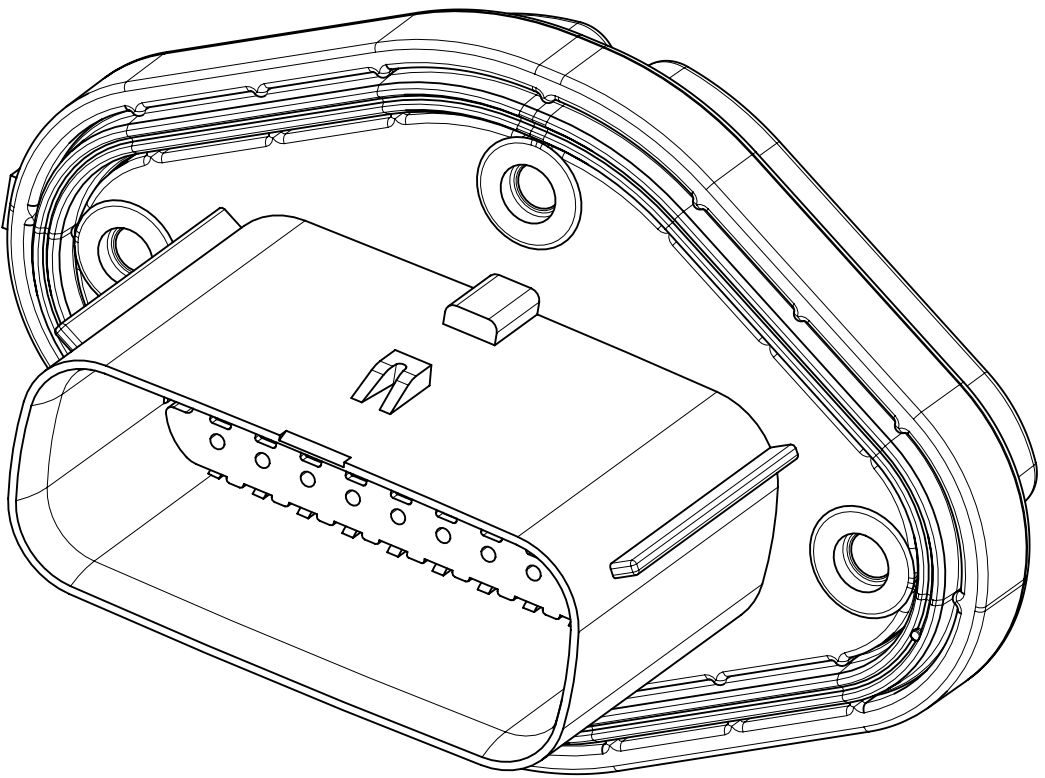
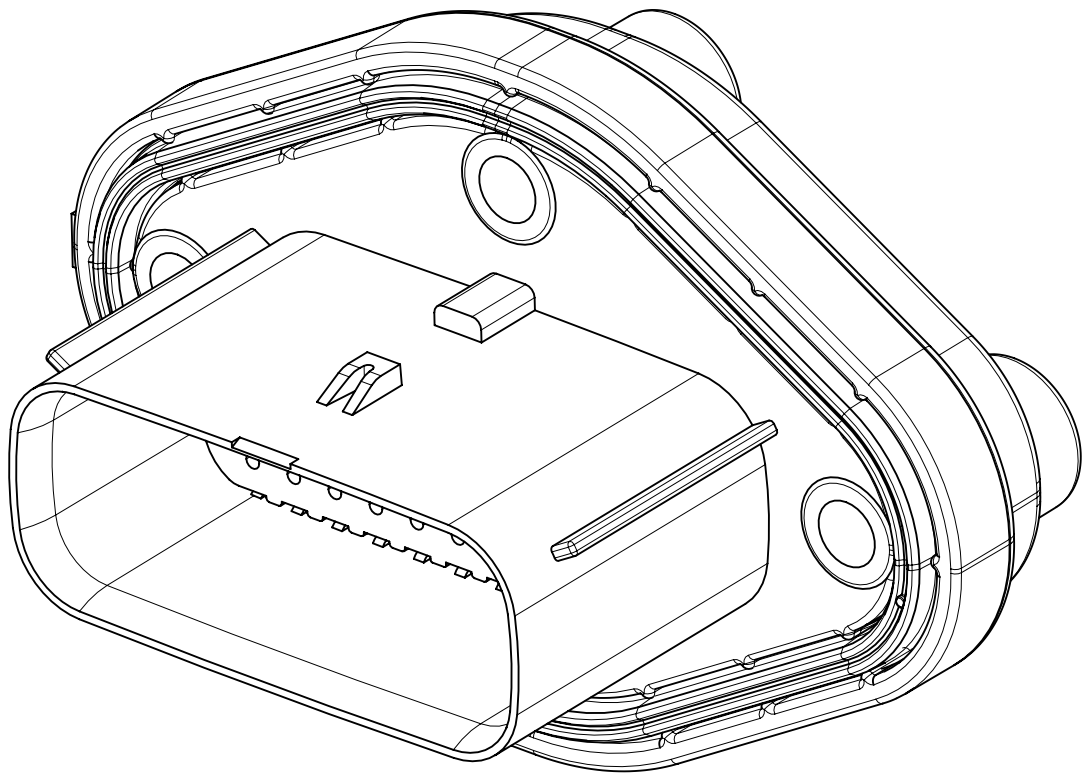


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| 1                 | NOTES AND VIEW                                         |
| 2                 | BOM-BUSHING VERSION                                    |
| 3                 | BOM-SELF-TAPPING SCREW VERSION                         |
| 4                 | KEY CONFIGURATIONS                                     |
| 5                 | DETAIL VIEWS AND SECTIONS - BUSHING VERSION            |
| 6                 | DETAIL VIEWS AND SECTIONS - SELF-TAPPING SCREW VERSION |
| 7                 | PANEL MOUNT INTERFACE                                  |
| 8                 | PANEL MOUNT INTERFACE                                  |
| 9                 | PANEL MOUNT INTERFACE                                  |



SELF-TAPPING VERSION



4 BUSHING VERSION

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: 2144680001-AS

b. PRODUCT SPECIFICATION SEE: 2144680001-PS

c. PACKAGING SPECIFICATION PER MOLEX DRAWING: BUSHING VERSION 2144680001-PK, SELF-TAPPING VERSION 2144680005-PK

d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016

e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN
- a. SEE BOM TABLE FOR PART NUMBERS

b. SHIPPED WITH TPA IN PRE-LOCK POSITION

c. DESIGNED TO MATE WITH MX150 RECEPTACLE CONNECTOR ASSEMBLY

d. FOR ESSENTIAL PARTS (TERMINALS, WIRES ETC.) AND INSTALLATION TO COMPLETE ASSEMBLY SEE MOLEX PRODUCT SPECIFICATION PS-33472-000

e. FOR FULLY POPULATED CONNECTORS, MATE FORCE CAN EXCEED 75N

3. DESIGN - GEOMETRY:
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.

b. THE 3-D CAD DATA IS MASTER FOR THIS PART AND IS TO BE USED TO ESTABLISH DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING. ANY DIMENSIONS UNDERLINED INDICATE A CONFLICT WITH THE MODEL.

c. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE

d. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009.

e. EDGES AND UNDIMENSIONED DETAILS PER ISO 13715

f. CORNERS SHOWN AS SHARP TO R0.2 MAX

4. DESIGN - MANUFACTURING:
- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)

b. LASER MARKING:

1. PART NUMBER

2. DAY OF THE YEAR

3. SHIFT

4. YEAR

|     |                                                                                                                                                                                                                       |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B3  | UPDATED BOLT INFORMATION FOR SELF-TAPPING VERSION                                                                                                                                                                     |
| B2  | MIGRATED DATA TO TC                                                                                                                                                                                                   |
| B1  | UPDATED PANEL MOUNT INTERFACE ON SHEET 8 & 9                                                                                                                                                                          |
| B   | UPDATED PANEL MOUNT INTERFACE TOLERANCES SHEET9                                                                                                                                                                       |
| A6  | ADDED INDIVIDUAL KEY INTERFACE ON PAGE 9                                                                                                                                                                              |
| A5  | CHANGED DRAWING TYPE FORM RSD TO GENERAL MARKET, ADDED 2144680009 THRU 0012 AND SELF-TAPPING VERSION, UPDATED INTERFACE TO UNVERSIAL CUT OUT<br>UPDATED BOLT DEFINITION TO ACCOMMODATE MULTIPLE INTERFACE THICKNESSES |
| A4  | ADDED KEY C AND KEY D VIEW                                                                                                                                                                                            |
| A3  | UPDATED INTERFACE OPTION TOLERANCES SHEET6<br>UPDATED RADII ON INTERFACE CUTOUT SHEET 6                                                                                                                               |
| A2  | ADDED KEY B OPTION<br>ADDED SHEET 7<br>PANEL INTERFACE KEY WAY CONFIGURATION                                                                                                                                          |
| A1  | ADDED NOTES TO SHEET 5<br>ADDED BOLT DEFINITION<br>UPDATED PANEL MOUNT INTERFACE                                                                                                                                      |
| A   | INITIAL RELEASE "OK TO TOOL"                                                                                                                                                                                          |
| REV | DESCRIPTION                                                                                                                                                                                                           |

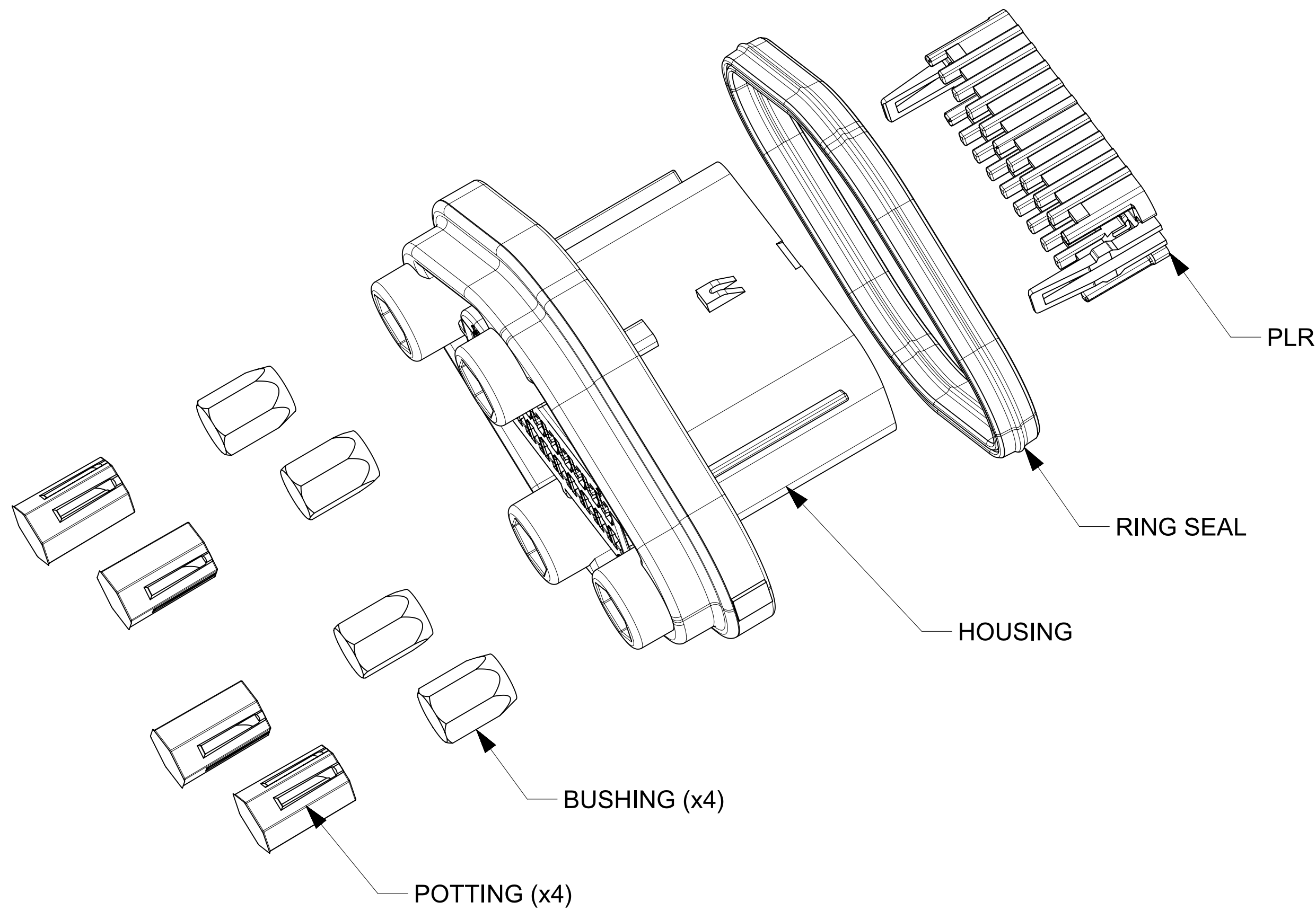
| SYMBOLS                                                                                                                              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                       |                                                                                       |        |                   |          |                 |                            |          |        |              |  |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|-------------------|----------|-----------------|----------------------------|----------|--------|--------------|--|
| <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div> | DIMENSION UNITS                                                                                                                               |                                                                                       | SCALE                                                                                 |        | CURRENT REV DESC: |          |                 | molex                      |          |        |              |  |
|                                                                                                                                      | mm                                                                                                                                            |                                                                                       | 2:1                                                                                   |        |                   |          |                 |                            |          |        |              |  |
|                                                                                                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                                                                                       |                                                                                       |        |                   |          |                 |                            |          |        |              |  |
|                                                                                                                                      | ANGULAR TOL ± 0.5 °                                                                                                                           |                                                                                       |                                                                                       |        |                   |          |                 |                            |          |        |              |  |
|                                                                                                                                      | 4 PLACES                                                                                                                                      |                                                                                       | ± 0                                                                                   |        |                   |          |                 | MX150 20W PANEL MOUNT ASSY |          |        |              |  |
|                                                                                                                                      | 3 PLACES                                                                                                                                      |                                                                                       | ± 0                                                                                   |        |                   |          |                 |                            |          |        |              |  |
|                                                                                                                                      | 2 PLACES                                                                                                                                      |                                                                                       | ± 0.1                                                                                 |        |                   |          |                 |                            |          |        |              |  |
|                                                                                                                                      | 1 PLACE                                                                                                                                       |                                                                                       | ± 0.2                                                                                 |        |                   |          |                 |                            |          |        |              |  |
|                                                                                                                                      | 0 PLACES                                                                                                                                      |                                                                                       | ± 0                                                                                   |        | INITIAL REVISION: |          |                 | PRODUCT SALES DRAWING      |          |        |              |  |
|                                                                                                                                      | DRWN: WKHE                                                                                                                                    |                                                                                       | DOCUMENT NUMBER                                                                       |        |                   | DOC TYPE | DOC PART        |                            |          |        | REVISION     |  |
| APPR:                                                                                                                                |                                                                                                                                               | THIRD ANGLE PROJECTION                                                                |                                                                                       |        | DRAWING           | SERIES   | MATERIAL NUMBER |                            | CUSTOMER |        | SHEET NUMBER |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                 |                                                                                                                                               |  |  | D-SIZE | 214468            | SEE BOM  |                 | GENERAL MARKET             |          | 1 OF 9 |              |  |

| INSPECTION BALLOON NUMBER LOG                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------|
| PER DRAWING REVISION: B3<br>LAST BALLOON NUMBER USED: NONE<br>ADDED BALLOON NUMBERS: NONE<br>REMOVED BALLOON NUMBERS: NONE |

| DOCUMENT STATUS | Approved | RELEASE DATE | 29-Sep-2022 11:04:41 |
|-----------------|----------|--------------|----------------------|
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|                     |
|---------------------|
| SHEET DESCRIPTION   |
| BOM-BUSHING VERSION |



| ITEM | PART DESCRIPTION | MATERIAL          | COLOR       | QTY |   |   |   |
|------|------------------|-------------------|-------------|-----|---|---|---|
| 1    | HOUSING, KEY A   | PA6-GF30          | BLACK       | 1   |   |   |   |
| 2    | HOUSING, KEY B   | PA6-GF30          | LIGHT GRAY  |     | 1 |   |   |
| 3    | HOUSING, KEY C   | PA6-GF30          | DARK GRAY   |     |   | 1 |   |
| 4    | HOUSING, KEY D   | PA6-GF30          | STONE GRAY  |     |   |   | 1 |
| 5    | PLR              | PA6-GF30          | ASH GRAY    | 1   | 1 | 1 | 1 |
| 6    | RING SEAL        | SILICONE          | RUST RED    | 1   | 1 | 1 | 1 |
| 7    | M4 BLIND BUSHING | STEEL             | STEEL COLOR | 4   | 4 | 4 | 4 |
| 8    | POTTING          | SILICONE ADHESIVE | GRAY        | 4   | 4 | 4 | 4 |

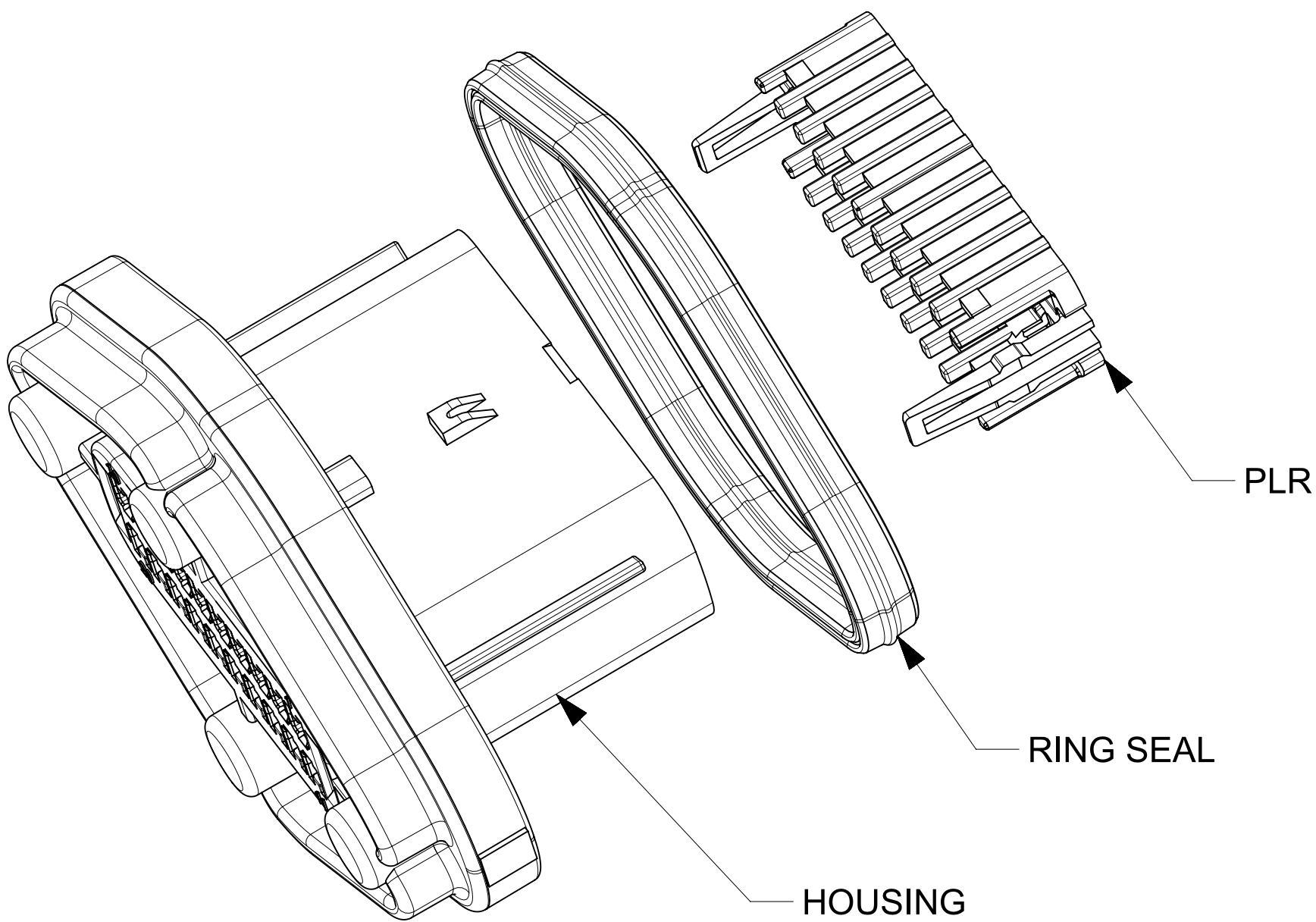
| ASSEMBLY PART NUMBER | ASSEMBLY DESCRIPTION                  | STATUS   |  |
|----------------------|---------------------------------------|----------|--|
| 2144680009           | MX150 20W PANEL MOUNT, KEY A, BUSHING | SALEABLE |  |
| 2144680010           | MX150 20W PANEL MOUNT, KEY B, BUSHING | SALEABLE |  |
| 2144680011           | MX150 20W PANEL MOUNT, KEY C, BUSHING | SALEABLE |  |
| 2144680012           | MX150 20W PANEL MOUNT, KEY D, BUSHING | SALEABLE |  |

|                                                                                                                                               |     |                                                                                       |  |                                                                                       |  |                                                                                                                    |                                                            |        |                                                        |         |          |                |        |        |                 |  |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------|--------------------------------------------------------|---------|----------|----------------|--------|--------|-----------------|--|----------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |     |                                                                                       |  |                                                                                       |  |                                                                                                                    |                                                            |        |                                                        |         |          |                |        |        |                 |  |          |
| SYMBOLS                                                                                                                                       |     | DIMENSION UNITS                                                                       |  | SCALE                                                                                 |  | CURRENT REV DESC:                                                                                                  |                                                            |        | <div>molex</div> <div>MX150 20W PANEL MOUNT ASSY</div> |         |          |                |        |        |                 |  |          |
|                                                          | = 0 | mm                                                                                    |  | 2:1                                                                                   |  | EC NO: CO-000000037<br>DRWN: Xu Yang 30-Jun-2022<br>CHK'D: Elvis Song 29-Sep-2022<br>APPR: Colin Zhang 29-Sep-2022 |                                                            |        |                                                        |         |          |                |        |        |                 |  |          |
|                                                          | = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                 |  |                                                                                       |  |                                                                                                                    |                                                            |        |                                                        |         |          |                |        |        |                 |  |          |
|                                                          | = 0 | ANGULAR TOL ± 0.5 °                                                                   |  |                                                                                       |  |                                                                                                                    |                                                            |        |                                                        |         |          |                |        |        |                 |  |          |
|                                                          | = 0 | 4 PLACES ± 0                                                                          |  | INITIAL REVISION:<br>DRWN: WKHE<br>APPR:                                              |  |                                                                                                                    | DOCUMENT NUMBER                                            |        | DOC TYPE                                               |         | DOC PART | REVISION       |        |        |                 |  |          |
|                                                          | = 0 | 3 PLACES ± 0                                                                          |  |                                                                                       |  |                                                                                                                    | 2144680001                                                 |        | PSD                                                    |         | 000      | B3             |        |        |                 |  |          |
|                                                          | = 0 | 2 PLACES ± 0.1                                                                        |  |                                                                                       |  |                                                                                                                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | THIRD ANGLE PROJECTION                                 |         | DRAWING  |                | SERIES |        | MATERIAL NUMBER |  | CUSTOMER |
|                                                          | = 0 | 1 PLACE ± 0.2                                                                         |  |                                                                                       |  |                                                                                                                    |                                                            |        |                                                        |         |          |                |        |        |                 |  |          |
|                                                          | = 0 | 0 PLACES ± 0                                                                          |  |                                                                                       |  |                                                                                                                    |                                                            |        |                                                        |         |          |                |        |        |                 |  |          |
|                                                          | = 0 |  |  |  |  | D-SIZE                                                                                                             |                                                            | 214468 |                                                        | SEE BOM |          | GENERAL MARKET |        | 2 OF 9 |                 |  |          |
|                                                          | = 0 |                                                                                       |  |                                                                                       |  |                                                                                                                    |                                                            |        |                                                        |         |          |                |        |        |                 |  |          |

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| DOCUMENT STATUS | Approved | RELEASE DATE | 29-Sep-2022 | 11:04:41 |
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|                                |
|--------------------------------|
| SHEET DESCRIPTION              |
| BOM-SELF-TAPPING SCREW VERSION |



| ITEM | PART DESCRIPTION | MATERIAL | COLOR      | QTY |   |   |   |
|------|------------------|----------|------------|-----|---|---|---|
| 1    | HOUSING, KEY A   | PA6-GF30 | BLACK      | 1   |   |   |   |
| 2    | HOUSING, KEY B   | PA6-GF30 | LIGHT GRAY |     | 1 |   |   |
| 3    | HOUSING, KEY C   | PA6-GF30 | DARK GRAY  |     |   | 1 |   |
| 4    | HOUSING, KEY D   | PA6-GF30 | STONE GRAY |     |   |   | 1 |
| 5    | PLR              | PA6-GF30 | ASH GRAY   | 1   | 1 | 1 | 1 |
| 6    | RING SEAL        | SILICONE | RUST RED   | 1   | 1 | 1 | 1 |

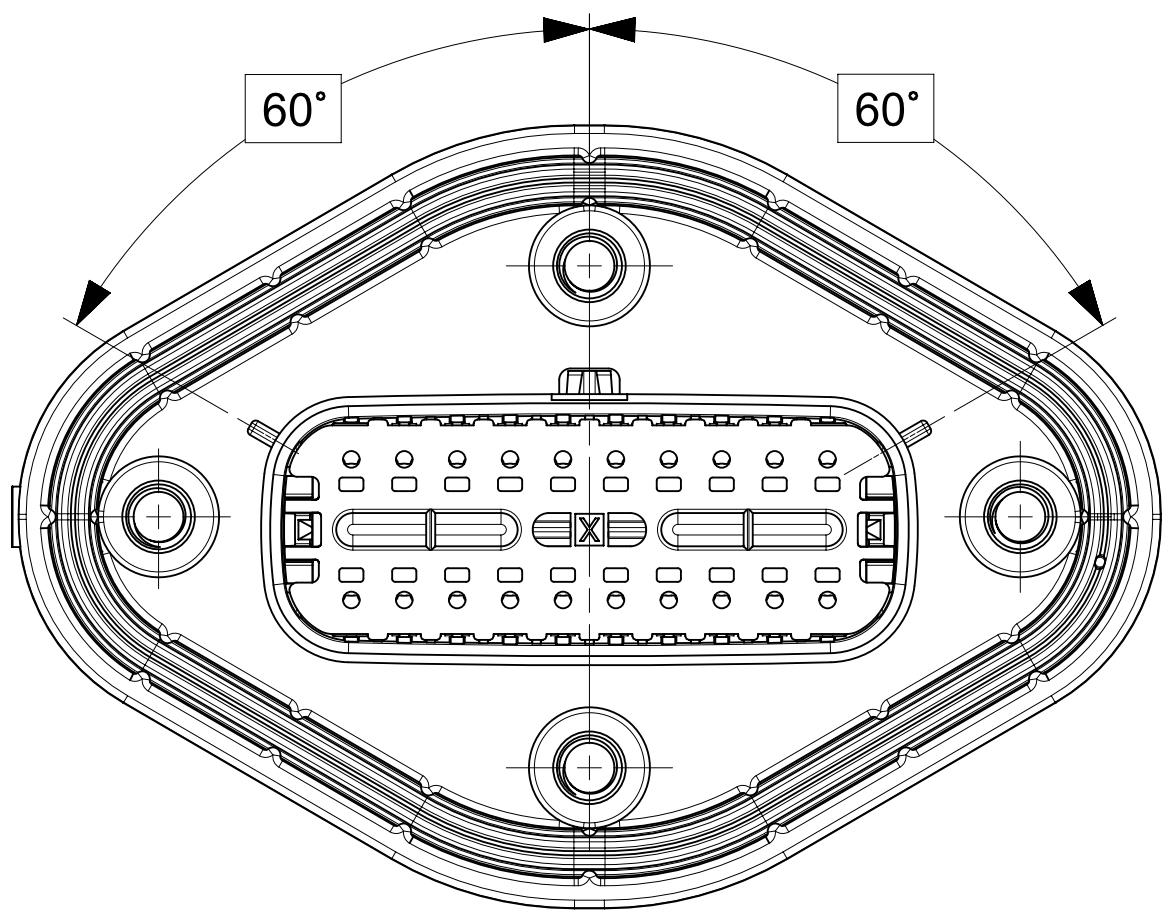
| ASSEMBLY PART NUMBER | ASSEMBLY DESCRIPTION                             | STATUS   |  |
|----------------------|--------------------------------------------------|----------|--|
| 2144680005           | MX150 20W PANEL MOUNT, KEY A, SELF-TAPPING SCREW | SALEABLE |  |
| 2144680006           | MX150 20W PANEL MOUNT, KEY B, SELF-TAPPING SCREW | SALEABLE |  |
| 2144680007           | MX150 20W PANEL MOUNT, KEY C, SELF-TAPPING SCREW | SALEABLE |  |
| 2144680008           | MX150 20W PANEL MOUNT, KEY D, SELF-TAPPING SCREW | SALEABLE |  |

|                                       |  |                                                                                                                                               |  |                                                                                                                                             |  |                        |  |                                                    |  |          |  |                 |  |          |  |              |  |
|---------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|----------------------------------------------------|--|----------|--|-----------------|--|----------|--|--------------|--|
| 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:<br><br>EC NO: CO-000000037<br>DRWN: Xu Yang 30-Jun-2022<br>CHK'D: Elvis Song 29-Sep-2022<br>APPR: Colin Zhang 29-Sep-2022 |  |                        |  | <div>molex</div><br><br>MX150 20W PANEL MOUNT ASSY |  |          |  |                 |  |          |  |              |  |
| mm                                    |  | 2:1                                                                                                                                           |  |                                                                                                                                             |  |                        |  |                                                    |  |          |  |                 |  |          |  |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED) |  | PRODUCT SALES DRAWING                                                                                                                         |  |                                                                                                                                             |  |                        |  |                                                    |  |          |  |                 |  |          |  |              |  |
| ANGULAR TOL ± 0.5 °                   |  | DOCUMENT NUMBER                                                                                                                               |  |                                                                                                                                             |  |                        |  | DOC TYPE                                           |  | DOC PART |  | REVISION        |  |          |  |              |  |
| 4 PLACES ± 0                          |  | 2144680001                                                                                                                                    |  |                                                                                                                                             |  |                        |  | PSD                                                |  | 000      |  | B3              |  |          |  |              |  |
| 3 PLACES ± 0                          |  | INITIAL REVISION:                                                                                                                             |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                  |  | THIRD ANGLE PROJECTION |  | DRAWING                                            |  | SERIES   |  | MATERIAL NUMBER |  | CUSTOMER |  | SHEET NUMBER |  |
| 2 PLACES ± 0.1                        |  | DRWN: WKHE                                                                                                                                    |  |                                                                                                                                             |  |                        |  |                                                    |  |          |  |                 |  |          |  |              |  |
| 1 PLACE ± 0.2                         |  | APPR:                                                                                                                                         |  |                                                                                                                                             |  |                        |  |                                                    |  |          |  |                 |  |          |  |              |  |
| 0 PLACES ± 0                          |  | D-SIZE                                                                                                                                        |  | 214468                                                                                                                                      |  | SEE BOM                |  | GENERAL MARKET                                     |  | 3 OF 9   |  |                 |  |          |  |              |  |

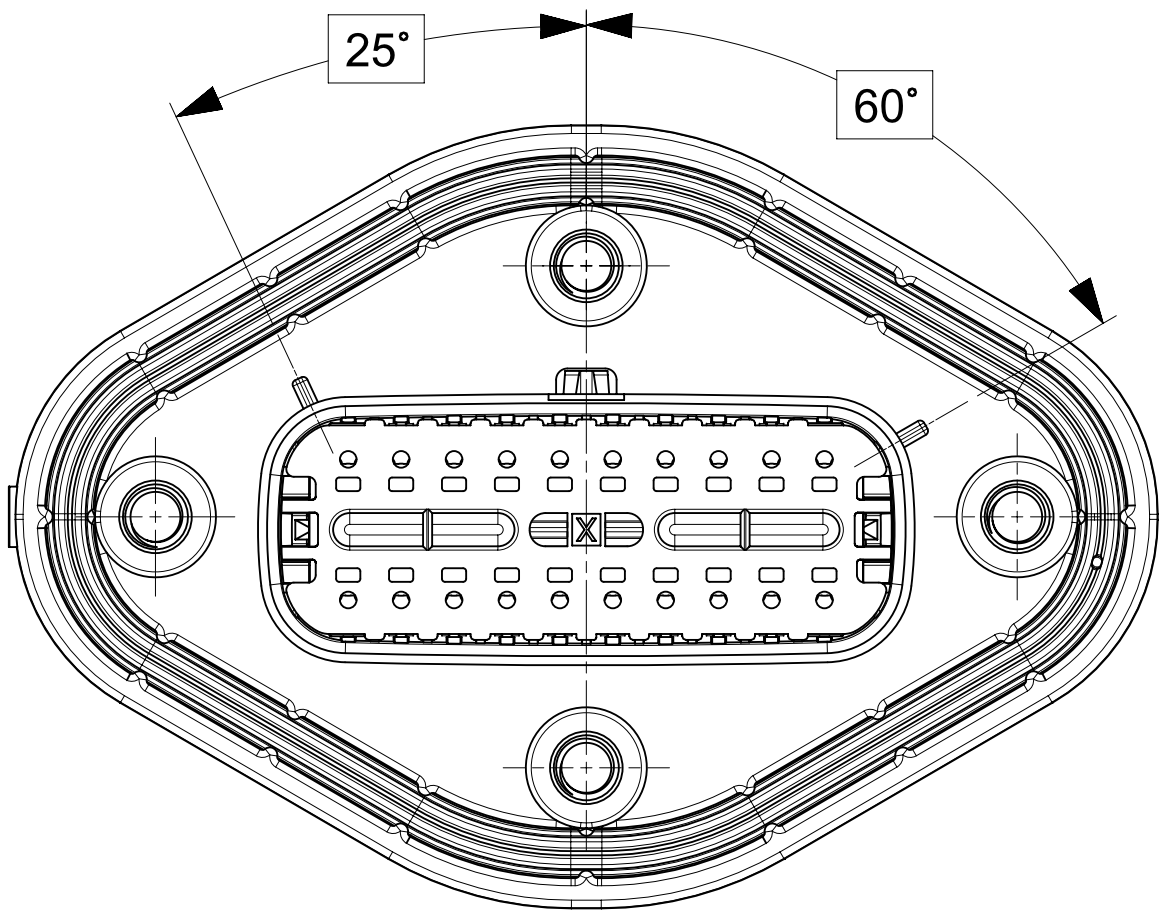
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| DOCUMENT STATUS | Approved | RELEASE DATE | 29-Sep-2022 | 11:04:41 |
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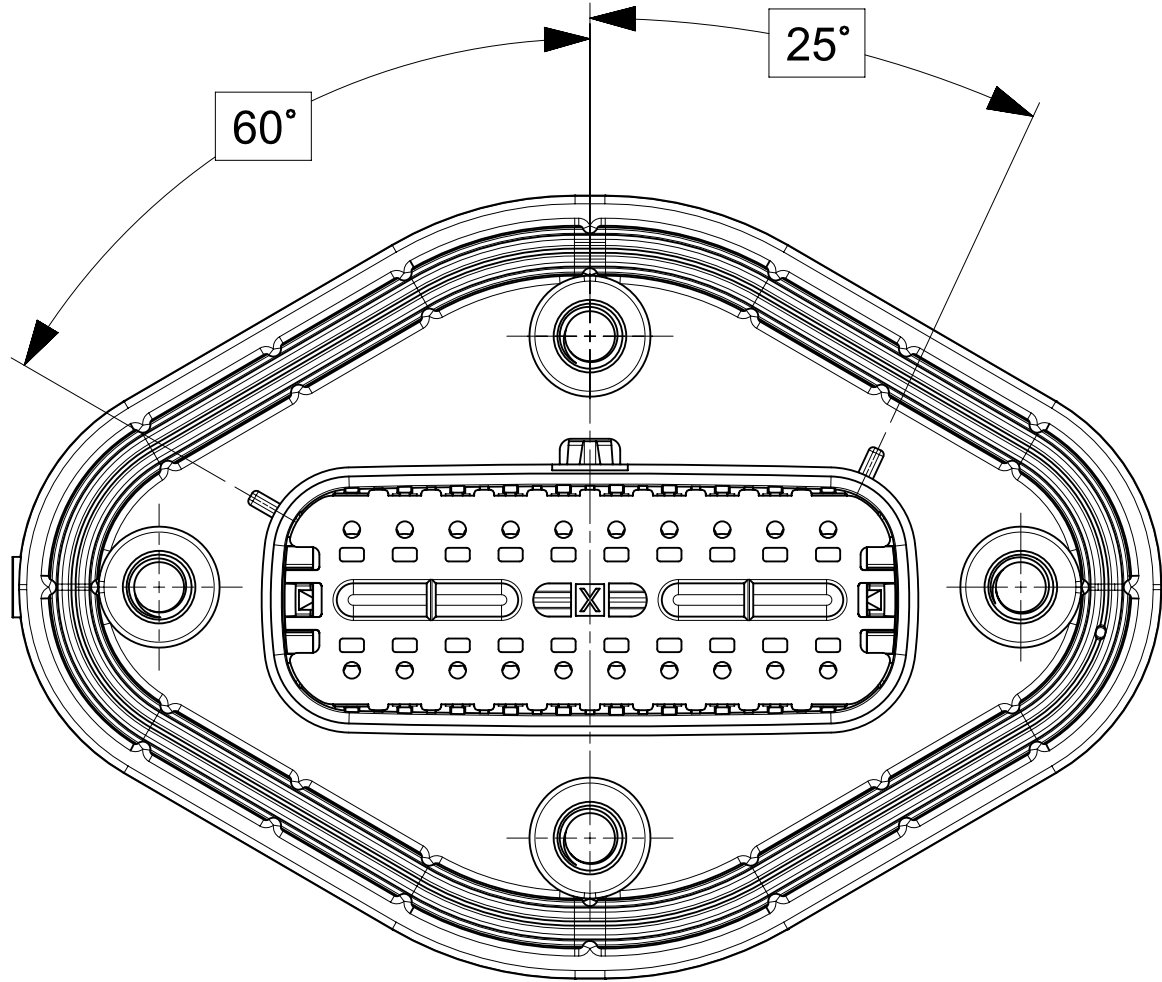
|                    |
|--------------------|
| SHEET DESCRIPTION  |
| KEY CONFIGURATIONS |



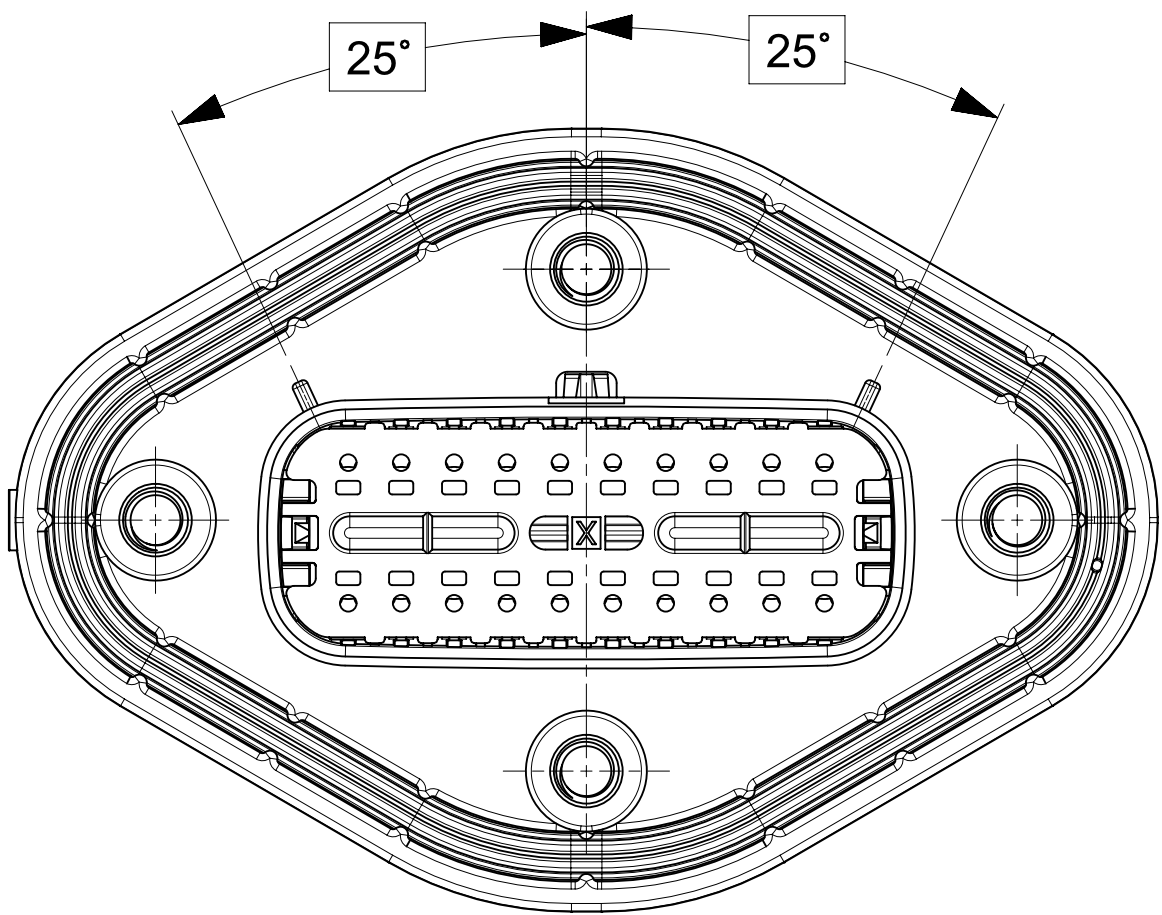
KEY A



KEY B



KEY C

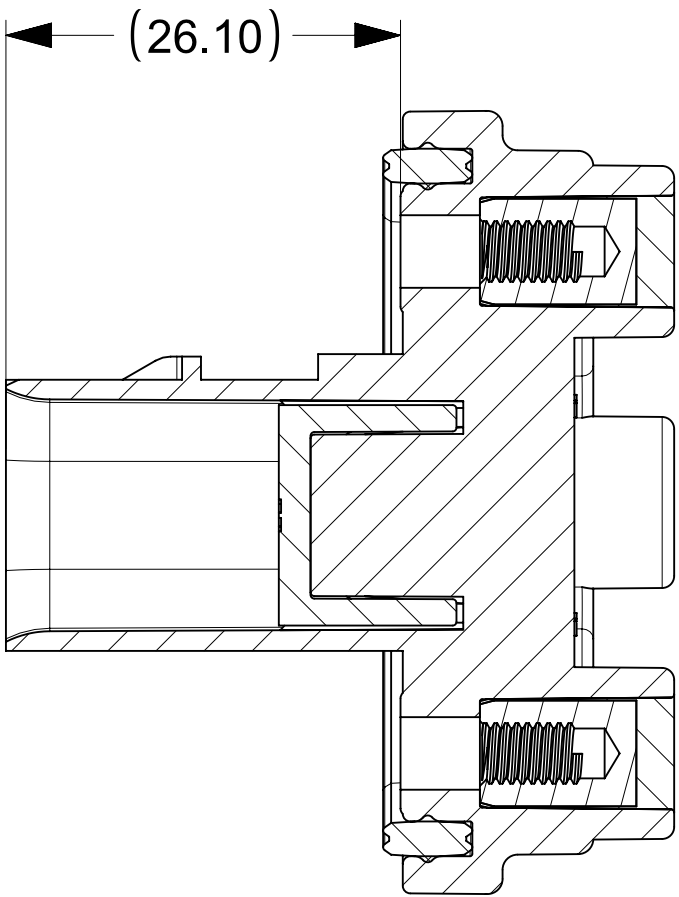
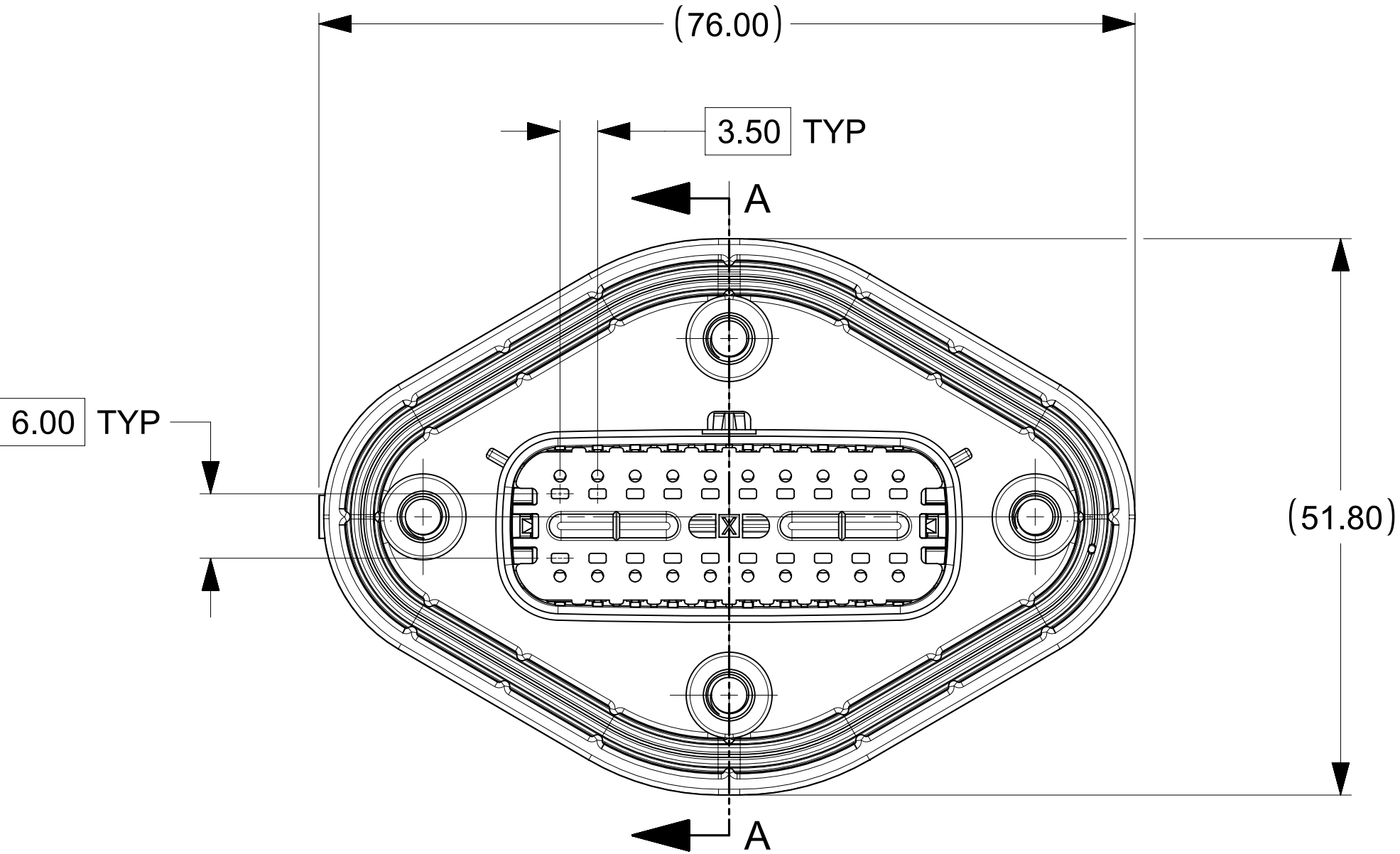
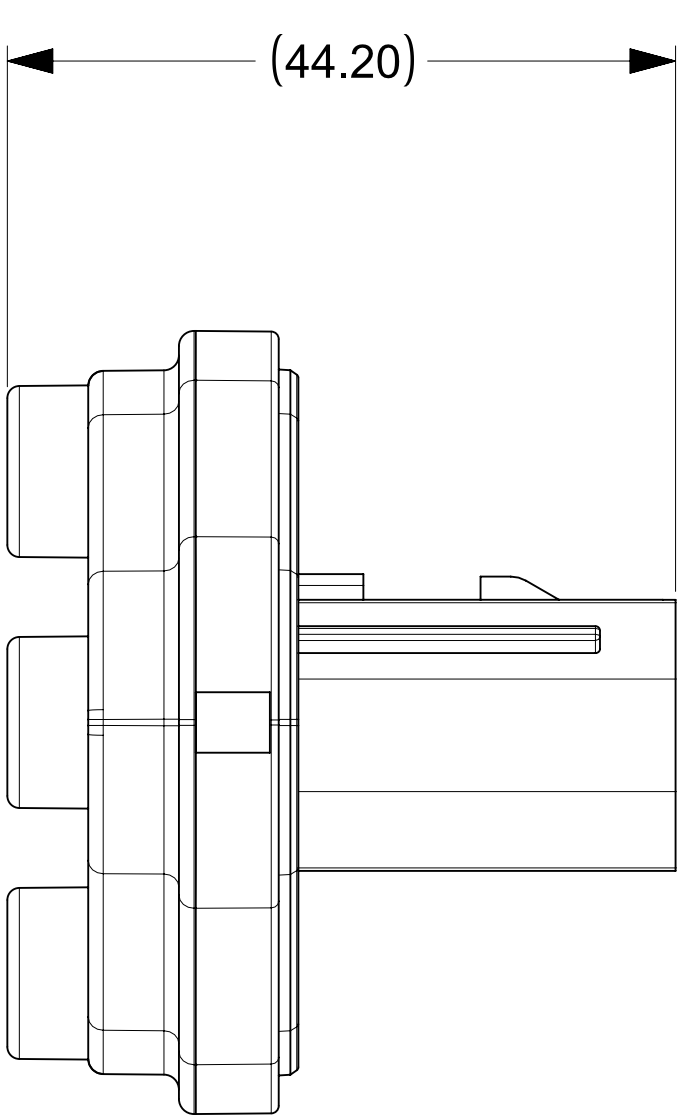


KEY D

| SYMBOLS                                                                                                                                                                                                                                                                                                                                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |      |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|------------------------|--|----------------|--------|-----------------|
| <div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> | DIMENSION UNITS                                                                                                                               |  | SCALE |      | CURRENT REV DESC:<br><br>EC NO: CO-000000037<br>DRWN: Xu Yang 30-Jun-2022<br>CHK'D: Elvis Song 29-Sep-2022<br>APPR: Colin Zhang 29-Sep-2022<br><br>INITIAL REVISION:<br>DRWN: WKHE<br>APPR: |        |        | molex                  |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | mm                                                                                                                                            |  | 2:1   |      |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |      |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | ANGULAR TOL                                                                                                                                   |  | ±     | 0.5° |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | 4 PLACES                                                                                                                                      |  | ±     | 0    |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | 3 PLACES                                                                                                                                      |  | ±     | 0    |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | 2 PLACES                                                                                                                                      |  | ±     | 0.1  |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | 1 PLACE                                                                                                                                       |  | ±     | 0.2  |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | 0 PLACES                                                                                                                                      |  | ±     | 0    |                                                                                                                                                                                             |        |        |                        |  |                |        |                 |
|                                                                                                                                                                                                                                                                                                                                                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |       |      |                                                                                                                                                                                             |        |        | THIRD ANGLE PROJECTION |  | DRAWING        | SERIES | MATERIAL NUMBER |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                               |  |       |      |                                                                                                                                                                                             | D-SIZE | 214468 | SEE BOM                |  | GENERAL MARKET | 4 OF 9 |                 |

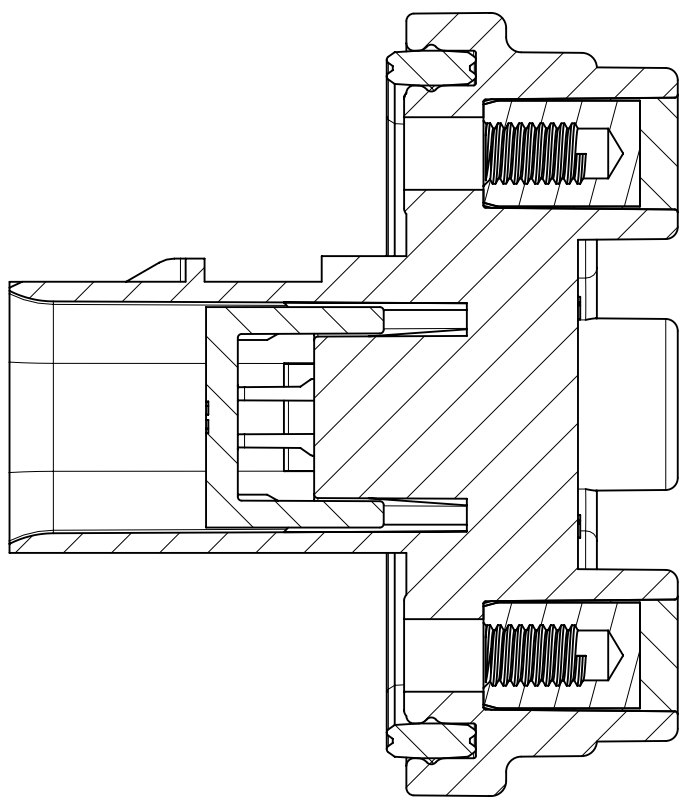


|                                             |
|---------------------------------------------|
| SHEET DESCRIPTION                           |
| DETAIL VIEWS AND SECTIONS - BUSHING VERSION |



SECTION A-A

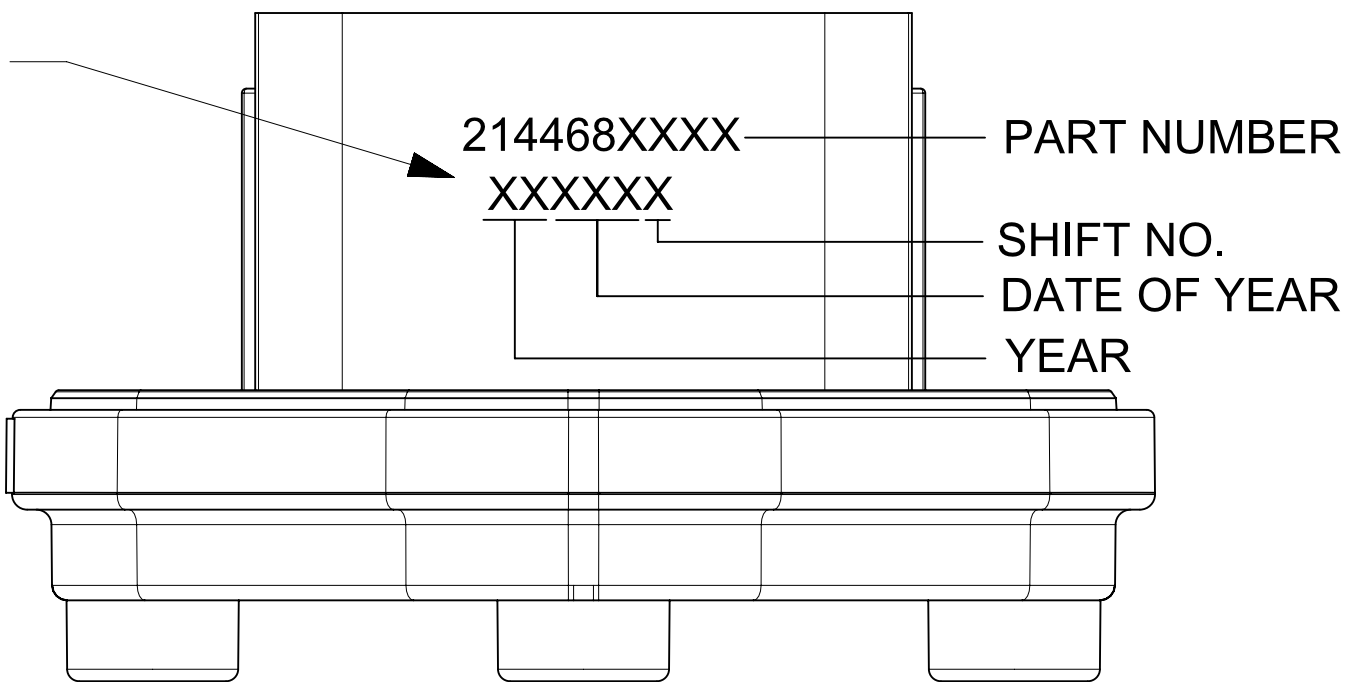
(TPA SHOWN IN FINAL-LOCK POSITION)



SECTION A-A

(TPA SHOWN IN PRE-LOCK POSITION)

LASER MARKING ON THIS SURFACE  
SEE NOTE 4b.

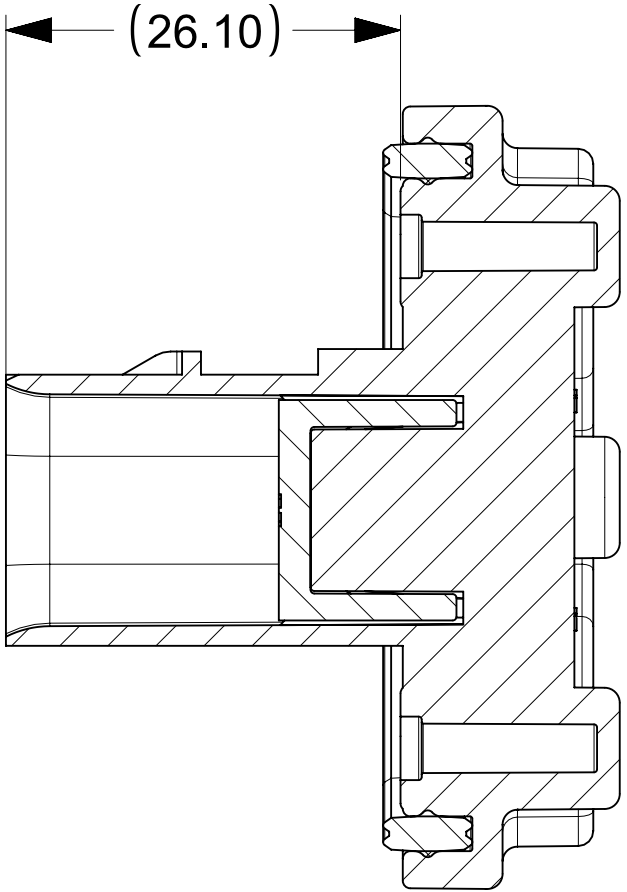
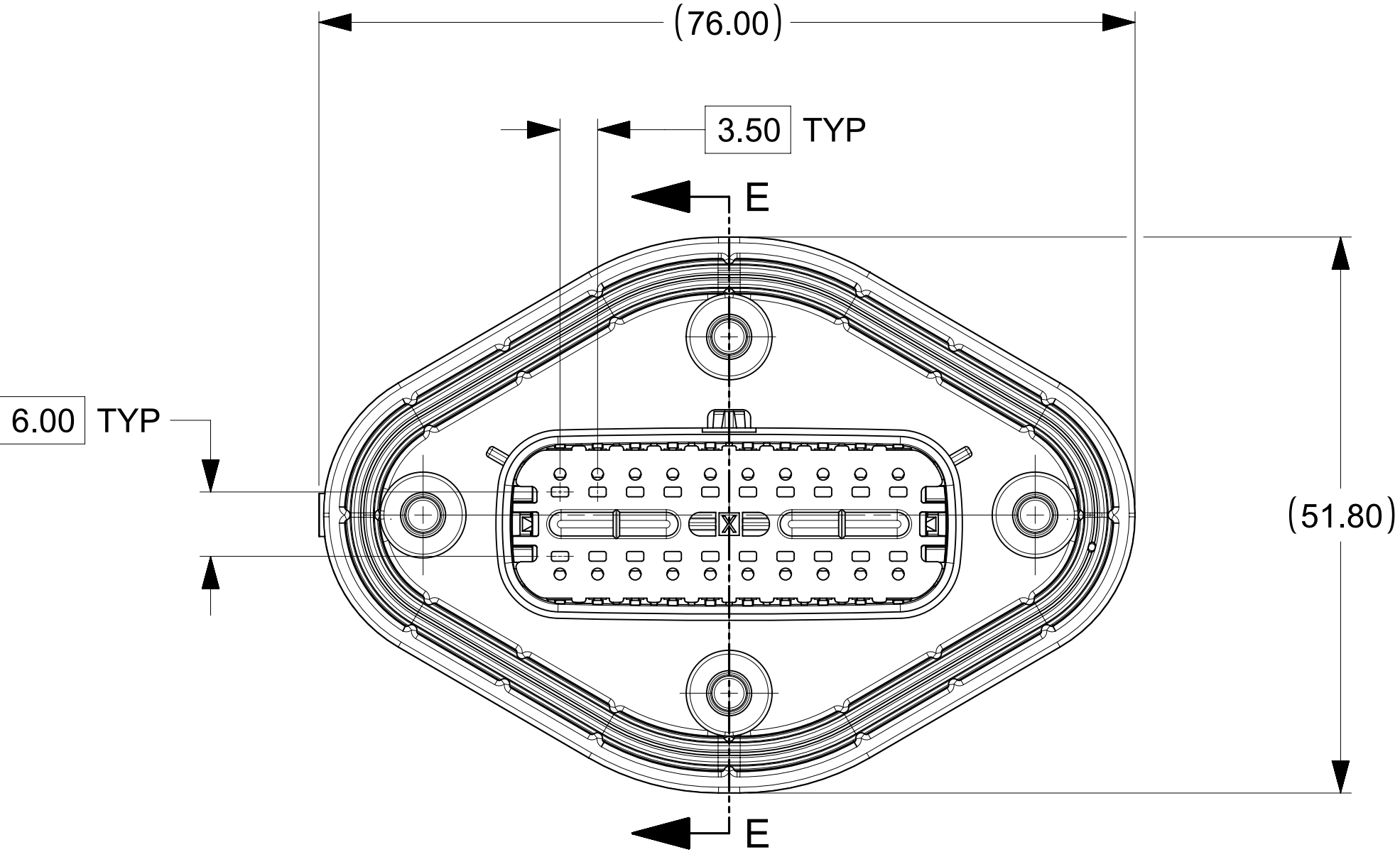
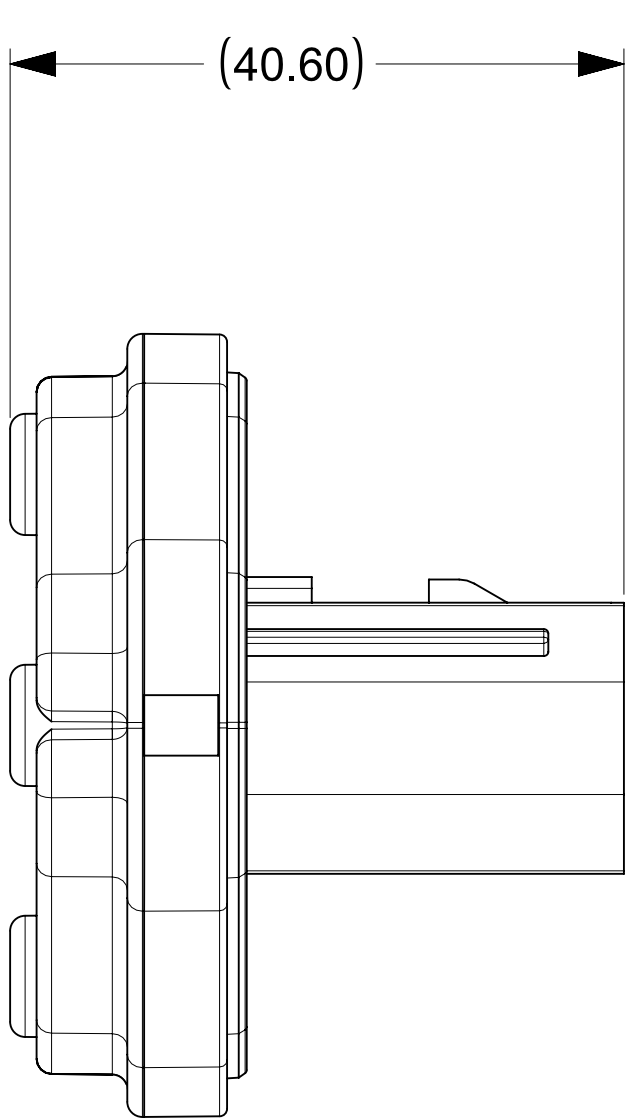


| SYMBOLS                                                                                                                                                                                                                                                                                                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |        |                                                                                                                                             |        |            |                                                    |                 |          |          |                |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|----------------------------------------------------|-----------------|----------|----------|----------------|--|
| <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> | DIMENSION UNITS                                                                                                                               |  | SCALE                  |        | CURRENT REV DESC:<br><br>EC NO: CO-000000037<br>DRWN: Xu Yang 30-Jun-2022<br>CHK'D: Elvis Song 29-Sep-2022<br>APPR: Colin Zhang 29-Sep-2022 |        |            | <div>molex</div><br><br>MX150 20W PANEL MOUNT ASSY |                 |          |          |                |  |
|                                                                                                                                                                                                                                                                                                                                              | mm                                                                                                                                            |  | 2:1                    |        |                                                                                                                                             |        |            |                                                    |                 |          |          |                |  |
|                                                                                                                                                                                                                                                                                                                                              | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |                        |        |                                                                                                                                             |        |            |                                                    |                 |          |          |                |  |
|                                                                                                                                                                                                                                                                                                                                              | ANGULAR TOL                                                                                                                                   |  | ± 0.5°                 |        |                                                                                                                                             |        |            | PRODUCT SALES DRAWING                              |                 |          |          |                |  |
|                                                                                                                                                                                                                                                                                                                                              | 4 PLACES                                                                                                                                      |  | ± 0                    |        |                                                                                                                                             |        |            |                                                    |                 |          |          |                |  |
|                                                                                                                                                                                                                                                                                                                                              | 3 PLACES                                                                                                                                      |  | ± 0                    |        | DOCUMENT NUMBER                                                                                                                             |        | DOC TYPE   |                                                    | DOC PART        | REVISION |          |                |  |
|                                                                                                                                                                                                                                                                                                                                              | 2 PLACES                                                                                                                                      |  | ± 0.1                  |        | INITIAL REVISION:                                                                                                                           |        | 2144680001 |                                                    | PSD             |          | 000      | B3             |  |
|                                                                                                                                                                                                                                                                                                                                              | 1 PLACE                                                                                                                                       |  | ± 0.2                  |        | DRWN: WKHE                                                                                                                                  |        | SEE BOM    |                                                    |                 |          |          |                |  |
|                                                                                                                                                                                                                                                                                                                                              | 0 PLACES                                                                                                                                      |  | ± 0                    |        | APPR:                                                                                                                                       |        |            |                                                    |                 |          |          | GENERAL MARKET |  |
|                                                                                                                                                                                                                                                                                                                                              | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  | THIRD ANGLE PROJECTION |        | DRAWING                                                                                                                                     |        | SERIES     |                                                    | MATERIAL NUMBER |          | CUSTOMER |                |  |
|                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                               |  |                        | D-SIZE |                                                                                                                                             | 214468 |            |                                                    |                 |          |          | 5 OF 9         |  |

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| DOCUMENT STATUS | Approved | RELEASE DATE | 29-Sep-2022 11:04:41 |
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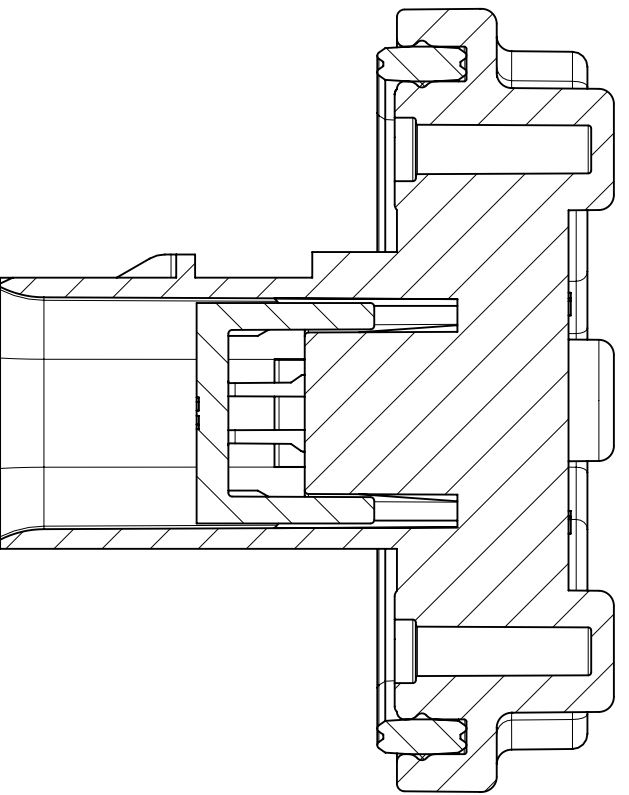


|                                                        |
|--------------------------------------------------------|
| SHEET DESCRIPTION                                      |
| DETAIL VIEWS AND SECTIONS - SELF-TAPPING SCREW VERSION |



SECTION E-E

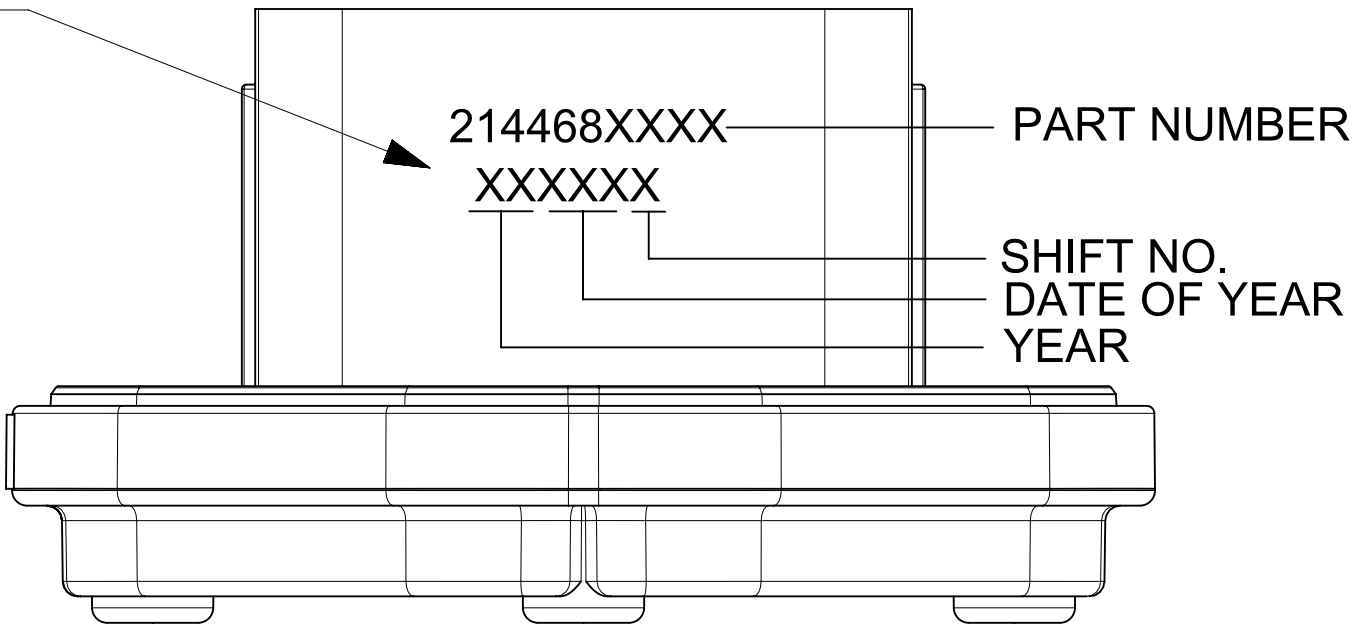
(TPA SHOWN IN FINAL-LOCK POSITION)



SECTION A-A

(TPA SHOWN IN PRE-LOCK POSITION)

LASER MARKING ON THIS SURFACE  
SEE NOTE 4b.



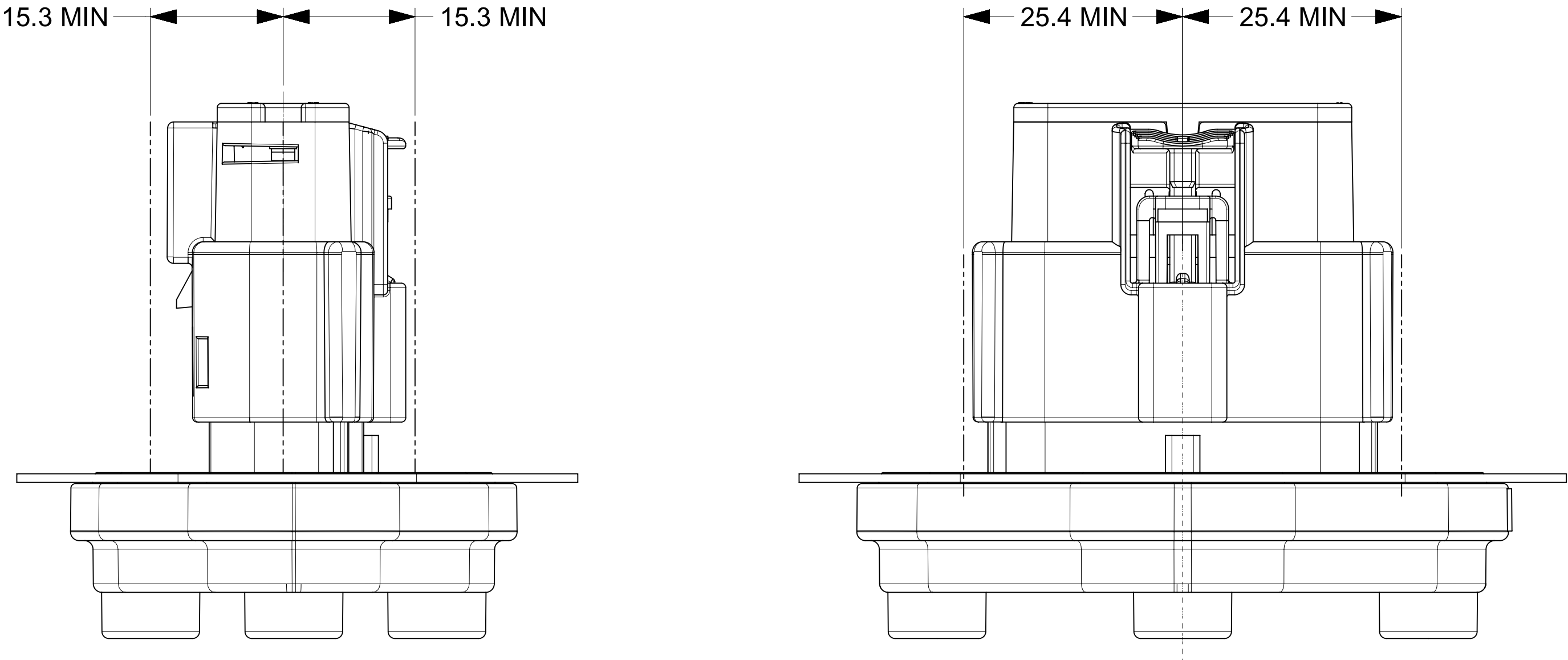
| SYMBOLS                                                                                                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |                                                                                                                    |  |  |                               |  |                            |                 |                        |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|--------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------|--|----------------------------|-----------------|------------------------|
| <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | DIMENSION UNITS                                                                                                                               |  | SCALE |  | CURRENT REV DESC:                                                                                                  |  |  | <div>molex</div>              |  |                            |                 |                        |
|                                                                                                                           | mm                                                                                                                                            |  | 2:1   |  |                                                                                                                    |  |  |                               |  |                            |                 |                        |
|                                                                                                                           | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |  | EC NO: CO-000000037<br>DRWN: Xu Yang 30-Jun-2022<br>CHK'D: Elvis Song 29-Sep-2022<br>APPR: Colin Zhang 29-Sep-2022 |  |  | MX150 20W PANEL MOUNT ASSY    |  |                            |                 |                        |
|                                                                                                                           | ANGULAR TOL ± 0.5°                                                                                                                            |  |       |  |                                                                                                                    |  |  |                               |  |                            |                 |                        |
|                                                                                                                           | 4 PLACES                                                                                                                                      |  | ± 0   |  |                                                                                                                    |  |  |                               |  |                            |                 |                        |
|                                                                                                                           | 3 PLACES                                                                                                                                      |  | ± 0   |  | INITIAL REVISION:<br>DRWN: WKHE<br>APPR:                                                                           |  |  | DOCUMENT NUMBER<br>2144680001 |  | DOC TYPE<br>PSD            | DOC PART<br>000 | REVISION<br>B3         |
|                                                                                                                           | 2 PLACES                                                                                                                                      |  | ± 0.1 |  |                                                                                                                    |  |  |                               |  |                            |                 |                        |
|                                                                                                                           | 1 PLACE                                                                                                                                       |  | ± 0.2 |  | THIRD ANGLE PROJECTION<br>DRAWING<br>SERIES<br>D-SIZE 214468                                                       |  |  | MATERIAL NUMBER<br>SEE BOM    |  | CUSTOMER<br>GENERAL MARKET |                 | SHEET NUMBER<br>6 OF 9 |
|                                                                                                                           | 0 PLACES                                                                                                                                      |  | ± 0   |  |                                                                                                                    |  |  |                               |  |                            |                 |                        |
|                                                                                                                           | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                                                                                       |  |       |  |                                                                                                                    |  |  |                               |  |                            |                 |                        |

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| DOCUMENT STATUS | Approved | RELEASE DATE | 29-Sep-2022 11:04:41 |
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|-----------------------|
| SHEET DESCRIPTION     |
| PANEL MOUNT INTERFACE |

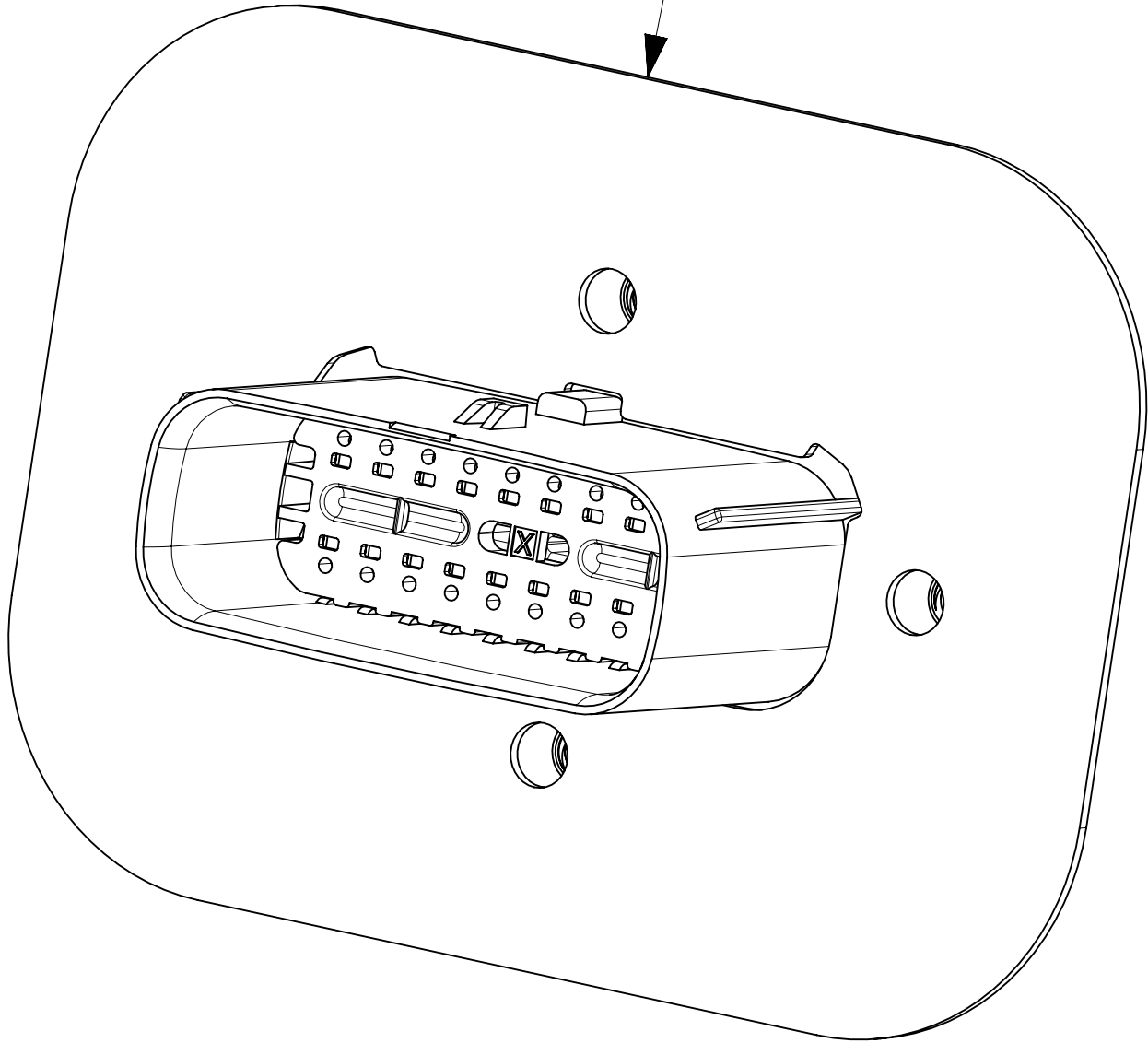
IF PANEL MOUNT INTERFACE IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHROUDS.



PANEL MOUNT INTERFACE NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
  - a. DESIGNED TO MATE WITH MOLEX CONNECTOR SERIES #33472
  - b. ALL DIMENSIONS SHOWN IN MILLIMETERS
2. MATERIALS:
  - a. MATERIAL: COLD ROLLED STEEL  
PER GMW3032M-ST-S-CR210B2-HD60G60G-U
  - b. COATING: (ANTI CORROSION) REQUIRED
3. GEOMETRY
  - a. THIS IS 100% CAD GENERATED PART, THE CAD MATHMATICAL DATA IS THE MASTER FOR THIS PART, FOR THE DIMENSIONAL OR ANY INFORMATION NOT SHOWING ON THIS DRAWING, CONTACT MOLEX FOR CAD TO ANALYZE THE MODEL,
  - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
  - c. GENERAL TOLERANCES: SEE TITLE BLOCK
  - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
4. MANUFACTURING:
  - a. NO PARTING LINES, SCRATCHES, DENTS, OR MISMATCHES PERMISSBLE WITHIN SEALING SURFACE. SURFACE FINISH: 3.5um MAXIMUM RA SCALE
5. FASTENER:
  - a. FOUR BOLTS ARE REQUIRED TO RETAIN THE PANEL MOUNT CONNECTOR TO THE MATING PANEL MOUNT INTERFACE.
  - b. ONLY USE BOLTS THAT ADHERE TO THE DEFINITION SHOWN IN THE VIEWS ON SHEET 8.

THE INTERFACE IS NOT AN ACTUAL PART. IT CAN'T BE SOLD, BUT NEEDS TO BE DESIGNED IN ON THE CUSTOMER'S SIDE.

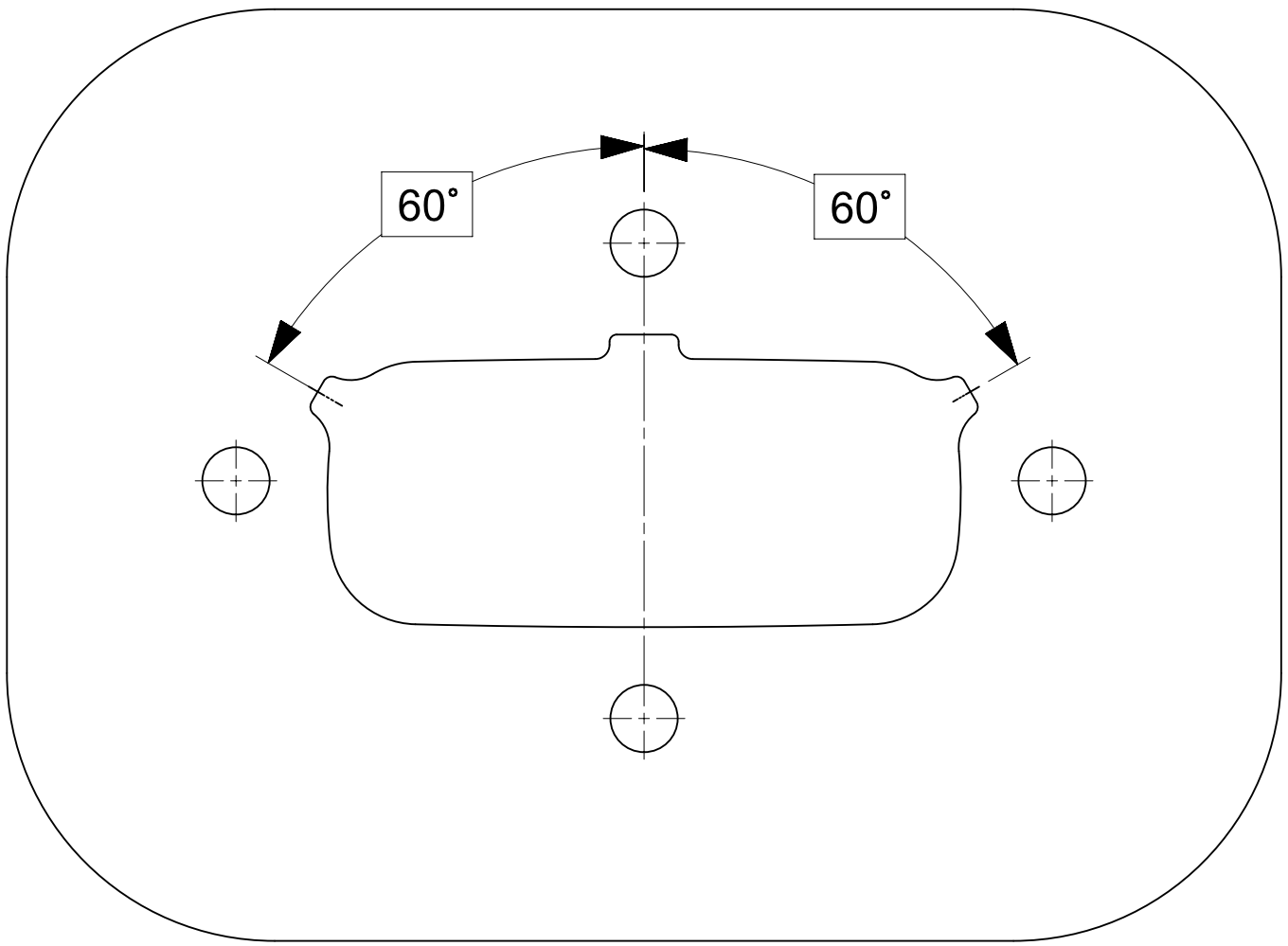


| SYMBOLS                                                                                                                                                                                                                                                                                                                                                                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |                                                                                                                    |        |         |        |        |                            |                 |                |          |        |              |
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| <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> <div><div></div><div>= 0</div></div> | DIMENSION UNITS                                                                                                                               |  | SCALE |  | CURRENT REV DESC:                                                                                                  |        |         |        |        | <div>molex</div>           |                 |                |          |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                   | mm                                                                                                                                            |  | 2:1   |  |                                                                                                                    |        |         |        |        |                            |                 |                |          |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                   | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |  | EC NO: CO-000000037<br>DRWN: Xu Yang 30-Jun-2022<br>CHK'D: Elvis Song 29-Sep-2022<br>APPR: Colin Zhang 29-Sep-2022 |        |         |        |        | MX150 20W PANEL MOUNT ASSY |                 |                |          |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                   | ANGULAR TOL ± 0.5°                                                                                                                            |  |       |  |                                                                                                                    |        |         |        |        |                            |                 |                |          |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                   | 4 PLACES                                                                                                                                      |  | ± 0   |  |                                                                                                                    |        |         |        |        |                            |                 |                |          |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                   | 3 PLACES                                                                                                                                      |  | ± 0   |  | INITIAL REVISION:<br>DRWN: WKHE<br>APPR:                                                                           |        |         |        |        | PRODUCT SALES DRAWING      |                 |                |          |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                   | 2 PLACES                                                                                                                                      |  | ± 0.1 |  |                                                                                                                    |        |         |        |        |                            |                 |                |          |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                   | 1 PLACE                                                                                                                                       |  | ± 0.2 |  | DOCUMENT NUMBER<br>2144680001                                                                                      |        |         |        |        | DOC TYPE                   | DOC PART        | REVISION       |          |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                   | 0 PLACES                                                                                                                                      |  | ± 0   |  |                                                                                                                    |        |         |        |        |                            |                 |                |          | PSD    | 000          |
|                                                                                                                                                                                                                                                                                                                                                                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | THIRD ANGLE PROJECTION                                                                                             |        | DRAWING |        | SERIES |                            | MATERIAL NUMBER |                | CUSTOMER |        | SHEET NUMBER |
|                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                               |  |       |  |                                                                                                                    | D-SIZE |         | 214468 |        | SEE BOM                    |                 | GENERAL MARKET |          | 7 OF 9 |              |

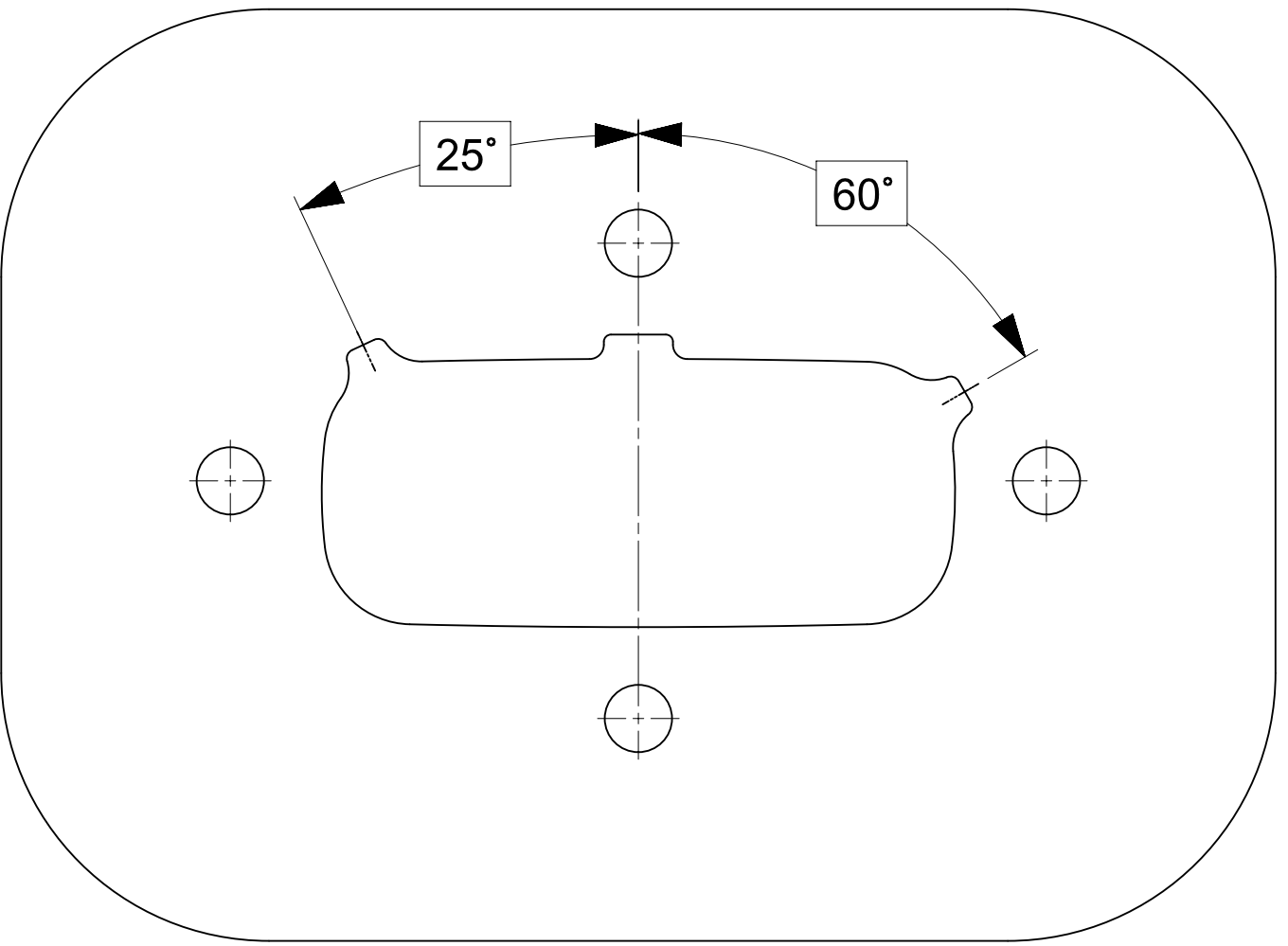


|                       |
|-----------------------|
| SHEET DESCRIPTION     |
| PANEL MOUNT INTERFACE |

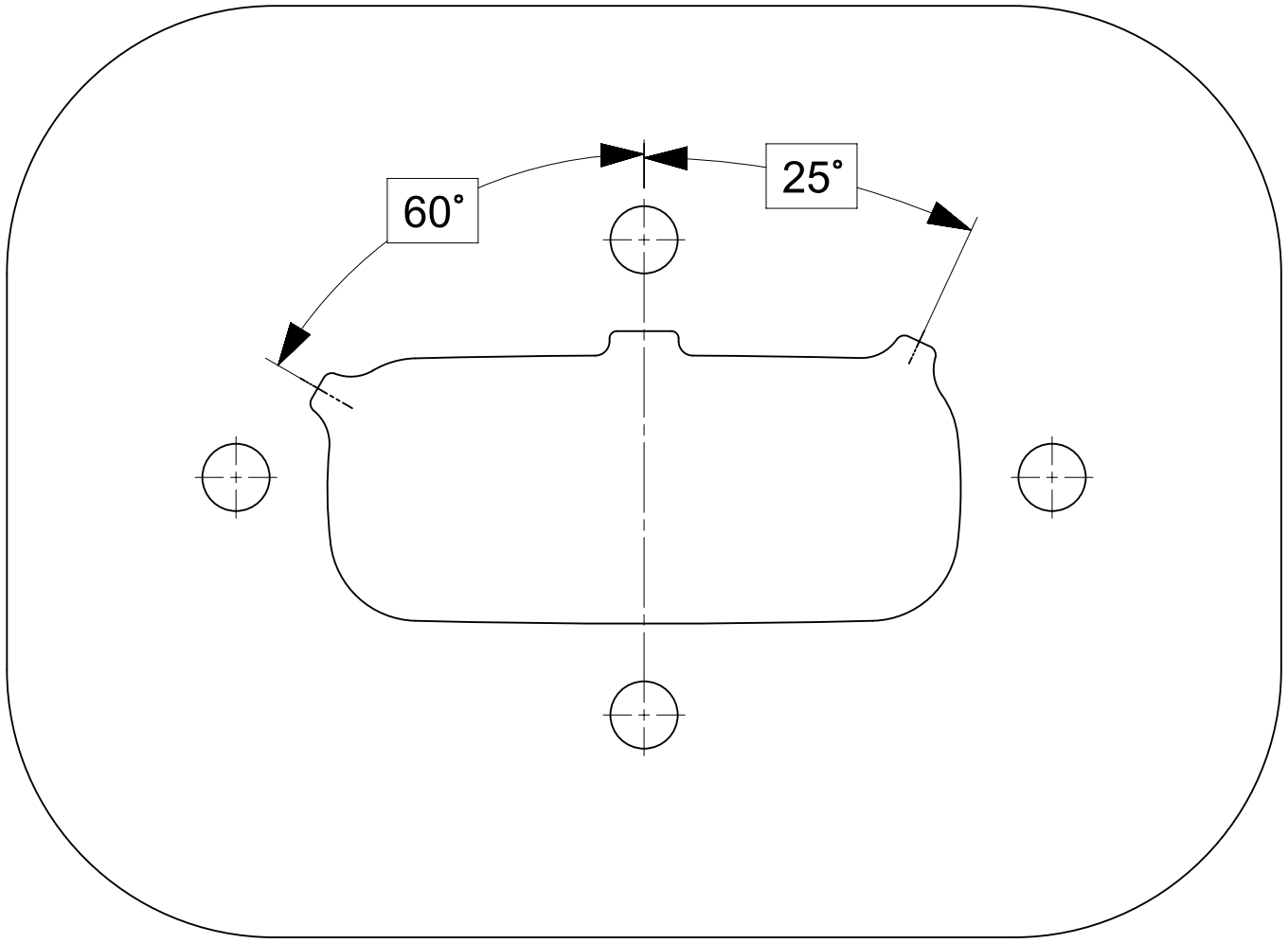
KEY DEFINITION



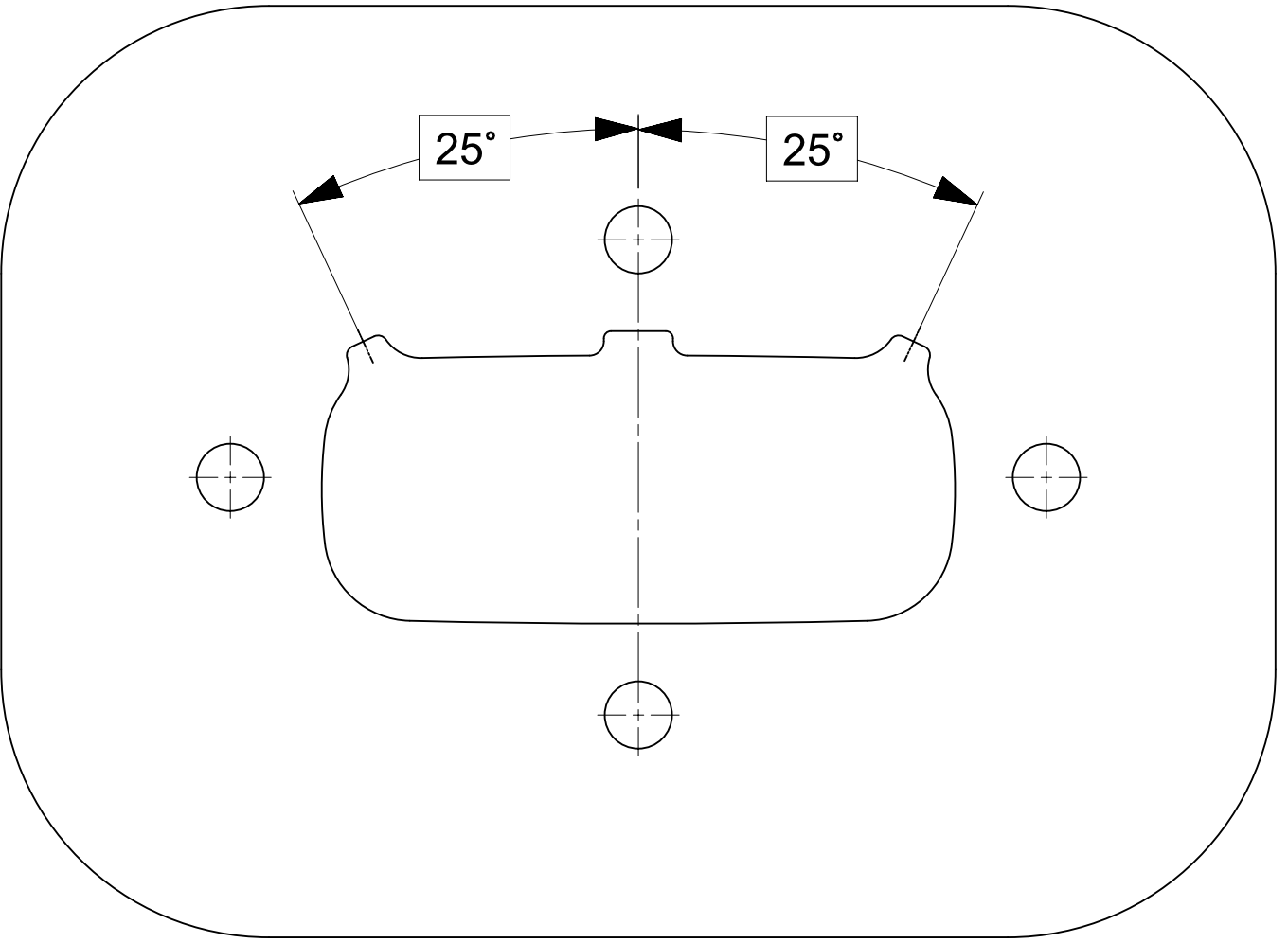
KEY A



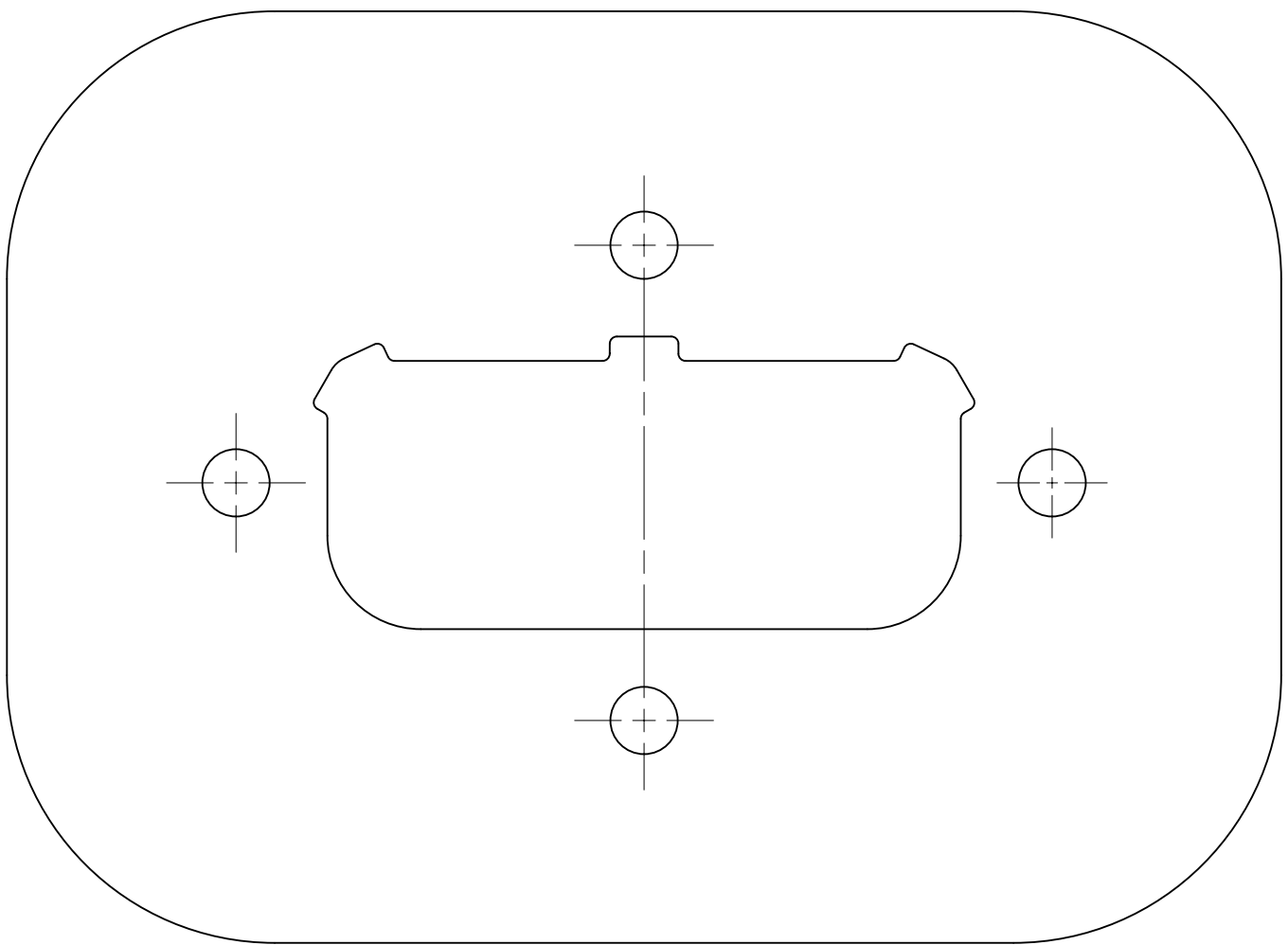
KEY B



KEY C



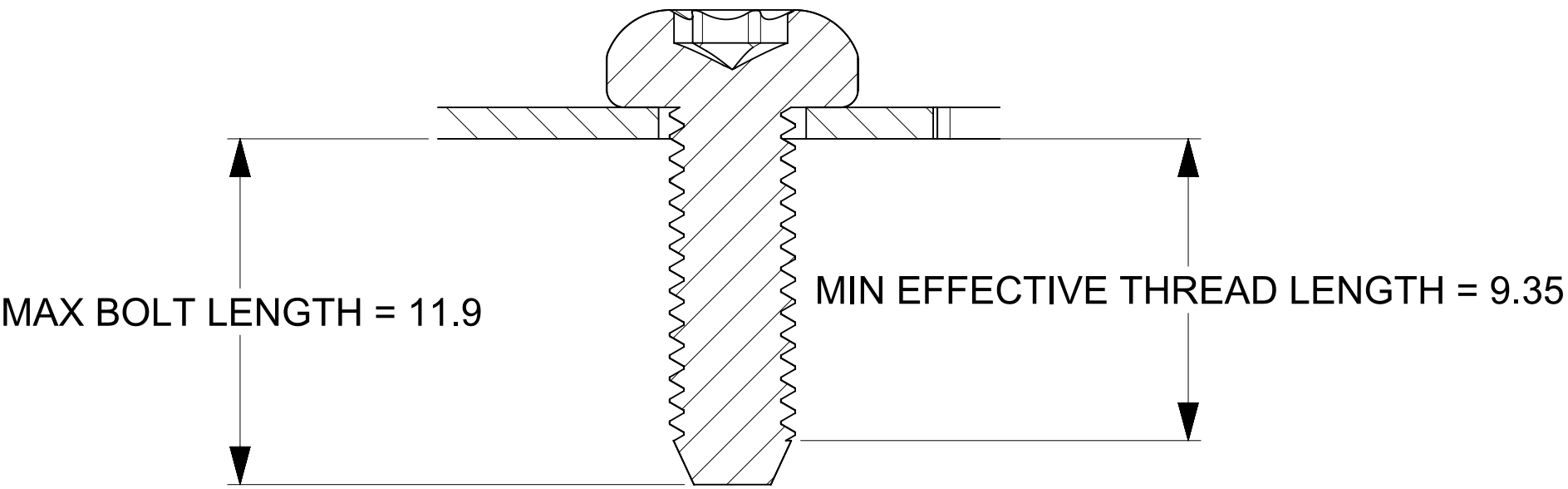
KEY D



UNIVERSE KEY

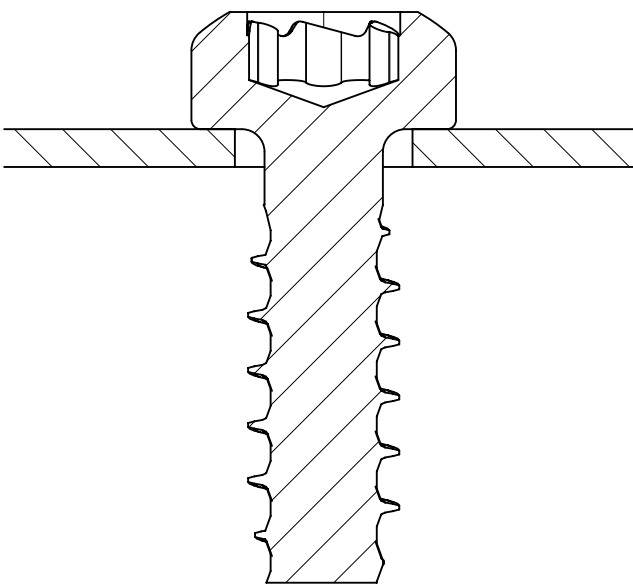
BUSHING VERSION

M4 X 0.7 PER ISO 14583-2011  
BOLT GRADE IS 8.8 Min  
SCREW TORQUE REFER TO 2144680001-AS



SELF-TAPPING VERSION

EJOT Delta PT Schraube WN5452 40x12  
SCREW TORQUE REFER TO 2144680001-AS



BOLT DEFINITION

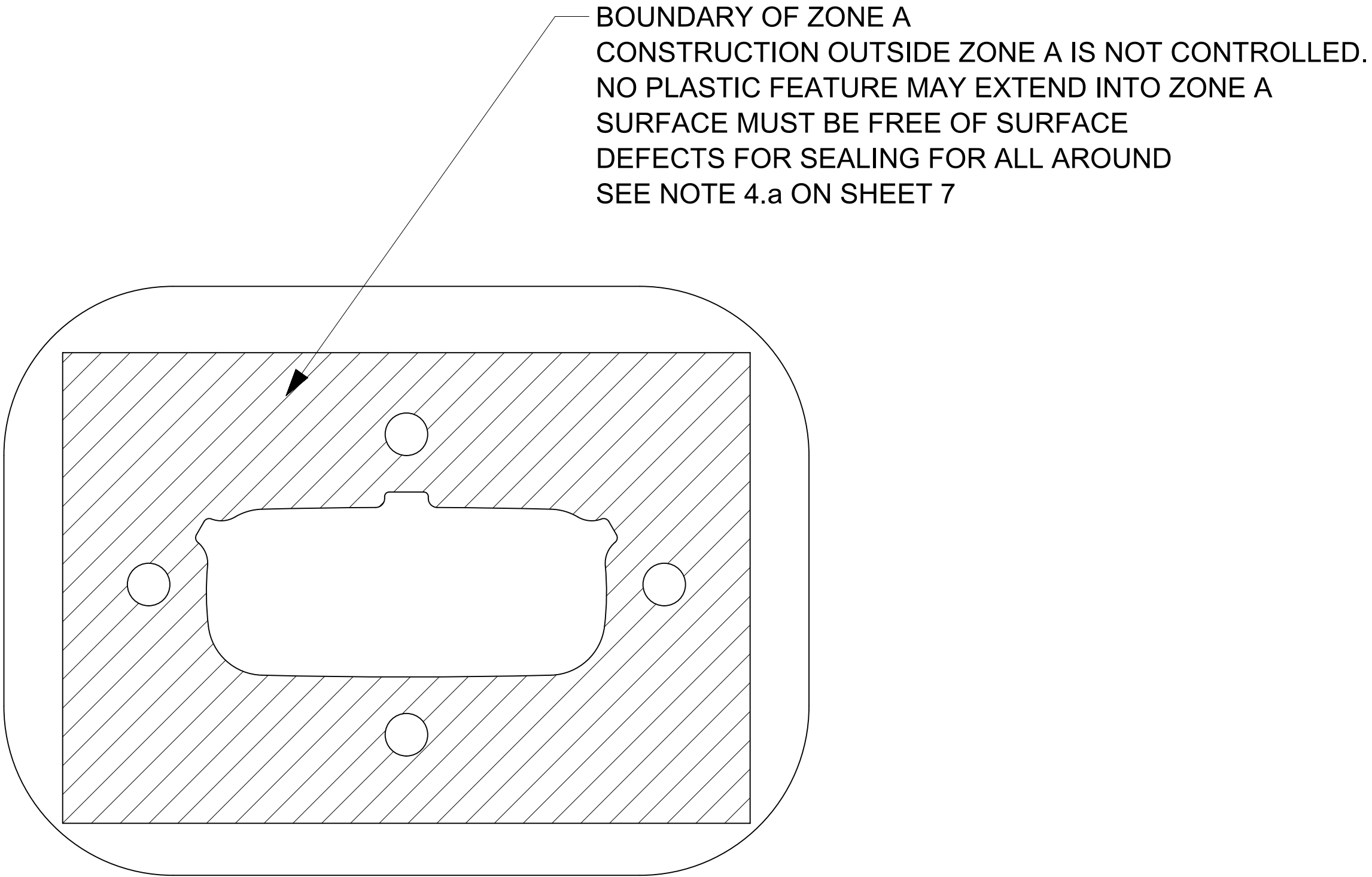
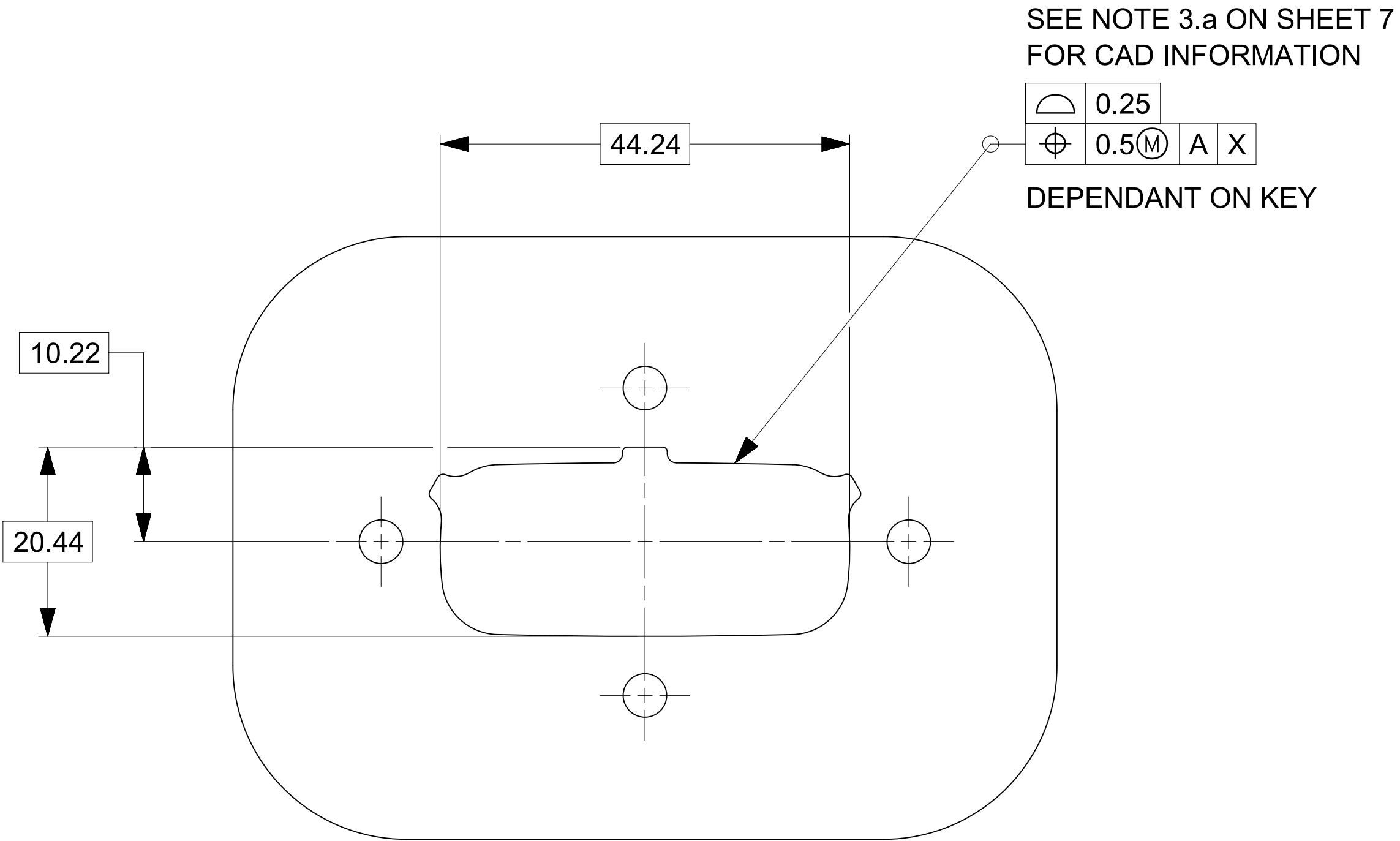
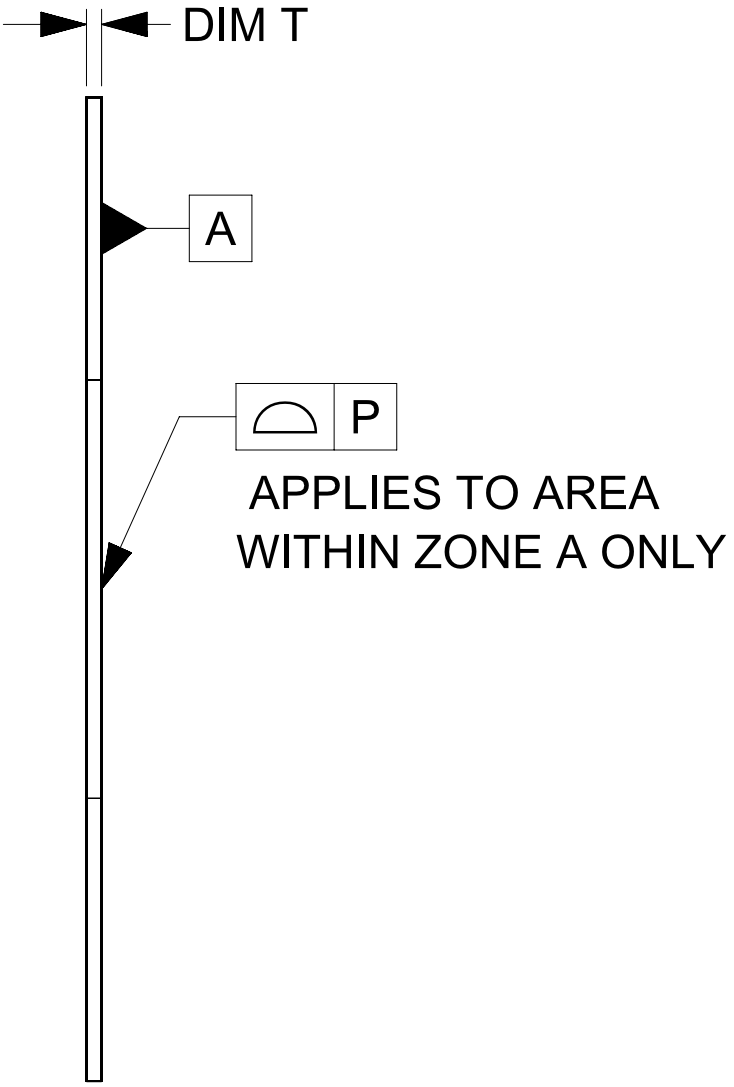
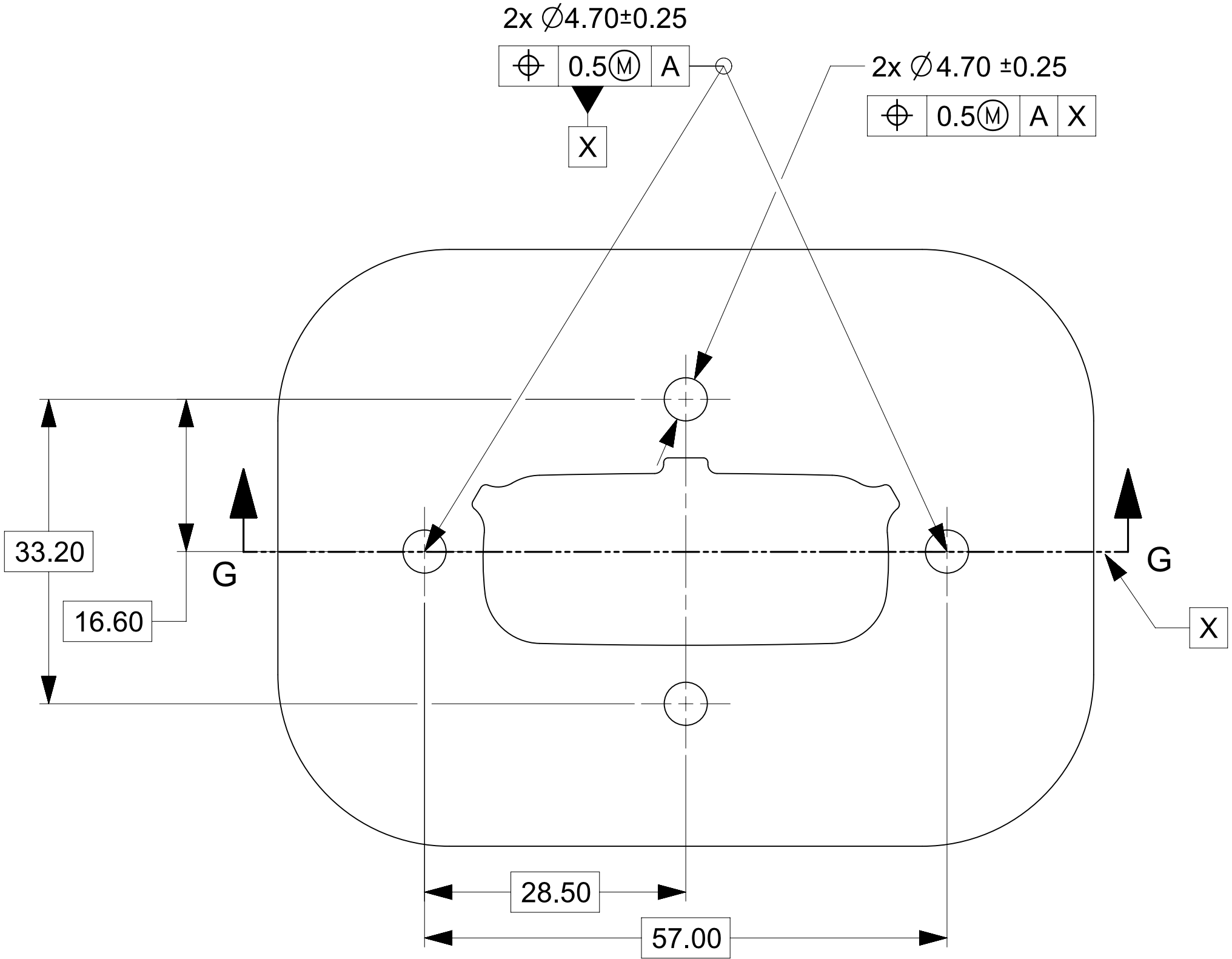
| SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |       | CURRENT REV DESC:                                                                                                                                              |  |  |  | molex                      |                |              |          |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------|----------------|--------------|----------|
|         | DIMENSION                                                                                                                                     | UNITS | SCALE |                                                                                                                                                                |  |  |  |                            |                |              |          |
| = 0     |                                                                                                                                               | mm    | 2:1   | EC NO: CO-000000037<br>DRWN: Xu Yang 30-Jun-2022<br>CHK'D: Elvis Song 29-Sep-2022<br>APPR: Colin Zhang 29-Sep-2022<br>INITIAL REVISION:<br>DRWN: WKHE<br>APPR: |  |  |  | MX150 20W PANEL MOUNT ASSY |                |              |          |
| = 0     | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |       |       |                                                                                                                                                                |  |  |  |                            |                |              |          |
| = 0     | ANGULAR TOL                                                                                                                                   | ±     | 0.5°  |                                                                                                                                                                |  |  |  | PRODUCT SALES DRAWING      |                |              |          |
| = 0     | 4 PLACES                                                                                                                                      | ±     | 0     |                                                                                                                                                                |  |  |  | DOCUMENT NUMBER            | DOC TYPE       | DOC PART     | REVISION |
| = 0     | 3 PLACES                                                                                                                                      | ±     | 0     |                                                                                                                                                                |  |  |  | 2144680001                 | PSD            | 000          | B3       |
| = 0     | 2 PLACES                                                                                                                                      | ±     | 0.1   | THIRD ANGLE PROJECTION<br>                                                                                                                                     |  |  |  | D-SIZE 214468              |                |              |          |
| = 0     | 1 PLACE                                                                                                                                       | ±     | 0.2   |                                                                                                                                                                |  |  |  |                            |                |              |          |
| = 0     | 0 PLACES                                                                                                                                      | ±     | 0     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                                           |  |  |  | MATERIAL NUMBER            | CUSTOMER       | SHEET NUMBER |          |
| = 0     |                                                                                                                                               |       |       |                                                                                                                                                                |  |  |  | SEE BOM                    | GENERAL MARKET | 8 OF 9       |          |

|                 |          |              |                      |
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| DOCUMENT STATUS | Approved | RELEASE DATE | 29-Sep-2022 11:04:41 |
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| SHEET DESCRIPTION     |
|-----------------------|
| PANEL MOUNT INTERFACE |

| PANEL THICKNESS AND PROFILE TABLE       |                                   |
|-----------------------------------------|-----------------------------------|
| PANEL THICKNESS<br>T (mm) POST ECOATING | PANEL PROFILE TOLERANCE<br>P (mm) |
| 1.0 MIN ≤ T ≤ 1.5                       | 0.5                               |
| 1.5 < T ≤ 2.2                           | 0.3                               |
| 2.2 < T ≤ 3.1 MAX                       | 0.2                               |



| SYMBOLS         |  |  |  |  |  |  |  |  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| DIMENSION UNITS |  |  |  |  |  |  |  |  |  | SCALE                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | mm                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | 2:1                                                                                                                                           |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | ANGULAR TOL ± 0.5°                                                                                                                            |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | 4 PLACES ± 0                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | 3 PLACES ± 0                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | 2 PLACES ± 0.1                                                                                                                                |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | 1 PLACE ± 0.2                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | 0 PLACES ± 0                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | THIRD ANGLE PROJECTION                                                                                                                        |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | DRAWING                                                                                                                                       |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | SERIES                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | D-SIZE 214468                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | MATERIAL NUMBER                                                                                                                               |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | CUSTOMER                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | SHEET NUMBER                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| = 0             |  |  |  |  |  |  |  |  |  | 9 OF 9                                                                                                                                        |  |  |  |  |  |  |  |  |  |

| DOCUMENT STATUS | Approved | RELEASE DATE | 29-Sep-2022 11:04:41 |
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**molex**

MX150 20W PANEL MOUNT ASSY

PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|-----------------|----------|----------|----------|
| 2144680001      | PSD      | 000      | B3       |

| MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
|-----------------|----------------|--------------|
| SEE BOM         | GENERAL MARKET | 9 OF 9       |