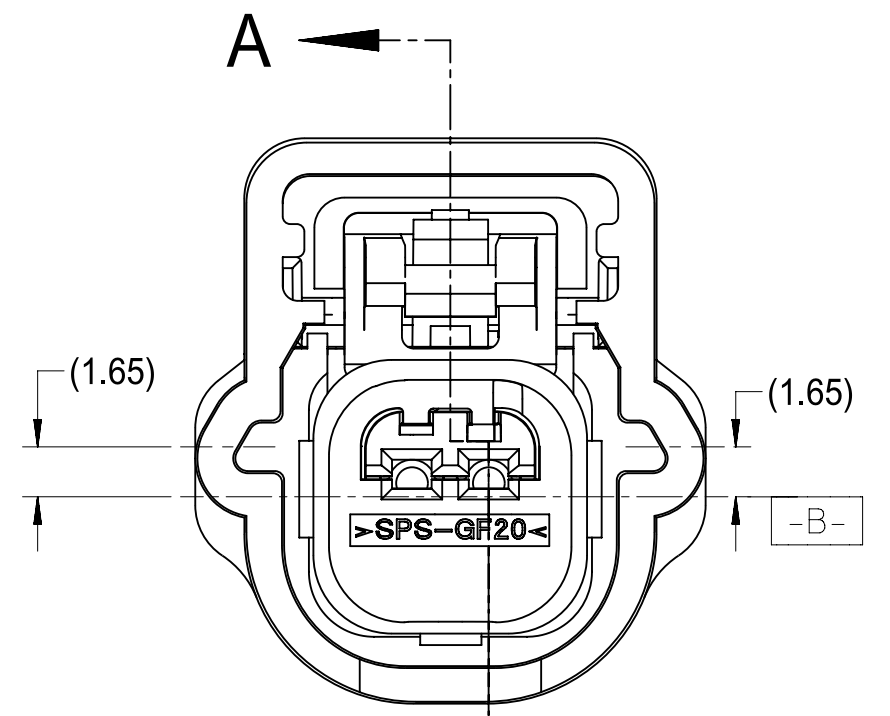
RIGHT SIDE VIEW

| ITEM | DESCRIPTION       | COLOR     | MATERIAL        |
|------|-------------------|-----------|-----------------|
| 1    | CONNECTOR HOUSING | SEE CHART | PBT GF15        |
| 2    | TERMINAL HOUSING  | BLACK     | SPS/PA66 GF30   |
| 3    | TPA               | NATURAL   | SPS/PA66 GF20   |
| 4    | MATTE SEAL        | SEE CHART | SILICONE RUBBER |
| 5    | PERIPHERAL SEAL   | SEE CHART | SILICONE RUBBER |
| 6    | CPA - OPTIONAL    | RED       | PBT GF30        |

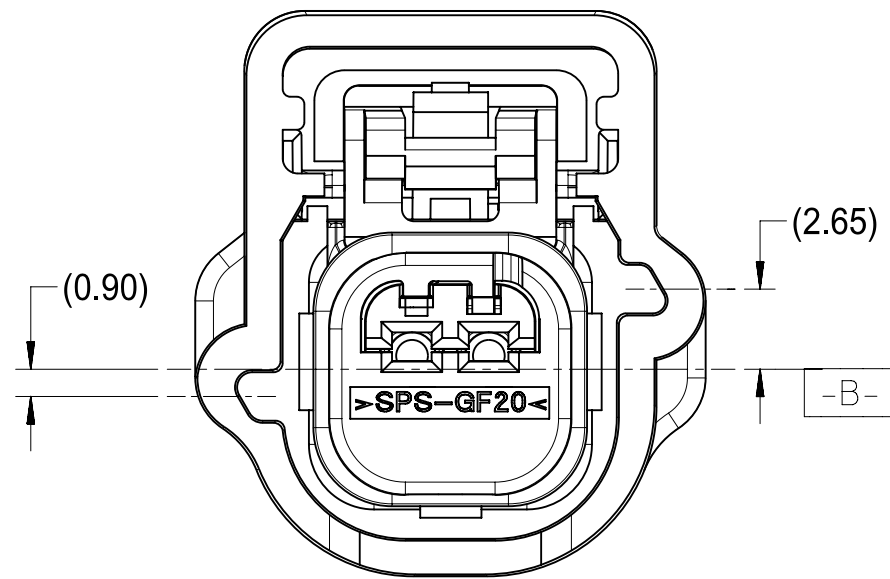
|                            |                                                                                                                                               |  |        |  |                                                                                                                               |        |  |       |  |                                                    |  |                |  |          |  |                 |  |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-------------------------------------------------------------------------------------------------------------------------------|--------|--|-------|--|----------------------------------------------------|--|----------------|--|----------|--|-----------------|--|
| 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: MX64 - 1x3 CVP PNs added                                                                                    |        |  |       |  | <div>molex</div>                                   |  |                |  |          |  |                 |  |
|                            |                                                                                                                                               |  |        |  |                                                                                                                               |        |  |       |  |                                                    |  |                |  |          |  |                 |  |
| <div><div>A</div>= 0</div> | MM                                                                                                                                            |  | 1:1    |  | EC NO: CO-000021437<br>DRWN: Mario Gazca 07-Oct-2024<br>CHK'D: MAURICIO RUIZ 27-Feb-2025<br>APPR: Brittney Cotter 12-Mar-2025 |        |  |       |  | 0.64 USCAR CONNECTOR<br>SEALED SINGLE ROW ASSEMBLY |  |                |  |          |  |                 |  |
| <div><div>C</div>= 0</div> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  |                                                                                                                               |        |  |       |  |                                                    |  |                |  |          |  |                 |  |
| <div><div>P</div>= 0</div> | ANGULAR TOL ± 3°                                                                                                                              |  |        |  |                                                                                                                               |        |  |       |  |                                                    |  |                |  |          |  |                 |  |
| DIVISIONAL SYMBOLS         | 4 PLACES                                                                                                                                      |  | ± 0    |  | INITIAL REVISION:<br>DRWN: RFC_PLMIMP 01-Mar-2004<br>APPR: PBERG 30-Sep-2004                                                  |        |  |       |  | DOCUMENT NUMBER                                    |  | DOC TYPE       |  | DOC PART |  | REVISION        |  |
|                            | 3 PLACES                                                                                                                                      |  | ± 0    |  |                                                                                                                               |        |  |       |  | SD-31402-211                                       |  | PSD            |  | 001      |  | U8              |  |
|                            | 2 PLACES                                                                                                                                      |  | ± 0.13 |  |                                                                                                                               |        |  |       |  |                                                    |  |                |  |          |  |                 |  |
|                            | 1 PLACE                                                                                                                                       |  | ± 0.3  |  |                                                                                                                               |        |  |       |  |                                                    |  |                |  |          |  |                 |  |
|                            | 0 PLACES                                                                                                                                      |  | ± 0    |  |                                                                                                                               |        |  |       |  |                                                    |  |                |  |          |  |                 |  |
|                            | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  |                                                                                                                               |        |  |       |  | THIRD ANGLE PROJECTION                             |  | DRAWING        |  | SERIES   |  | MATERIAL NUMBER |  |
|                            |                                                                                                                                               |  |        |  |                                                                                                                               | D-SIZE |  | 31402 |  |                                                    |  | GENERAL MARKET |  | 3 OF 8   |  |                 |  |



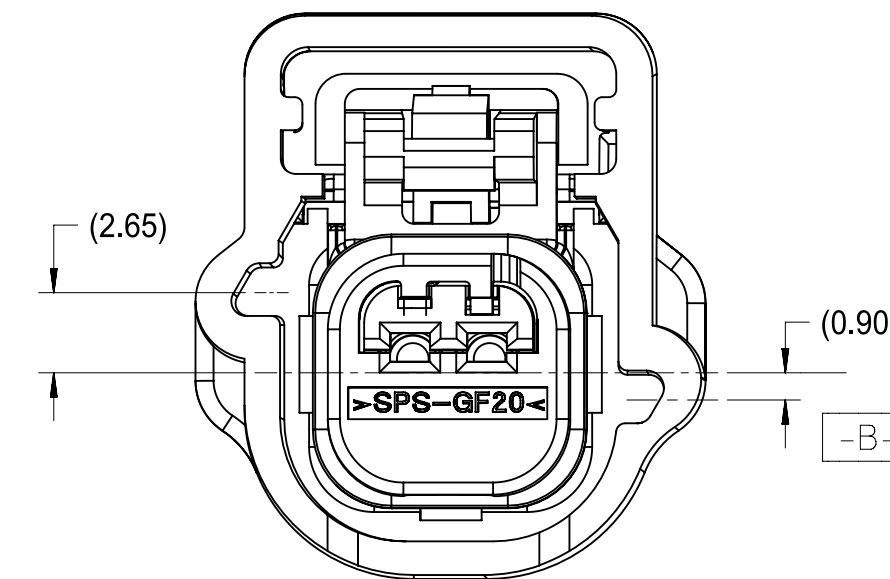
1X2



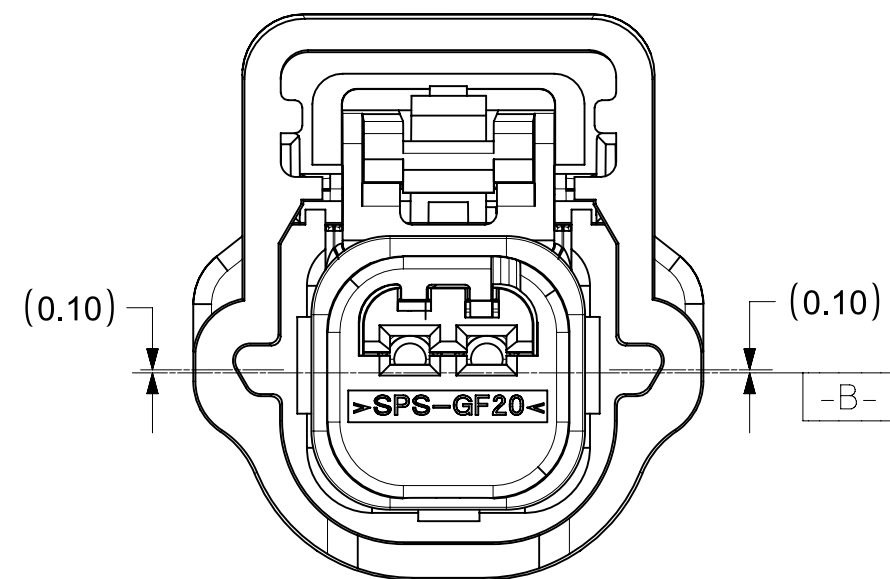
**A**   
FRONT VIEW  
POLARIZATION A



POLARIZATION B

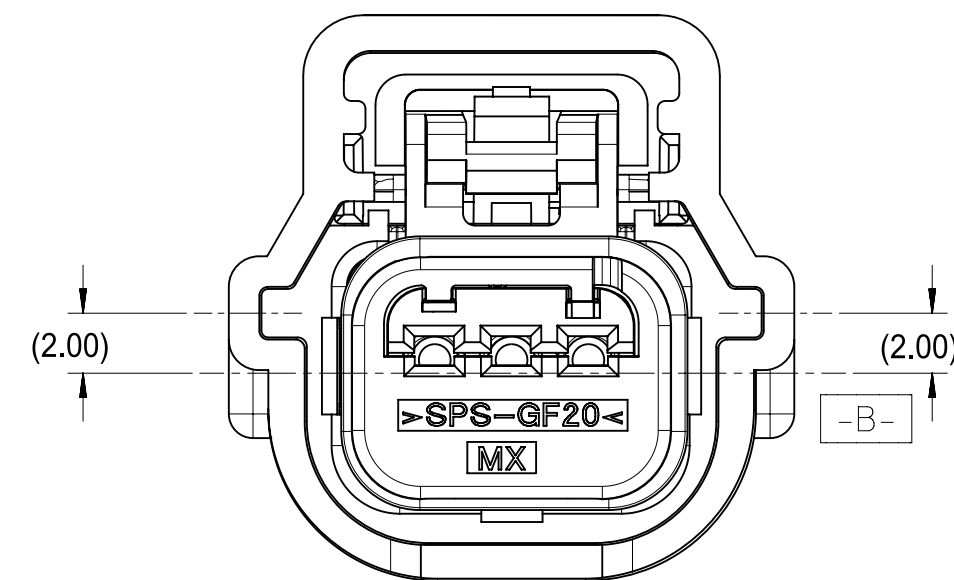


POLARIZATION C

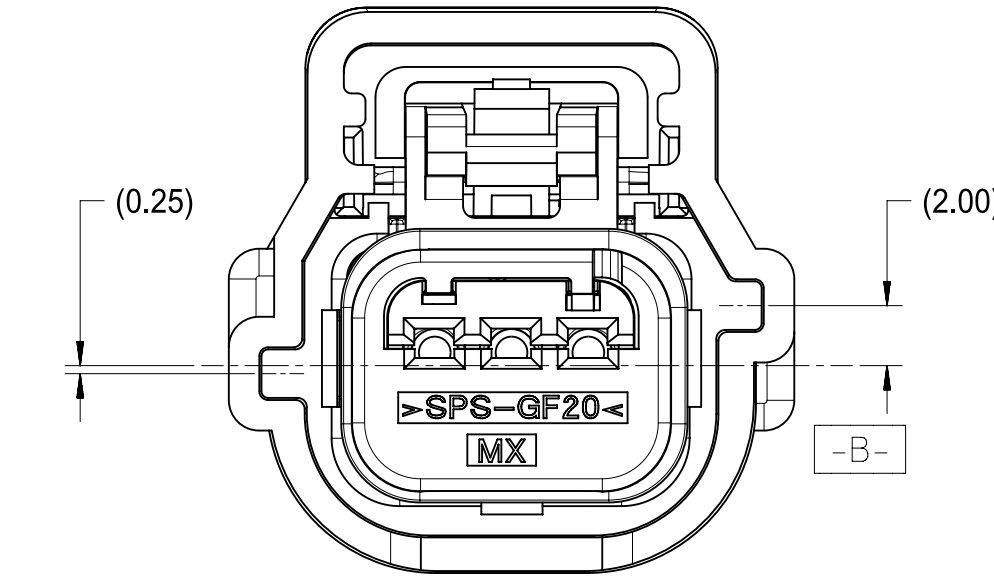


POLARIZATION D

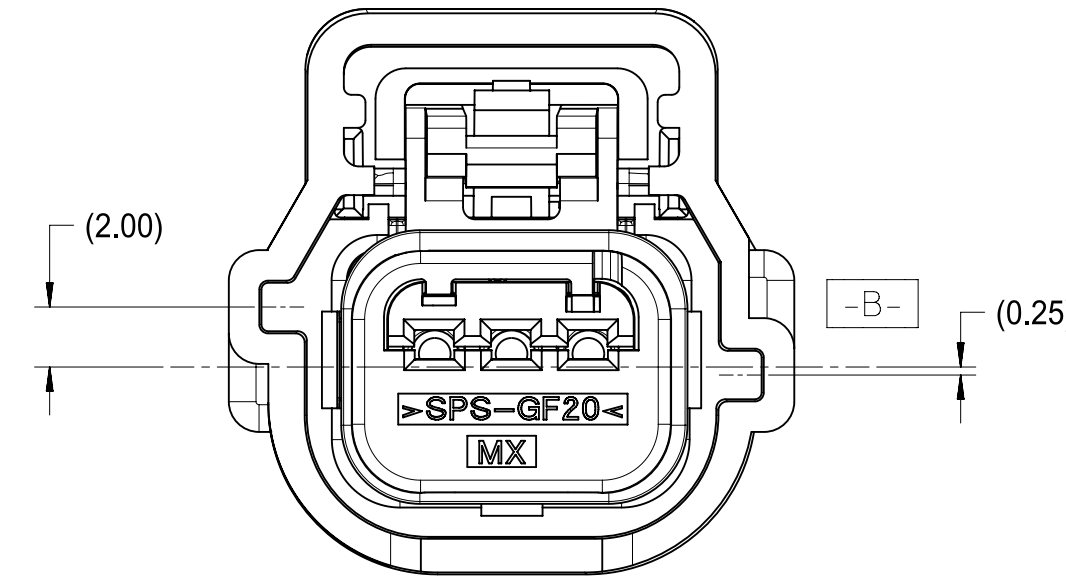
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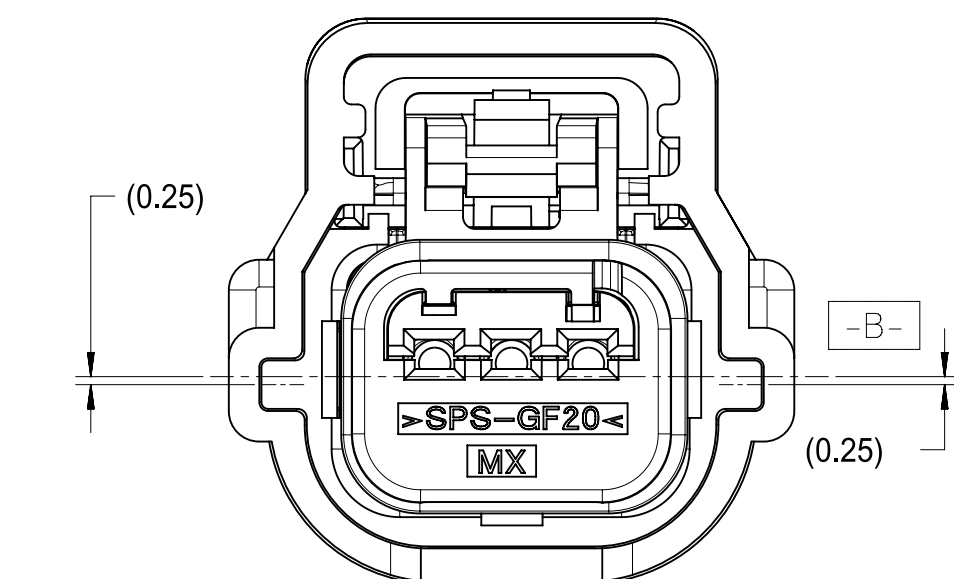
POLARIZATION A



POLARIZATION B

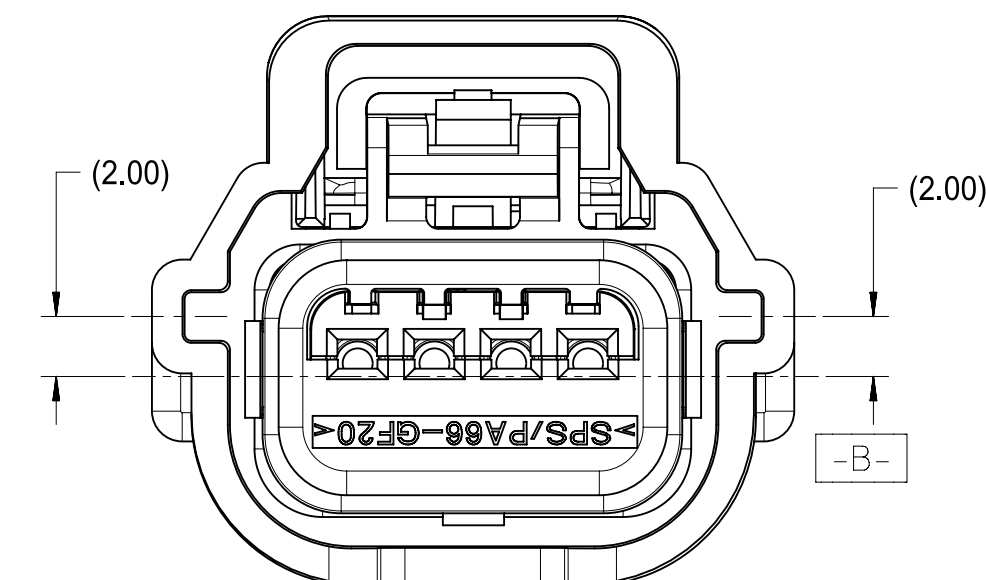


POLARIZATION C



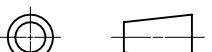
POLARIZATION D

1X4



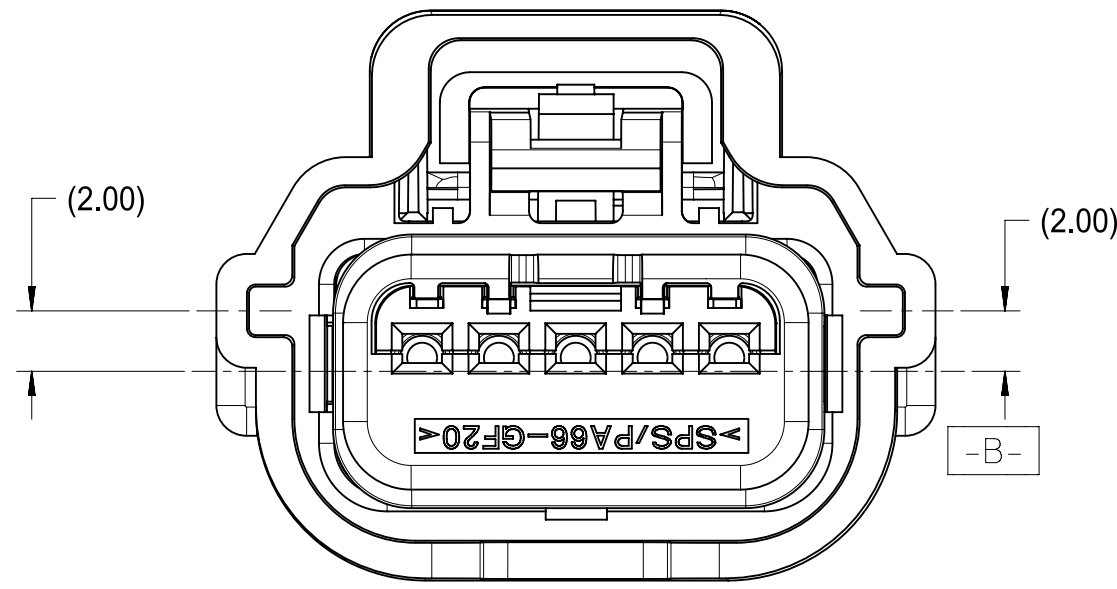
POLARIZATION A

## KEY CONFIGURATIONS

|                                                            |  |                                                                                                                                               |  |         |  |                                            |  |                 |  |                                                                                 |  |              |  |
|------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------|--|--------------------------------------------|--|-----------------|--|---------------------------------------------------------------------------------|--|--------------|--|
| FUNCTIONAL SYMBOLS                                         |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |         |  |                                            |  |                 |  |                                                                                 |  |              |  |
| <div><div>F<sub>A</sub></div>= 0</div>                     |  | DIMENSION UNITS                                                                                                                               |  | SCALE   |  | CURRENT REV DESC: MX64 - 1x3 CVP PNs added |  |                 |  | <div>molex</div> <div>0.64 USCAR CONNECTOR<br/>SEALED SINGLE ROW ASSEMBLY</div> |  |              |  |
| <div><div>F<sub>C</sub></div>= 0</div>                     |  | MM                                                                                                                                            |  | 1:1     |  |                                            |  |                 |  |                                                                                 |  |              |  |
| <div><div>F<sub>D</sub></div>= 0</div>                     |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |         |  | EC NO: CO-000021437                        |  |                 |  |                                                                                 |  |              |  |
| DIVISIONAL SYMBOLS                                         |  | ANGULAR TOL ± 3°                                                                                                                              |  |         |  | DRWN: Mario Gazca 07-Oct-2024              |  |                 |  |                                                                                 |  |              |  |
|                                                            |  | 4 PLACES                                                                                                                                      |  | ± 0     |  | CHK'D: MAURICIO RUIZ 27-Feb-2025           |  |                 |  |                                                                                 |  |              |  |
|                                                            |  | 3 PLACES                                                                                                                                      |  | ± 0     |  | APPR: Brittney Cotter 12-Mar-2025          |  |                 |  |                                                                                 |  |              |  |
|                                                            |  | 2 PLACES                                                                                                                                      |  | ± 0.13  |  | INITIAL REVISION:                          |  |                 |  |                                                                                 |  |              |  |
|                                                            |  | 1 PLACE                                                                                                                                       |  | ± 0.3   |  | DRWN: RFC_PLMIMP 01-Mar-2004               |  |                 |  |                                                                                 |  |              |  |
|                                                            |  | 0 PLACES                                                                                                                                      |  | ± 0     |  | APPR: PBERG 30-Sep-2004                    |  |                 |  |                                                                                 |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION                                                                                                                        |  | DRAWING |  | SERIES                                     |  | MATERIAL NUMBER |  | CUSTOMER                                                                        |  | SHEET NUMBER |  |
|                                                            |  |                                                          |  | D-SIZE  |  | 31402                                      |  |                 |  | GENERAL MARKET                                                                  |  | 4 OF 8       |  |

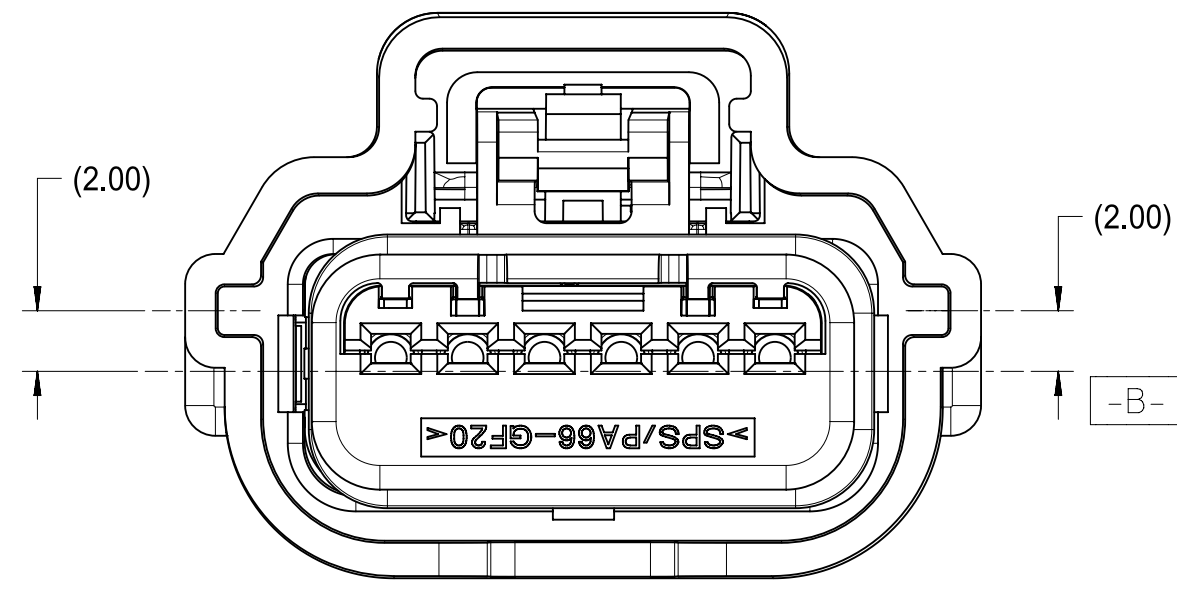


1X5

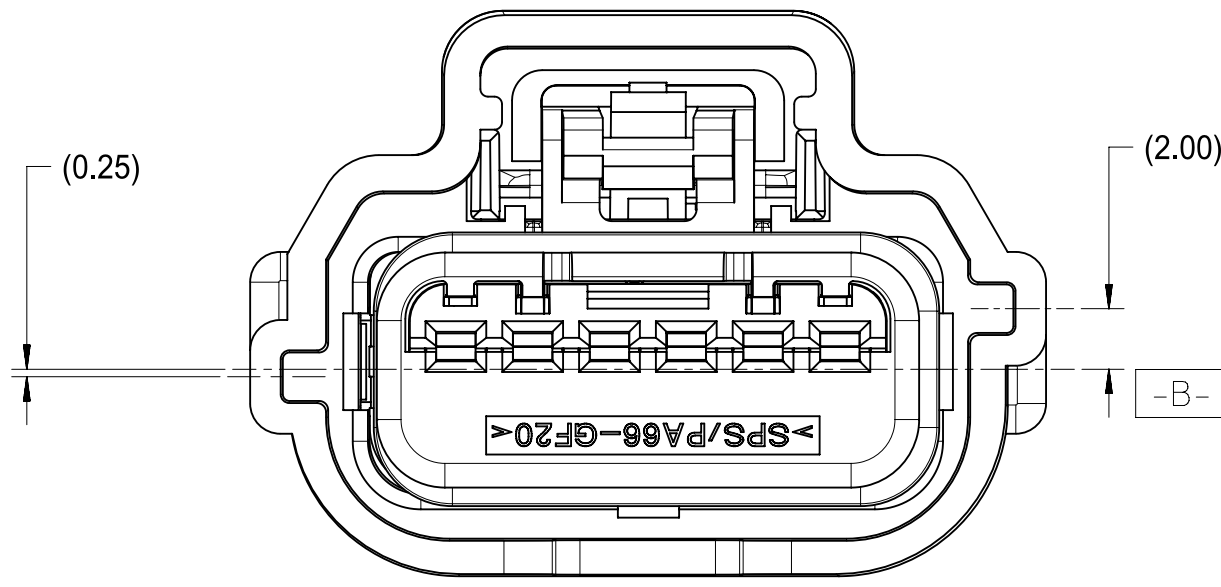


POLARIZATION A

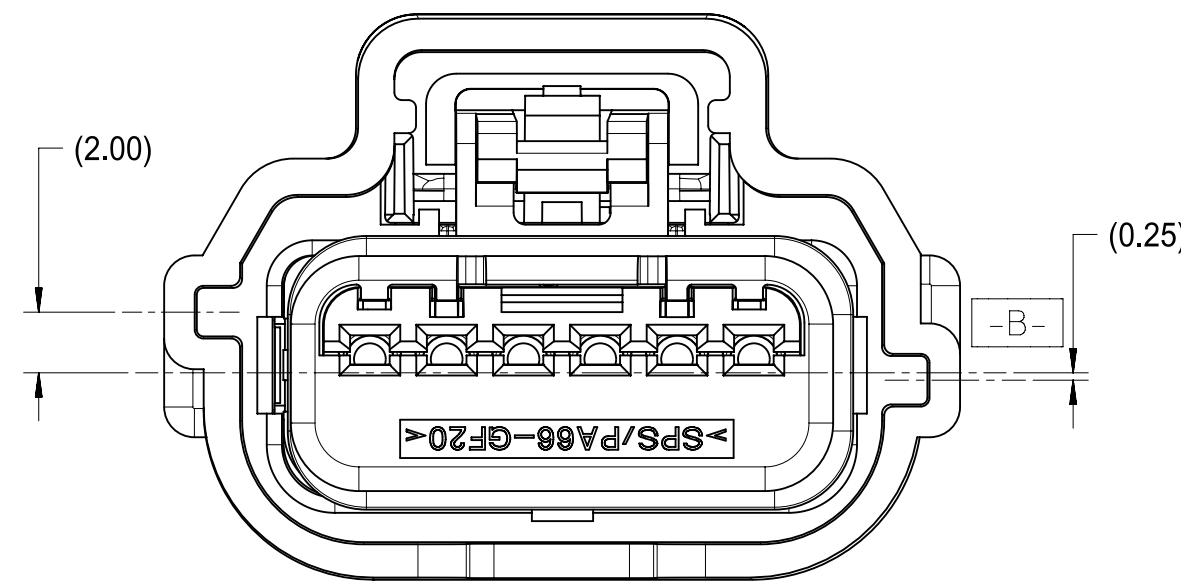
1X6



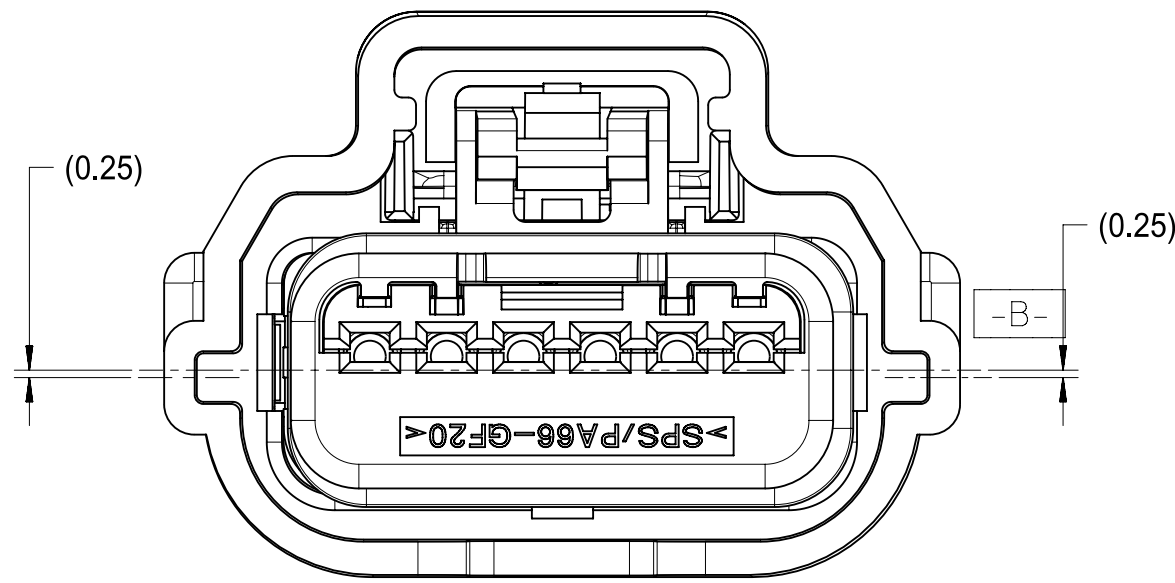
POLARIZATION A



POLARIZATION B

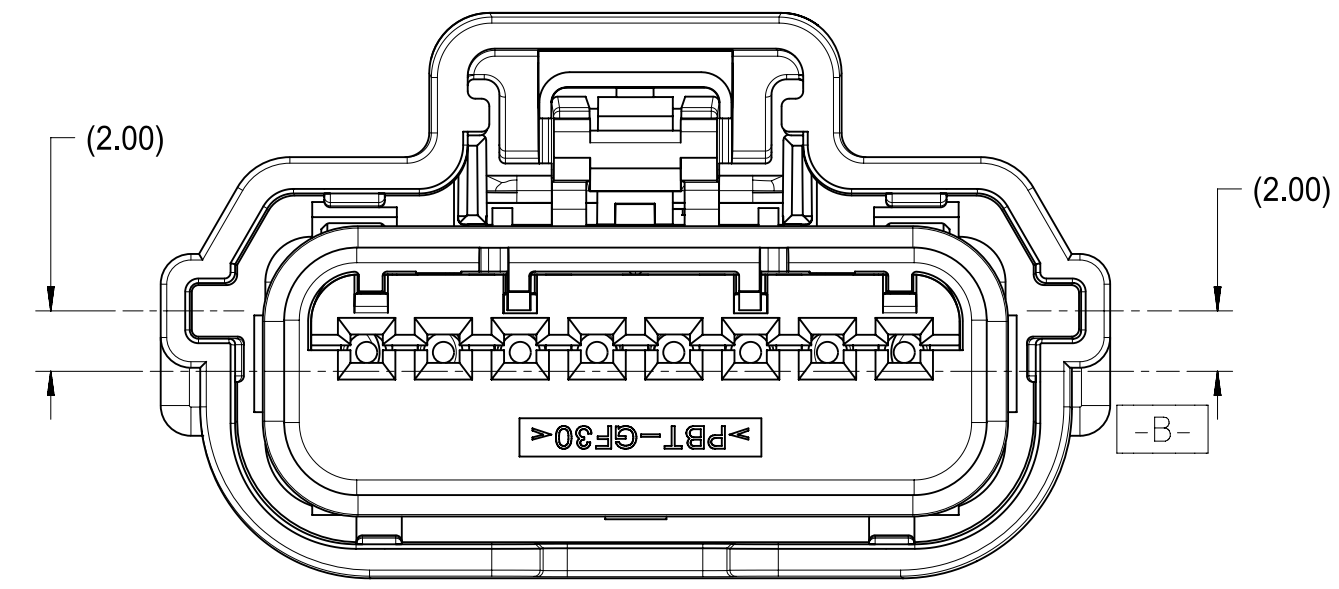


POLARIZATION C

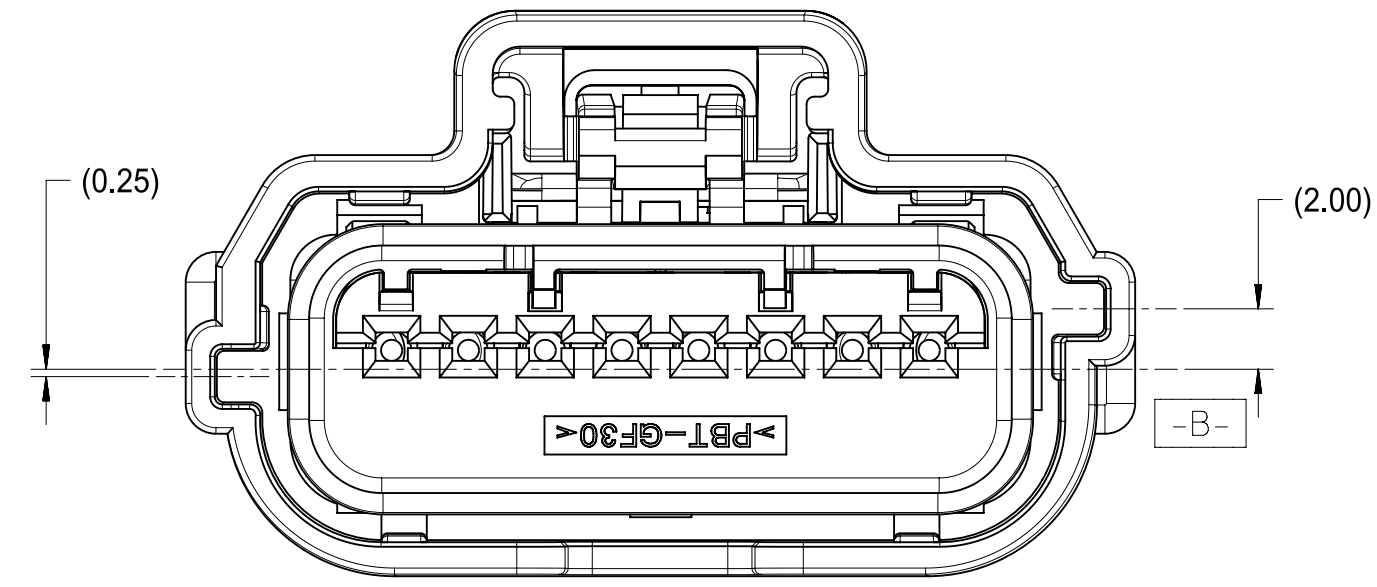


POLARIZATION D

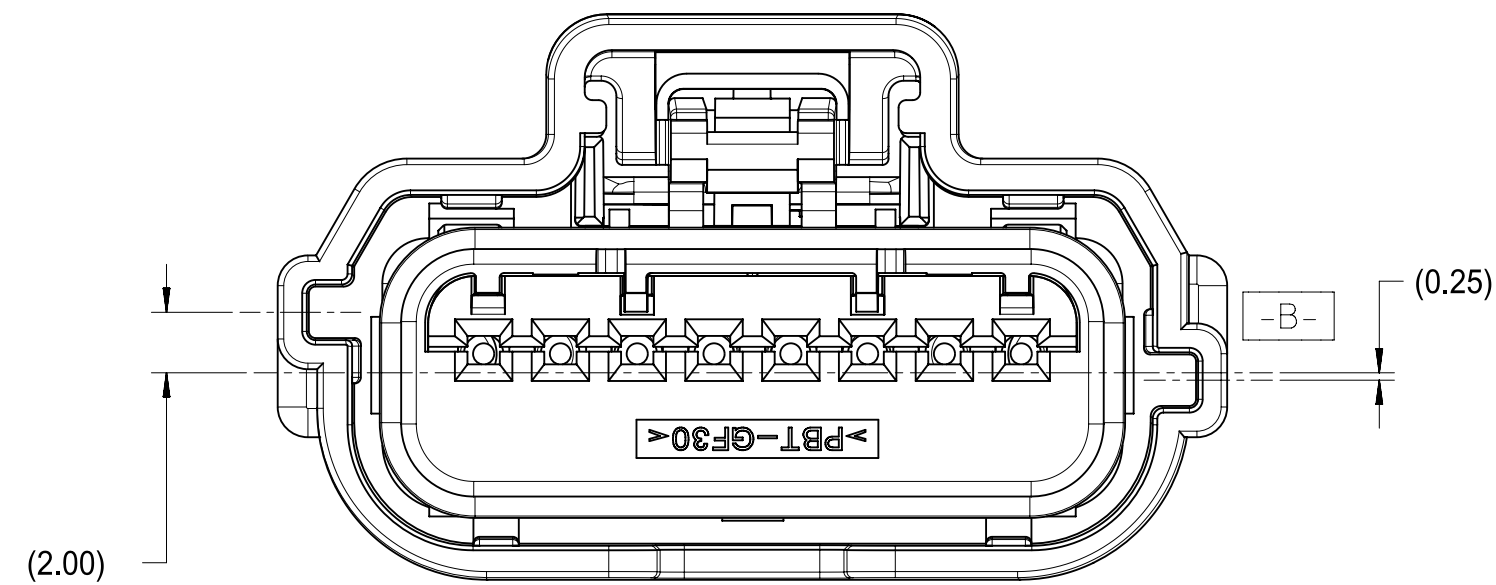
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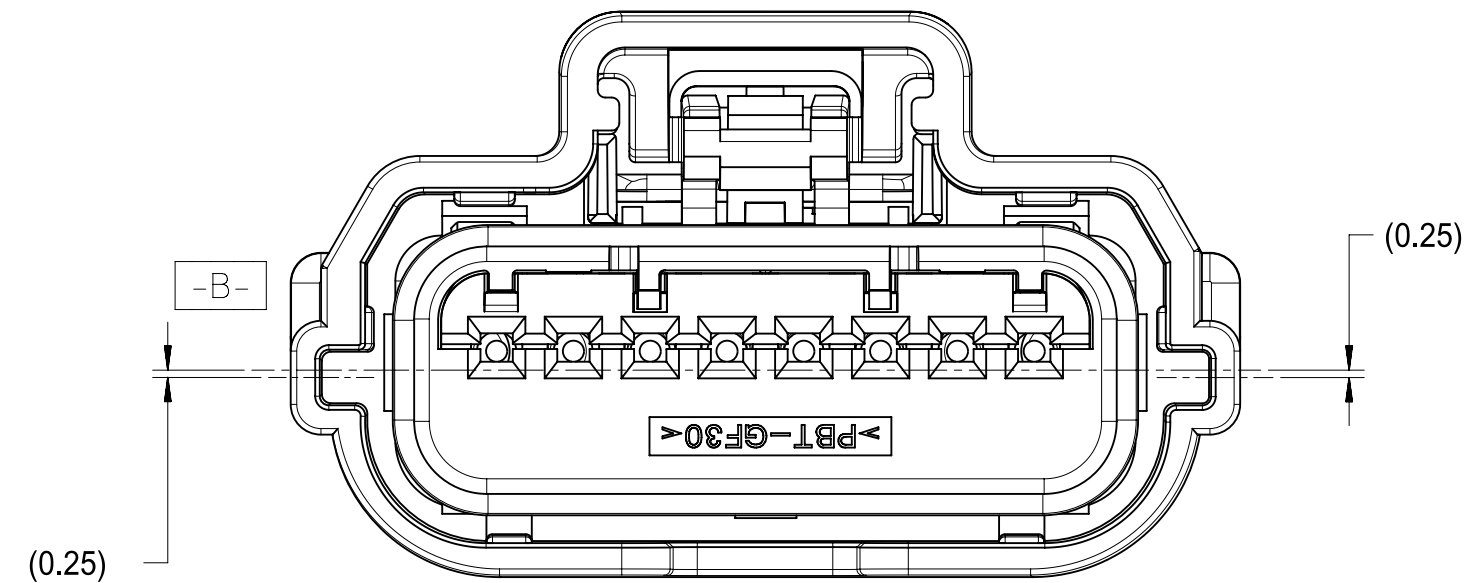
POLARIZATION A



POLARIZATION B



POLARIZATION C



POLARIZATION D

## KEY CONFIGURATIONS

|                                                                                                                  |  |                                                                                                                                               |                          |                                                                                                                                                 |                                                                                       |
|------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| FUNCTIONAL SYMBOLS                                                                                               |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                                                                                                                                                 |                                                                                       |
| DIMENSION UNITS<br><b>MM</b><br>SCALE<br><b>1:1</b><br>GENERAL TOLERANCES (UNLESS SPECIFIED)<br>ANGULAR TOL ± 3° |  | CURRENT REV DESC: MX64 - 1x3 CVP PNs added                                                                                                    |                          |                                                            |                                                                                       |
| DIVISIONAL SYMBOLS<br>$\nabla_A = 0$<br>$\nabla_F = 0$<br>$\nabla_P = 0$                                         |  | EC NO: CO-000021437<br>DRWN: Mario Gazca 07-Oct-2024<br>CHK'D: MAURICIO RUIZ 27-Feb-2025<br>APPR: Brittney Cotter 12-Mar-2025                 |                          | 0.64 USCAR CONNECTOR<br>SEALED SINGLE ROW ASSEMBLY                                                                                              |                                                                                       |
| 4 PLACES ± 0<br>3 PLACES ± 0<br>2 PLACES ± 0.13<br>1 PLACE ± 0.3<br>0 PLACES ± 0                                 |  | INITIAL REVISION:<br>DRWN: RFC_PLMIMP 01-Mar-2004<br>APPR: PBERG 30-Sep-2004                                                                  |                          | PRODUCT CUSTOMER DRAWING<br>DOCUMENT NUMBER<br><b>SD-31402-211</b><br>DOC TYPE<br><b>PSD</b><br>DOC PART<br><b>001</b><br>REVISION<br><b>U8</b> |                                                                                       |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                       |  | THIRD ANGLE PROJECTION<br>                               | DRAWING<br><b>D-SIZE</b> | SERIES<br><b>31402</b>                                                                                                                          | MATERIAL NUMBER<br>CUSTOMER<br><b>GENERAL MARKET</b><br>SHEET NUMBER<br><b>5 OF 8</b> |







[illegible]



