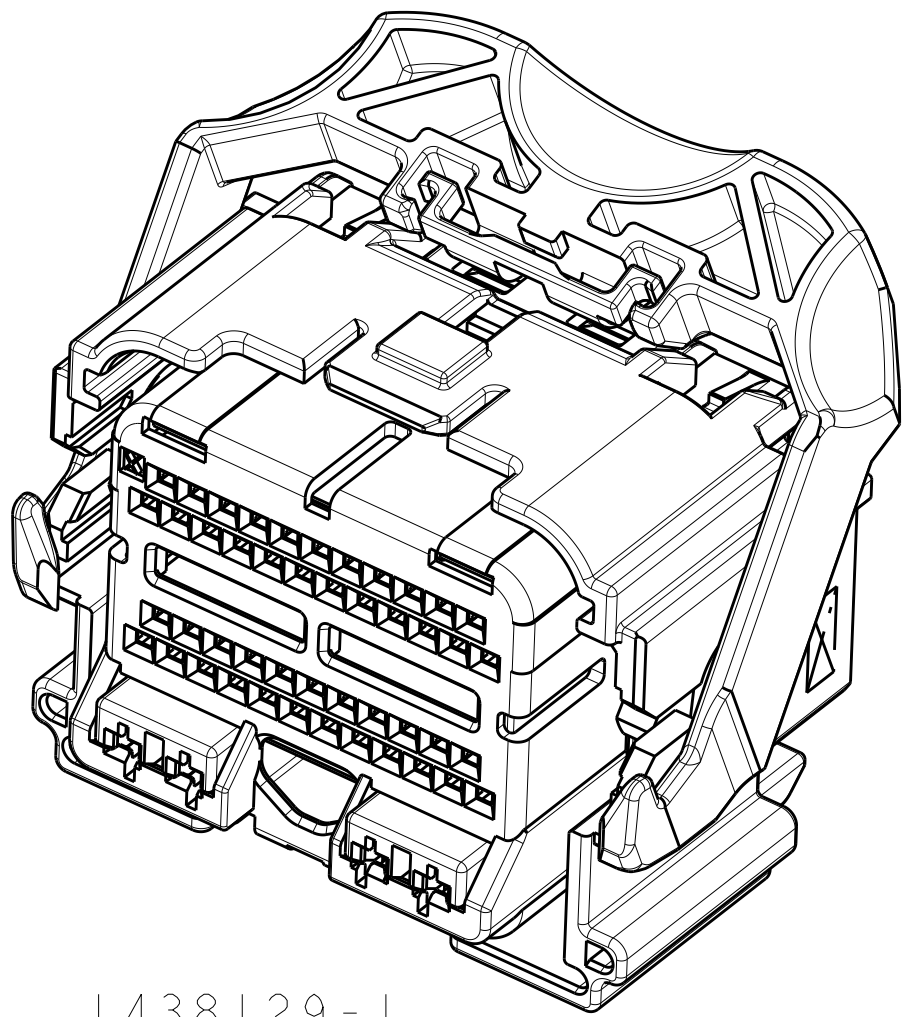
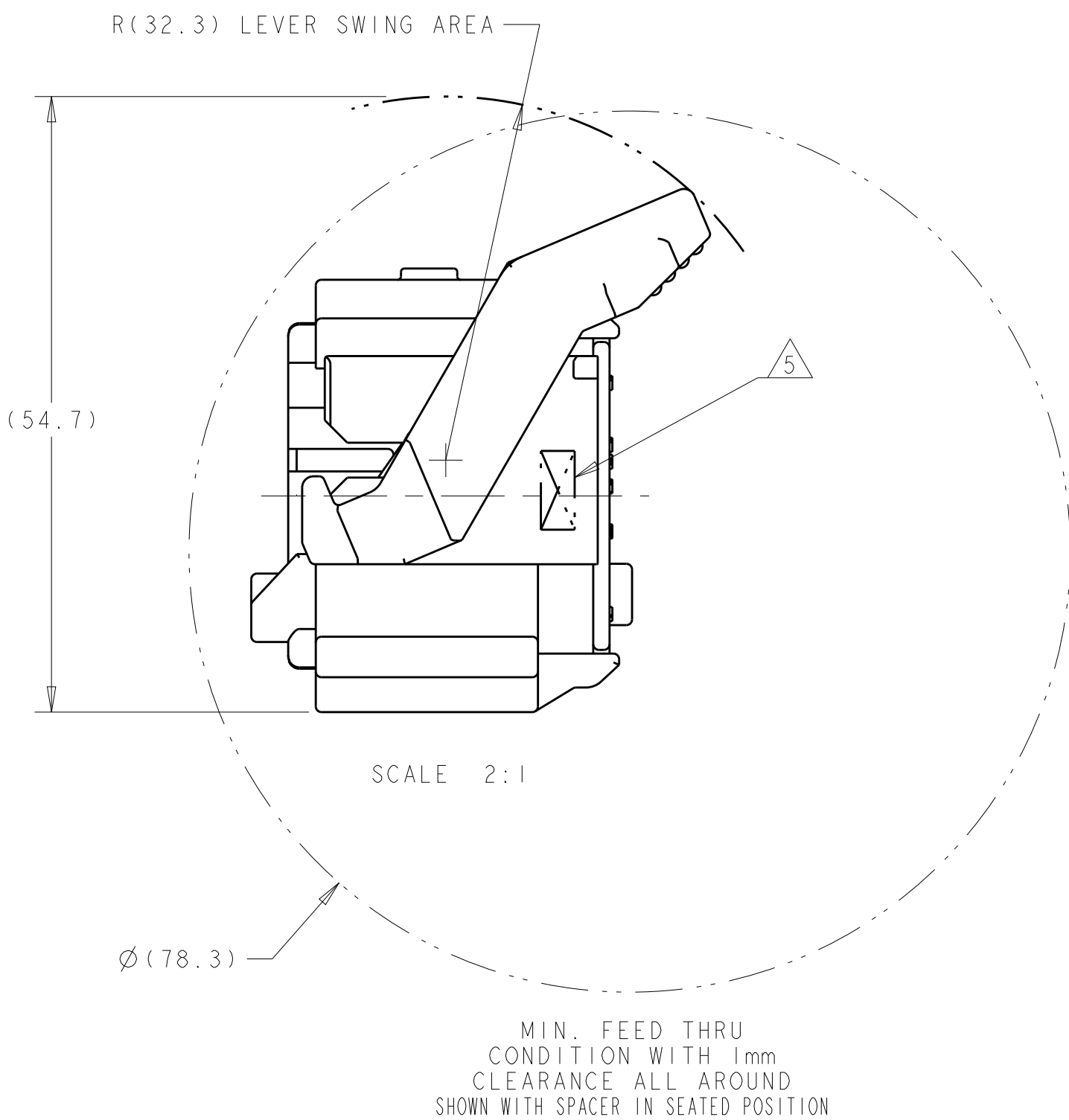
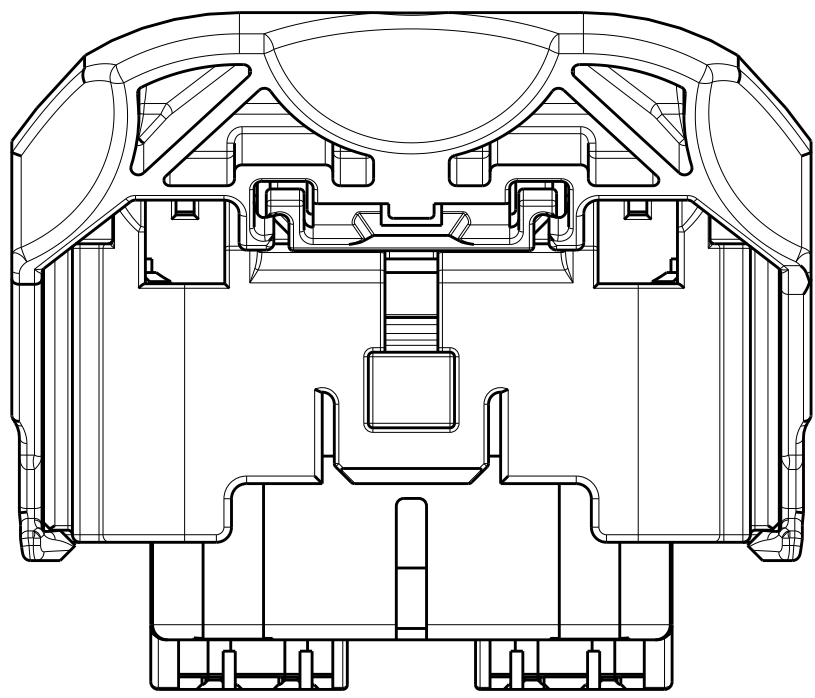


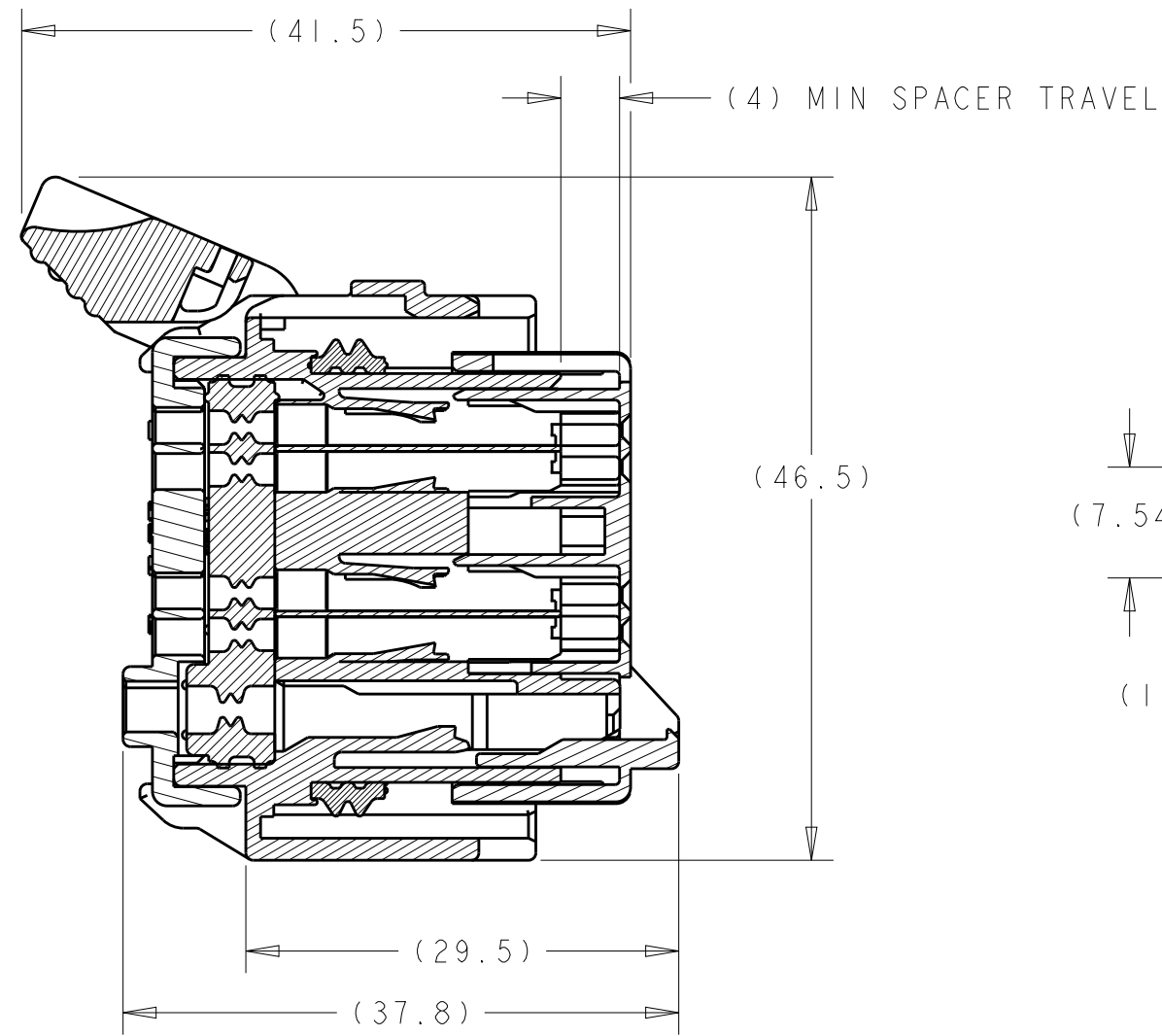


1438129-1  
SHOWN WITH SPACER  
IN SEATED POSITION

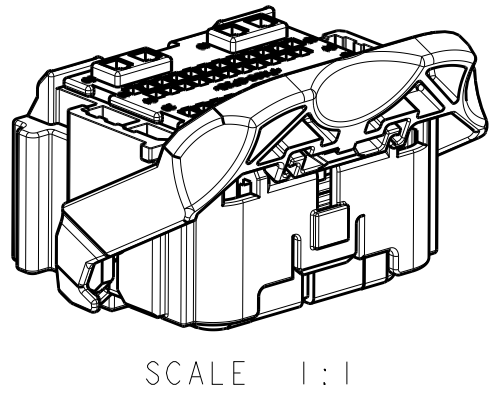
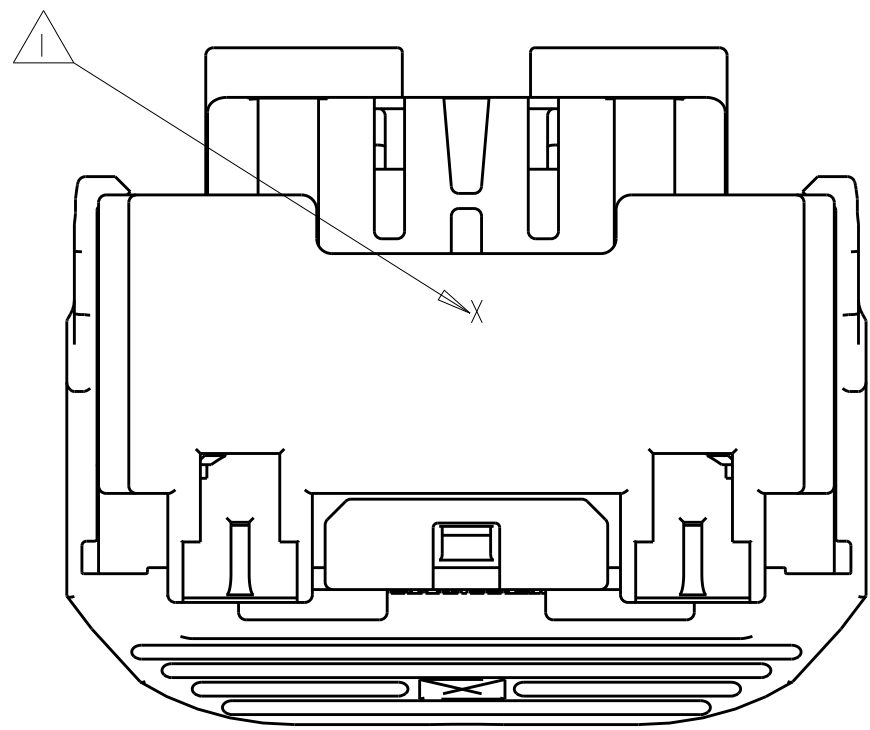
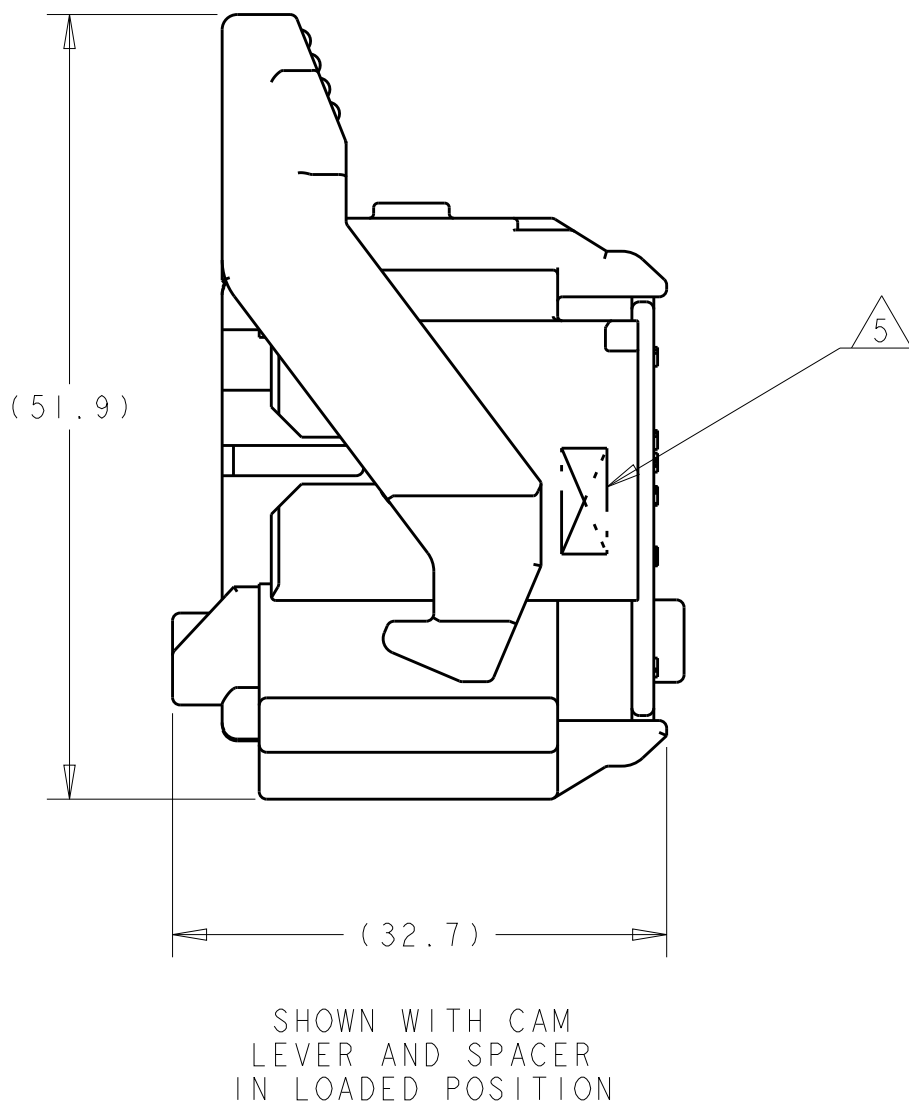
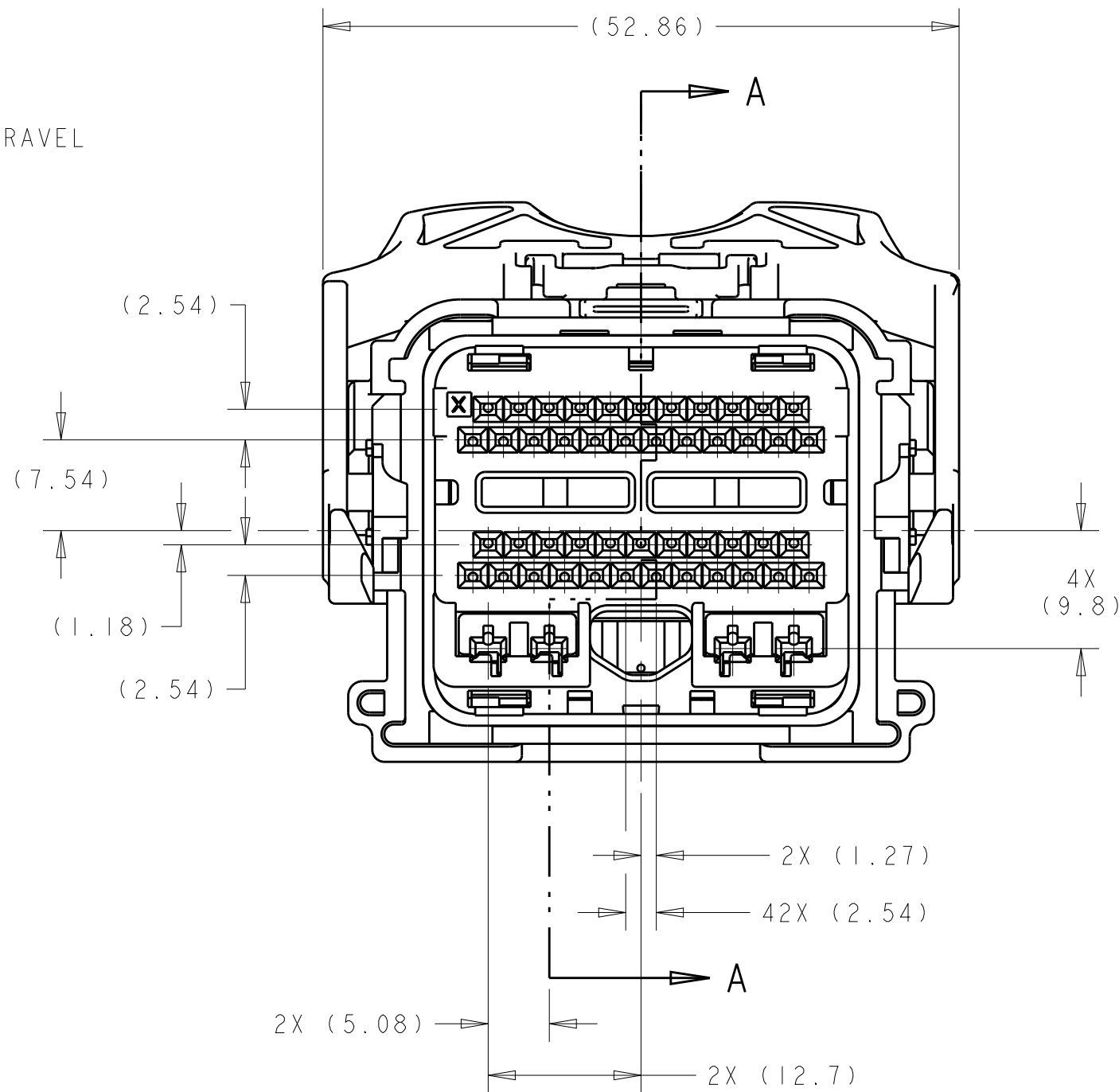


| REVISIONS |      |                           |           |      |       |
|-----------|------|---------------------------|-----------|------|-------|
| P.        | LTR. | DESCRIPTION               | DATE      | DWN. | APVD. |
| F32       |      | REVISED PER ECO-16-003418 | 08MAR2016 | DLD  | DCM   |
| F33       |      | REVISED PER ECO-16-018427 | 25JAN2017 | DLD  | DCM   |
| F34       |      | REVISED PER ECO-17-007768 | 30MAY2017 | DLD  | DCM   |
| F35       |      | REVISED PER ECO-17-014872 | 24OCT2017 | JMS  | CM    |

1. PRINT PART NUMBER (5S4T-14A464-L\*-\*\*\*, 5S4T-14A464-M\*-\*\*\*, 5S4T-14A464-N\*-\*\*\*) AND TRACEABILITY (YY : 2 DIGIT YEAR, JJJ = JULIAN DATE, HH = 2 DIGIT MILITARY HOUR CODE IN THE LOCATION AT ASSEMBLY. SEE SHEET 3 THRU 7 (-\*) PART NUMBERS.
2. APPLICABLE MOLEX (1.5) POWER TERMINAL PART NUMBERS:  
33012-0002 TIN 0.50-1.50mm<sup>2</sup>
3. CAM LEVER AND SPACER ARE SHIPPED IN THEIR PRE-ASSEMBLED POSITIONS.
4. REFERENCE TE CONNECTIVITY INSTRUCTION SHEET 408-8893.
5. COMPANY LOGO.



SECTION A-A  
SPACER AND LEVER IN  
PRE-SEATED POSITION  
(DELIVERY CONDITION)



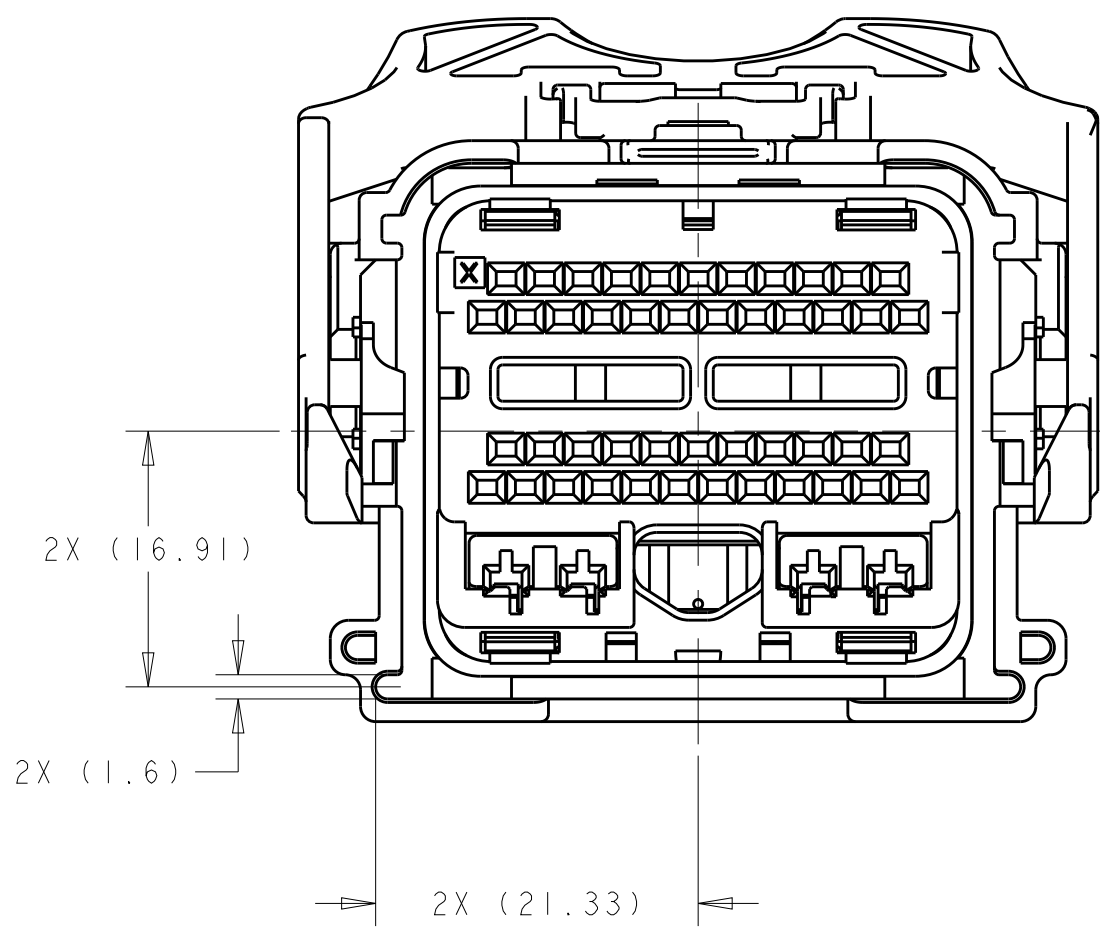
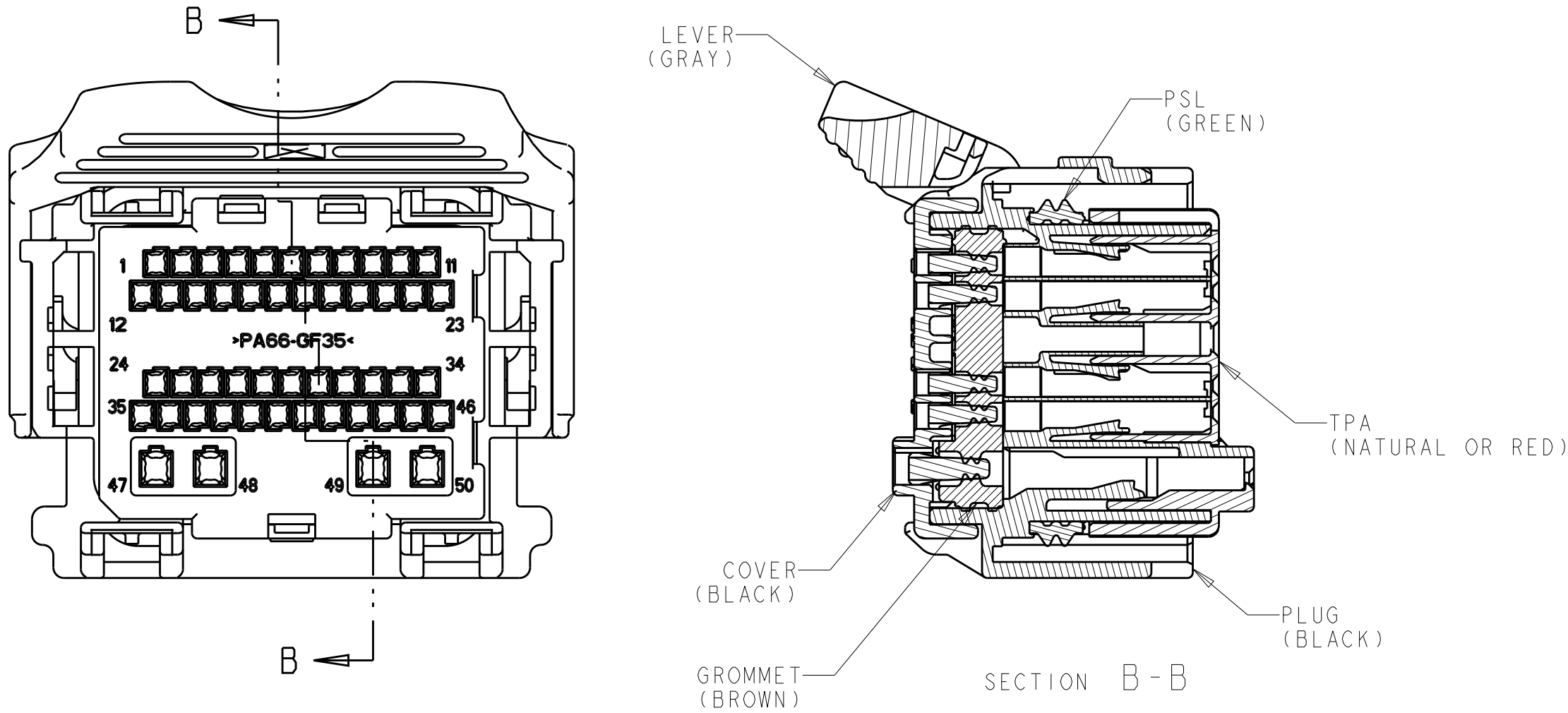
SCALE 1:1

| APPLICABLE COMPONENTS (FOR REFERENCE ONLY) |                          |                   |                               |                         |                                  |                  |
|--------------------------------------------|--------------------------|-------------------|-------------------------------|-------------------------|----------------------------------|------------------|
| DESCRIPTION                                | NOMINAL<br>TERMINAL SIZE | COLOR/<br>PLATING | FORD COMPONENT<br>PART NUMBER | SUPPLIER<br>PART NUMBER | MATERIAL/SPECIFICATION<br>NUMBER | SAE<br>WIRE SIZE |
| TERMINAL - FEMALE (Ag)                     | 0.64 (CAT. 0)            | SILVER            | 7S4T-14474-AA                 | 1393366-2               | COPPER ALLOY/SILVER PLATE        | 20AWG            |
|                                            |                          |                   |                               |                         |                                  | 18AWG            |
| TERMINAL - FEMALE (Ag)                     | 0.64 (CAT. 0)            | SILVER            | 7S4T-14474-BA                 | 1393367-2               | COPPER ALLOY/SILVER PLATE        | 22AWG            |
|                                            |                          |                   |                               |                         |                                  |                  |
| TERMINAL - FEMALE (Sn)                     | 0.64 (CAT. 0)            | TIN               | 1L2T-14474-AA                 | 1393366-1               | COPPER ALLOY/TIN PLATE           | 20AWG            |
|                                            |                          |                   |                               |                         |                                  | 18AWG            |
| TERMINAL - FEMALE (Sn)                     | 0.64 (CAT. 0)            | TIN               | 1L2T-14474-BA                 | 1393367-1               | COPPER ALLOY/TIN PLATE           | 22AWG            |
|                                            |                          |                   |                               |                         |                                  |                  |
| TERMINAL - FEMALE (Au)                     | 0.64 (CAT. 0)            | GOLD              | 1L2T-14474-CA                 | 1393365-1               | COPPER ALLOY/GOLD PLATE          | 20AWG            |
|                                            |                          |                   |                               |                         |                                  | 18AWG            |
| TERMINAL - FEMALE (Au)                     | 0.64 (CAT. 0)            | GOLD              | 1L2T-14474-DA                 | 1393364-1               | COPPER ALLOY/GOLD PLATE          | 22AWG            |

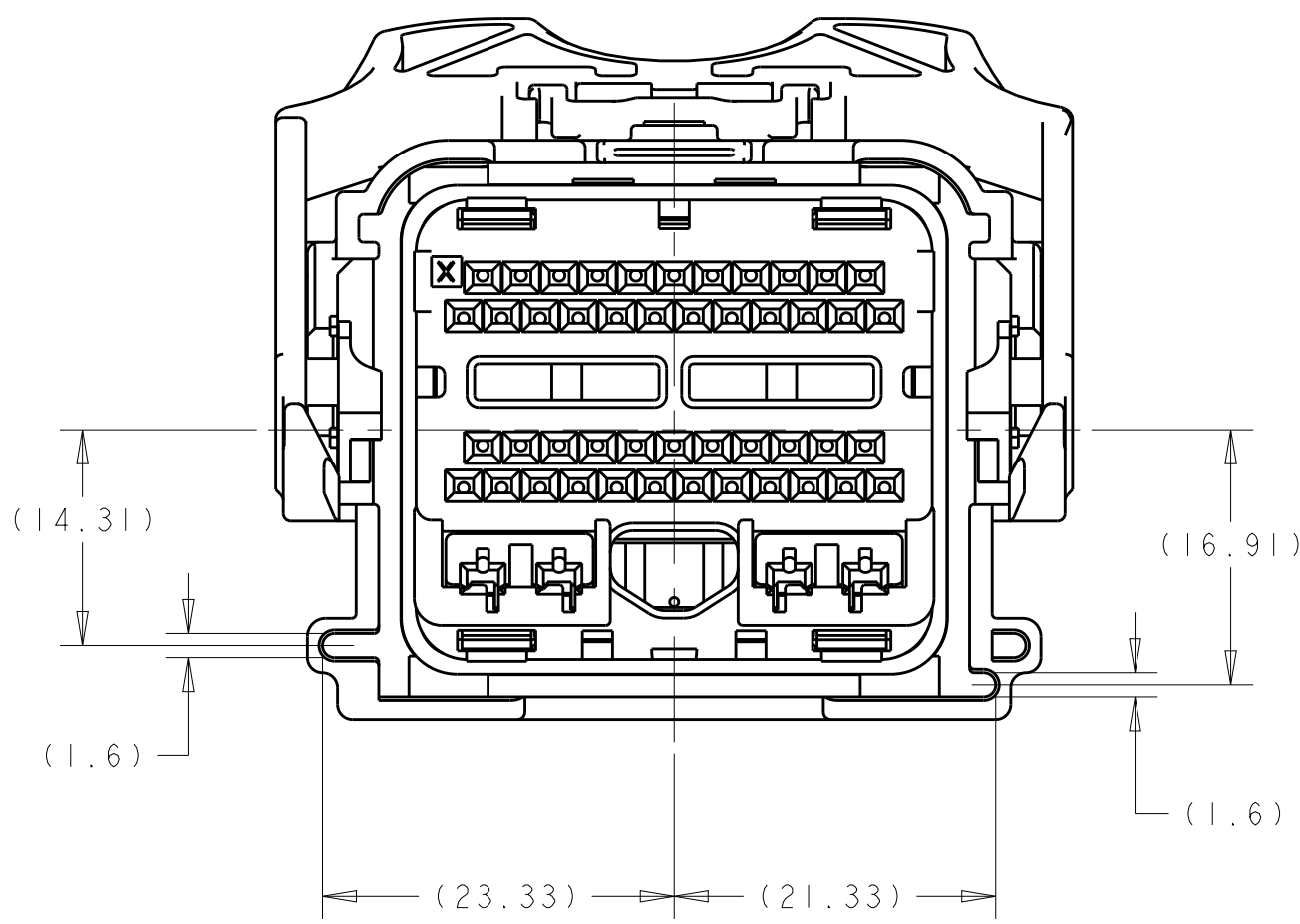
ANY DESIGN CHANGES ON THIS ASSEMBLY MAY  
ALSO BE REQUIRED ON ASSEMBLY DRAWING 1438691

|                                        |  |  |                           |  |                                         |  |
|----------------------------------------|--|--|---------------------------|--|-----------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  |  | DWN R. VESTAL 15APR2005   |  | <div>TE</div> TE Connectivity           |  |
|                                        |  |  | CHK T. VALASEK 15APR2005  |  |                                         |  |
| DIMENSIONS:                            |  |  | APVD T. VALASEK 15APR2005 |  | NAME<br>50-WAY HARNESS ASSEMBLY,<br>PCM |  |
| mm                                     |  |  | PRODUCT SPEC              |  |                                         |  |
|                                        |  |  | -                         |  |                                         |  |
|                                        |  |  | APPLICATION SPEC          |  |                                         |  |
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| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  |  | WEIGHT                    |  | SIZE                                    |  |
| 0 PLC ±.3                              |  |  | -                         |  | A 1 00779 C 1438129                     |  |
| 1 PLC ±0.3                             |  |  | -                         |  | DRAWING NO                              |  |
| 2 PLC ±0.10                            |  |  | -                         |  | RESTRICTED TO                           |  |
| 3 PLC ±.                               |  |  | -                         |  | -                                       |  |
| 4 PLC ±.                               |  |  | -                         |  | -                                       |  |
| ANGLES ±1°                             |  |  | -                         |  | -                                       |  |
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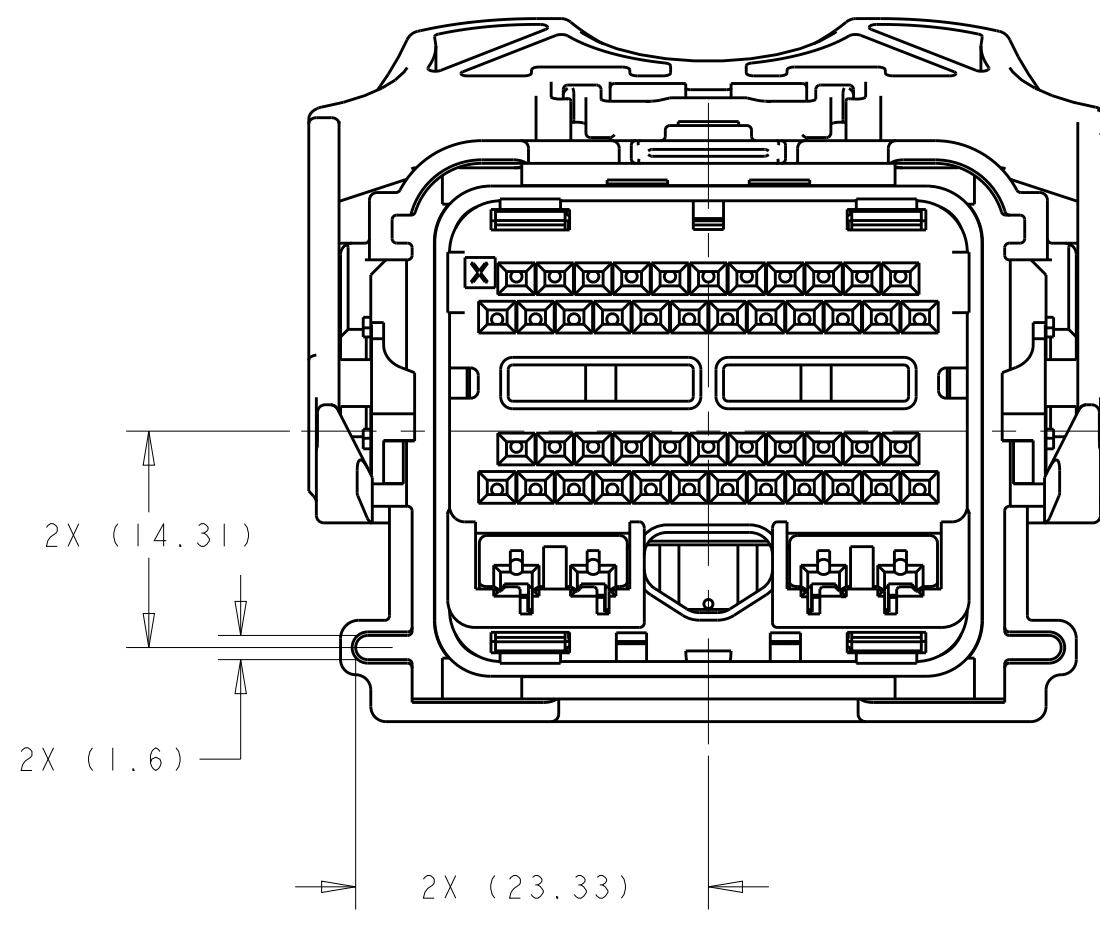
| REVISIONS |      |             |      |      |       |
|-----------|------|-------------|------|------|-------|
| P.        | LTR. | DESCRIPTION | DATE | DWN. | APVD. |
| -         | -    | SEE SHEET 1 | -    | -    | -     |
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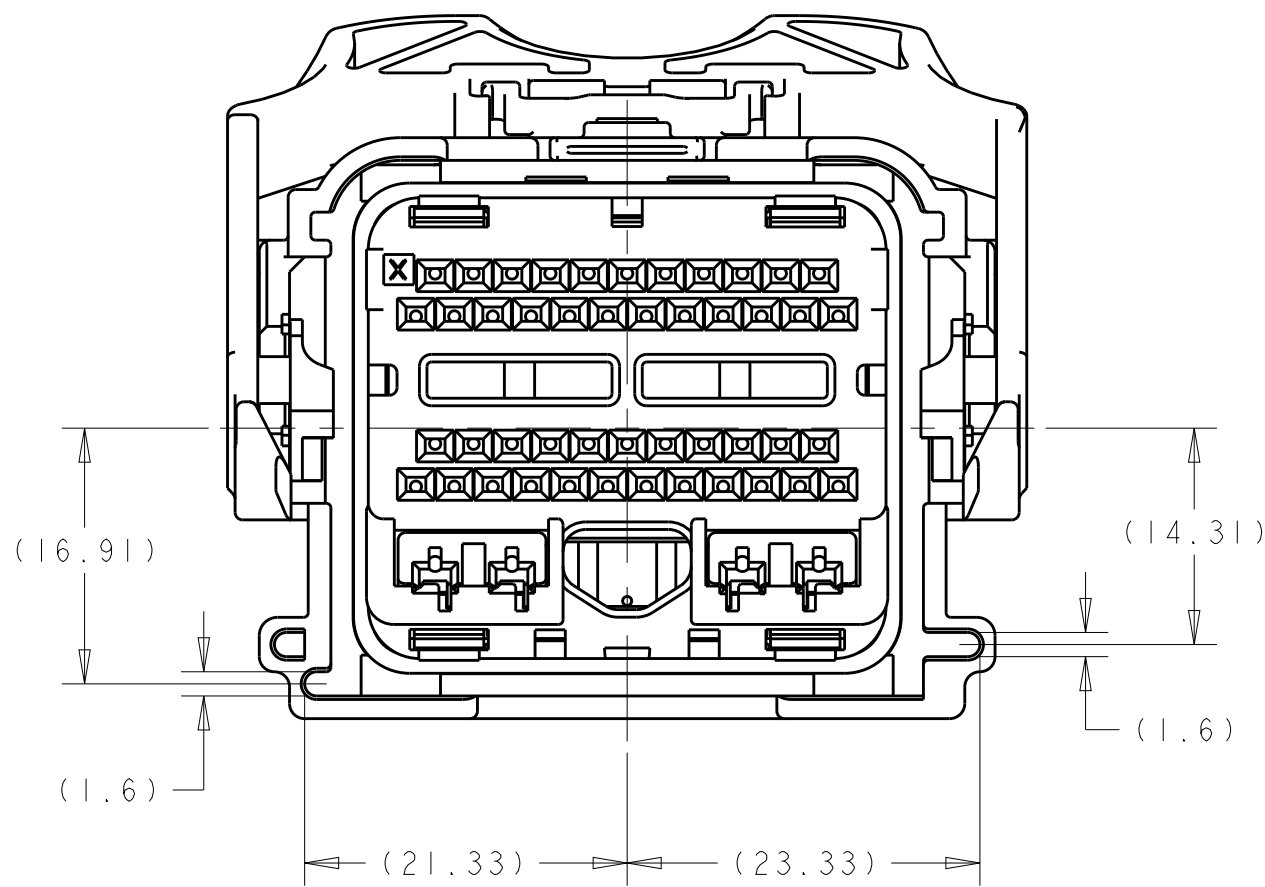
1438129-1  
KEYING OPTION "A"



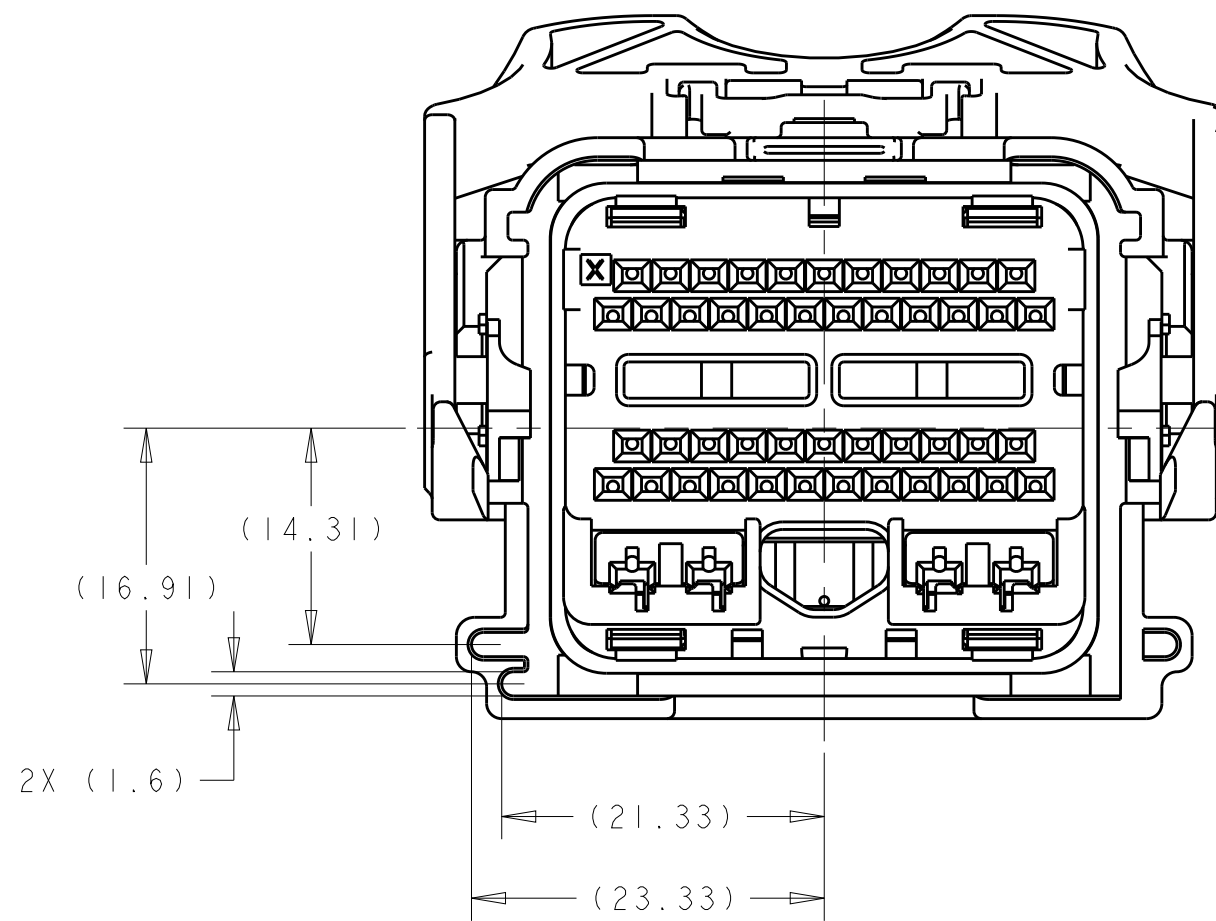
1438129-2  
KEYING OPTION "B"



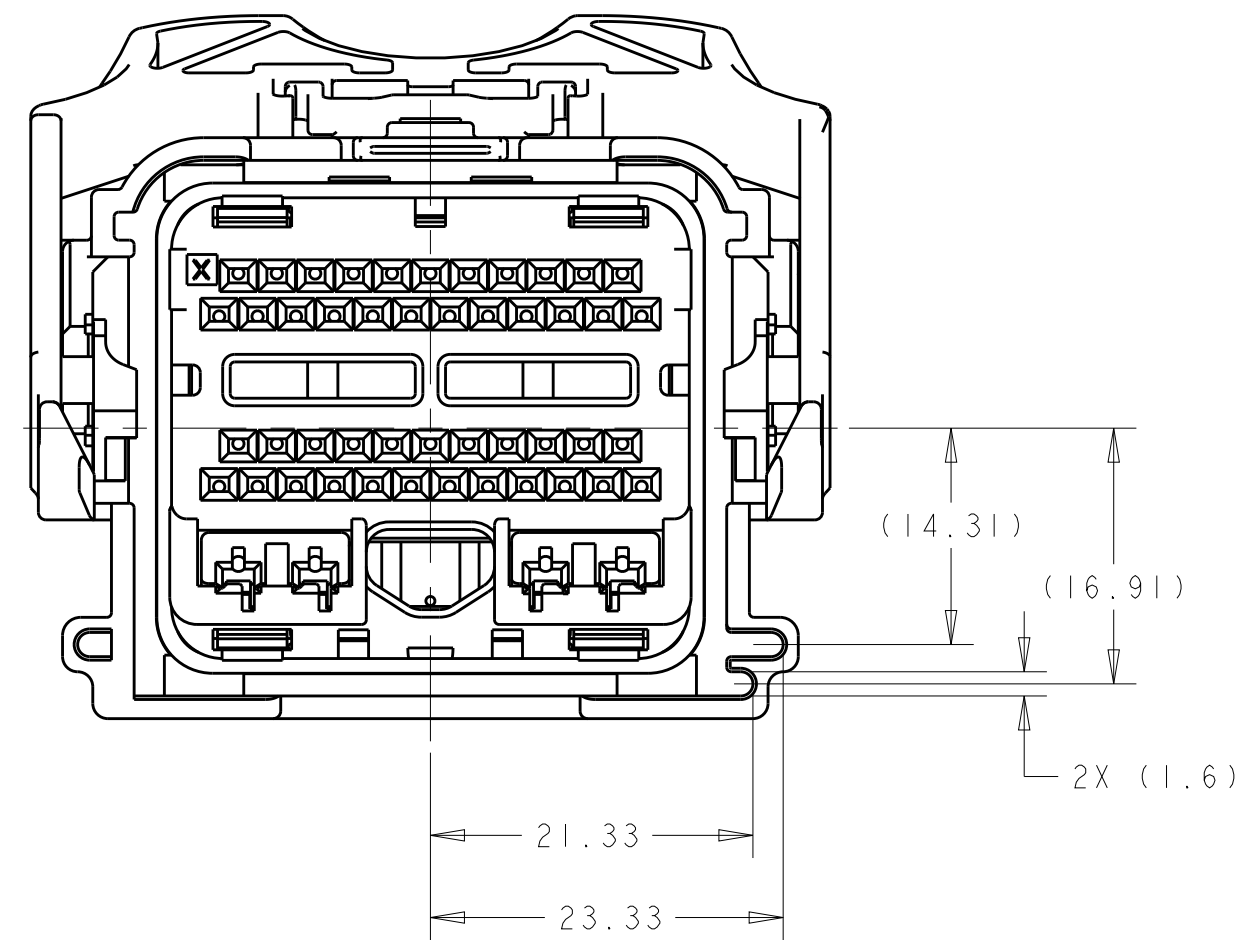
1438129-3  
KEYING OPTION "C"



1438129-4  
KEYING OPTION "D"



1438129-5  
KEYING OPTION "E"



1438129-6  
KEYING OPTION "F"

|                                        |                                                                                        |                                  |                                      |  |
|----------------------------------------|----------------------------------------------------------------------------------------|----------------------------------|--------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                        | DWN<br>R. VESTAL<br>15APR2005    | TE Connectivity                      |  |
| DIMENSIONS:                            |                                                                                        | CHK<br>T. VALASEK<br>15APR2005   |                                      |  |
| mm                                     | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                 | APVD<br>T. VALASEK<br>15APR2005  | NAME<br>50-WAY HARNESS ASSEMBLY, PCM |  |
|                                        | 0 PLC ±.3<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±.<br>4 PLC ±.<br>ANGLES ±1°<br>FINISH | PRODUCT SPEC<br>APPLICATION SPEC | SIZE<br>A100779                      |  |
| MATERIAL                               | -                                                                                      | WEIGHT                           | DRAWING NO<br>C=1438129              |  |
| -                                      | -                                                                                      | CUSTOMER DRAWING                 | RESTRICTED TO                        |  |
|                                        |                                                                                        | SCALE<br>2:1                     | SHEET<br>2 OF 10                     |  |
|                                        |                                                                                        |                                  | REV<br>F35                           |  |

[illegible]

| REVISIONS |     |             |      |             |
|-----------|-----|-------------|------|-------------|
| P         | LYR | DESCRIPTION | DATE | DWN<br>APVD |
| -         | -   | SEE SHEET 1 | -    | -<br>-      |
|           |     |             |      |             |
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KEYING OPTION B

CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS

BLANK CAVITIES INDICATES OPEN TERMINAL HOLE LOCATIONS

TERMINAL HOLE POSITION

5S4T-14A464-M\* PIN-OUT CHART

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN  
CHK  
T. VALASEK

15APR2005

DIMENSIONS:  
mm

0 PLC ±0.3  
1 PLC ±0.10  
2 PLC ±  
3 PLC ±  
4 PLC ±  
ANGLES FINISH

MATERIAL  
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

±  
±0.10  
±  
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PRODUCT SPEC  
-

APPLICATION SPEC  
-

WEIGHT  
-

CUSTOMER DRAWING

TE Connectivity

NAME  
50-WAY HARNESS ASSEMBLY, PCM

SIZE  
A1

CAGE CODE  
100779

DRAWING NO  
1438129

RESTRICTED TO  
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| THIS DRAWING IS UNPUBLISHED. |  |   |  | RELEASED FOR PUBLICATION |  |   |  | 20                    |  |   |  | REVISIONS                       |  |   |  |
| COPYRIGHT 20                 |  |   |  | BY -                     |  |   |  | ALL RIGHTS RESERVED.  |  |   |  | P LTR DESCRIPTION DATE DWN APVD |  |   |  |
|                              |  |   |  |                          |  |   |  | - - SEE SHEET 1 - - - |  |   |  |                                 |  |   |  |
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| REVISIONS |     |             |      |     |
|-----------|-----|-------------|------|-----|
| P.        | LYR | DESCRIPTION | DATE | DWN |
| -         | -   | SEE SHEET 1 | -    | -   |
|           |     |             |      |     |
|           |     |             |      |     |

KEYING OPTION C

CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS

BLANK CAVITIES INDICATES OPEN TERMINAL HOLE LOCATIONS

TERMINAL HOLE POSITION

5S4T-14A464-N\* PIN-OUT CHART

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN  
R. VESTAL

CHK  
T. VALASEK

APVD  
T. VALASEK

15APR2005

15APR2005

15APR2005

DIMENSIONS:  
mm

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

±0.3

±0.10

±

±

±1\*

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FINISH

MATERIAL

-

-

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE

TE Connectivity

NAME

50-WAY HARNESS ASSEMBLY, PCM

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779

©=1438129

SCALE

1:1

SHEET

7

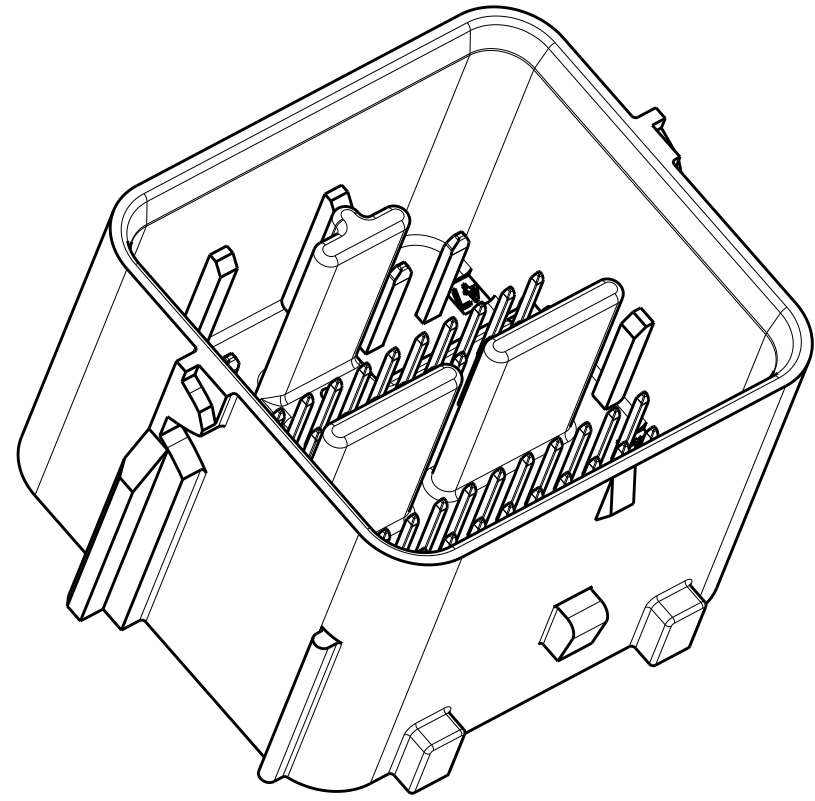
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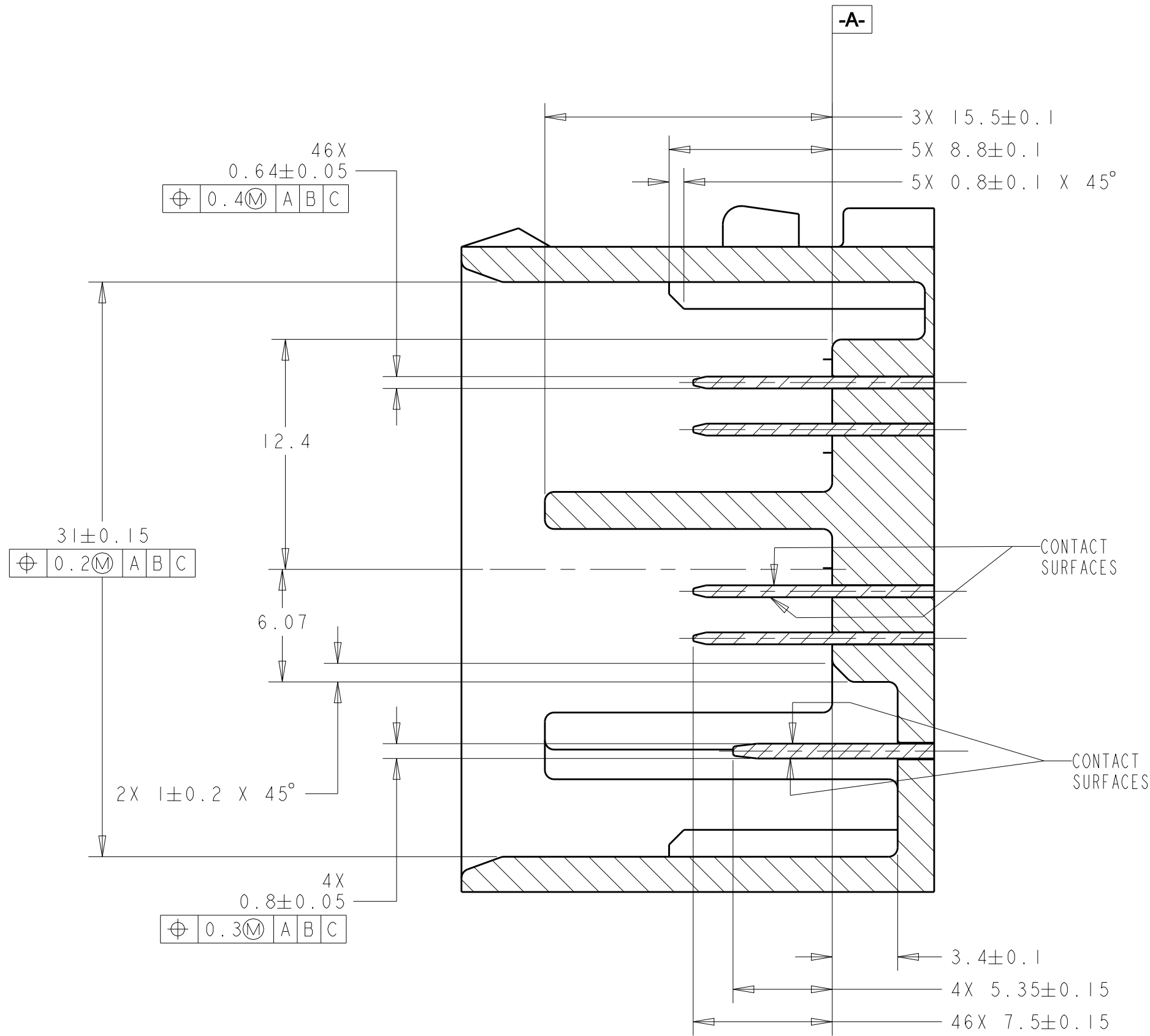
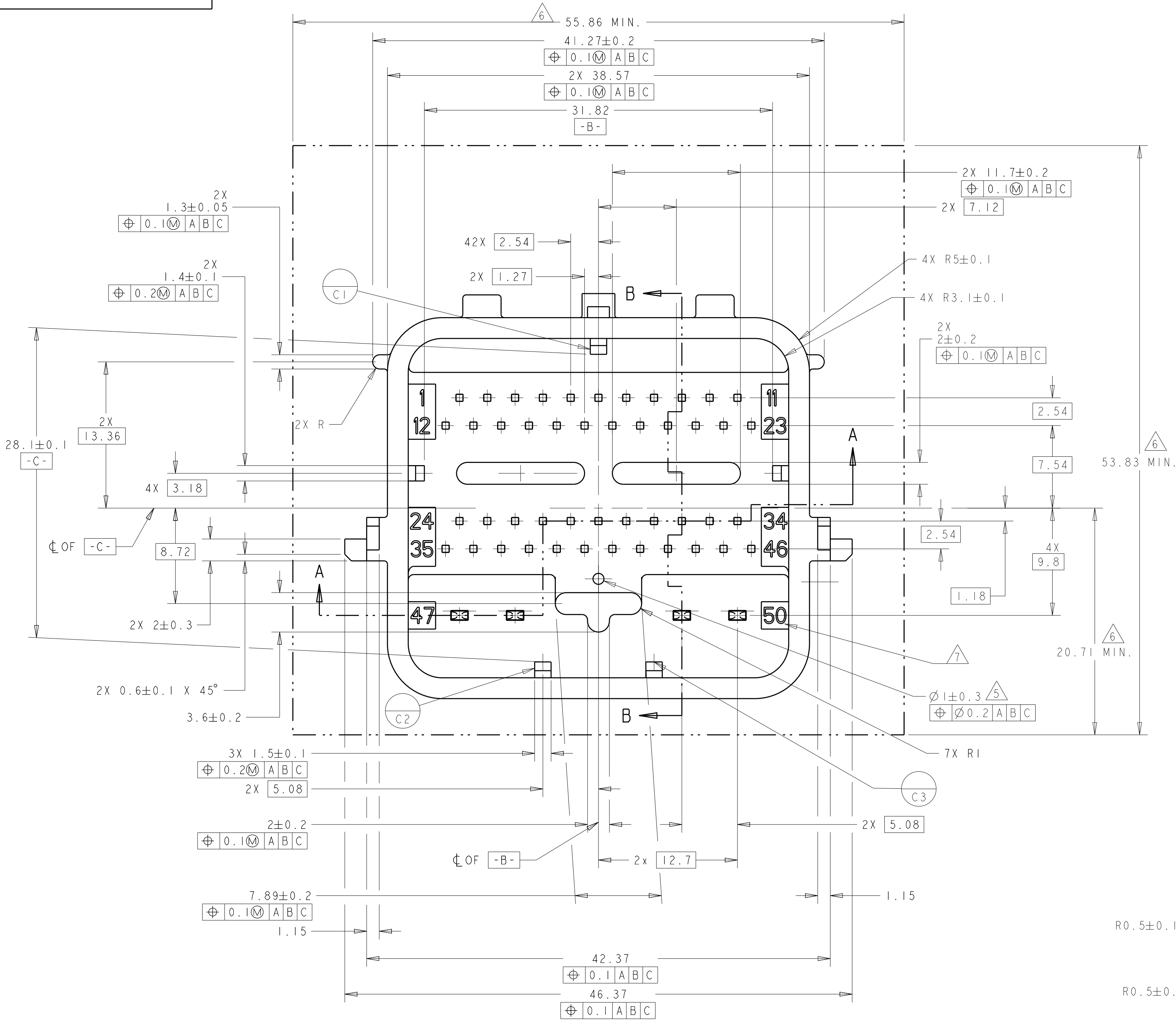
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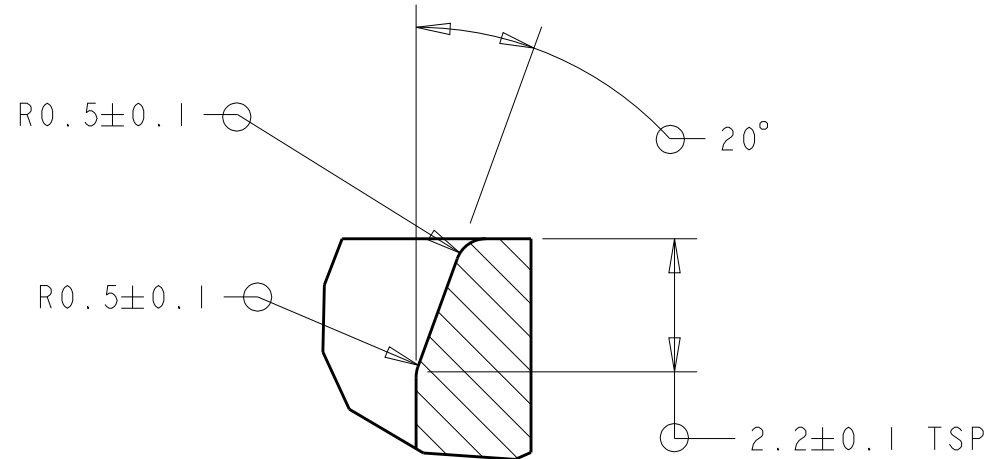




SCALE 2:1



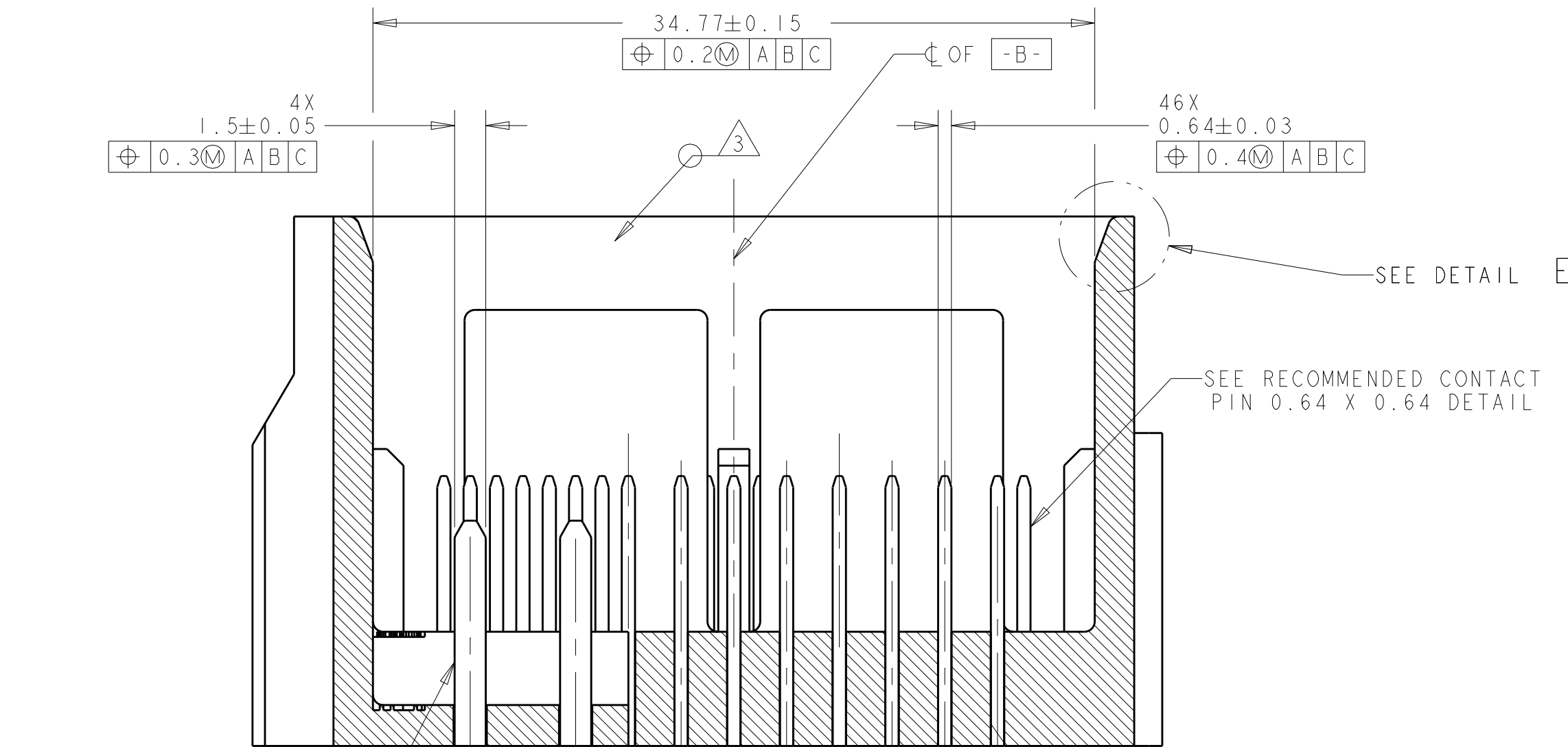
SECTION B-B



DETAIL E  
SCALE 8:1

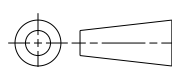
NOTES: UNLESS OTHERWISE SPECIFIED

- GENERAL TOLERANCE:  
±0.3 ALL ONE PLACE DIMENSIONS  
±0.10 ALL TWO PLACE DIMENSIONS  
±1°00' ALL ANGULAR DIMENSIONS
- DRAFT ANGLE PERMISSIBLE ONLY WITHIN DRAWING TOLERANCE.
- SEALING SURFACE, NO WITNESS LINES OR DAMAGE PERMITTED.
- ALL UNMARKED RADIUS TO BE 0.5 MAX., UNLESS OTHERWISE SPECIFIED.
- VENT HOLE SIZE AND LOCATION IS OPTIONAL.
- THIS AREA TO REMAIN CLEAR FOR THE HARNESS ASSEMBLY.
- TERMINAL POSITION IDENTIFICATION.
- MATES WITH TYCO ELECTRONICS PART NUMBERS 1438129-# & 1438950-\*



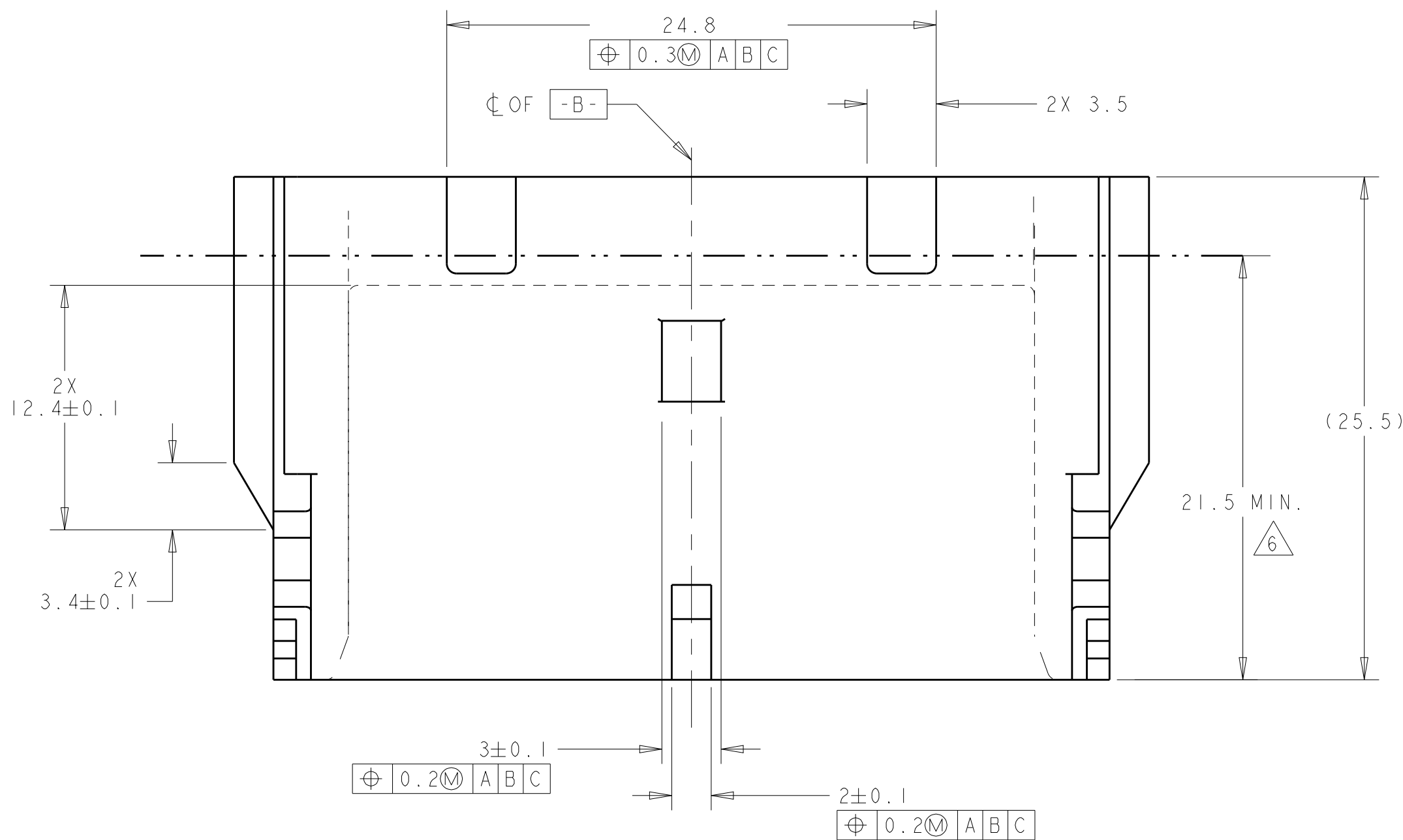
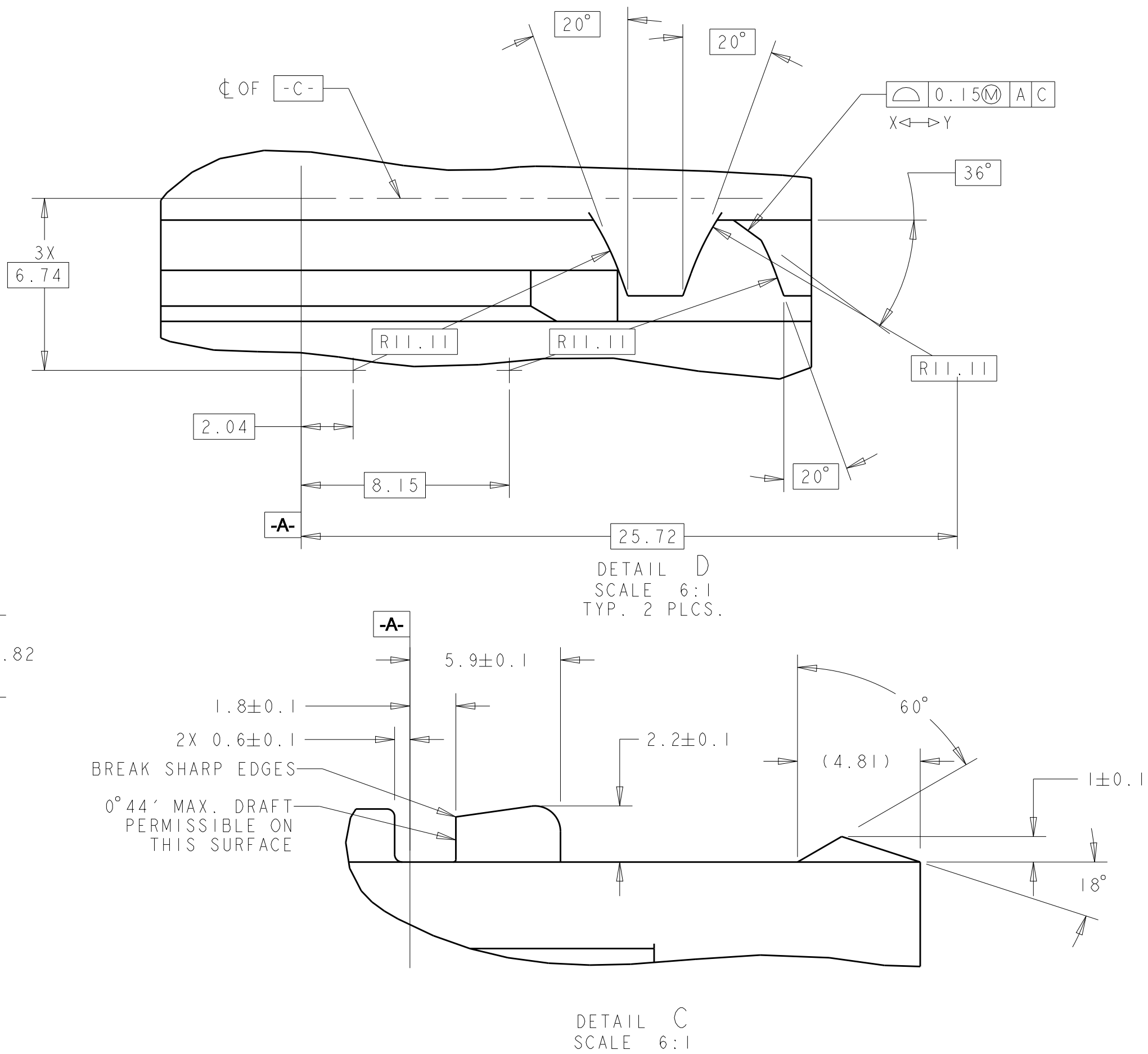
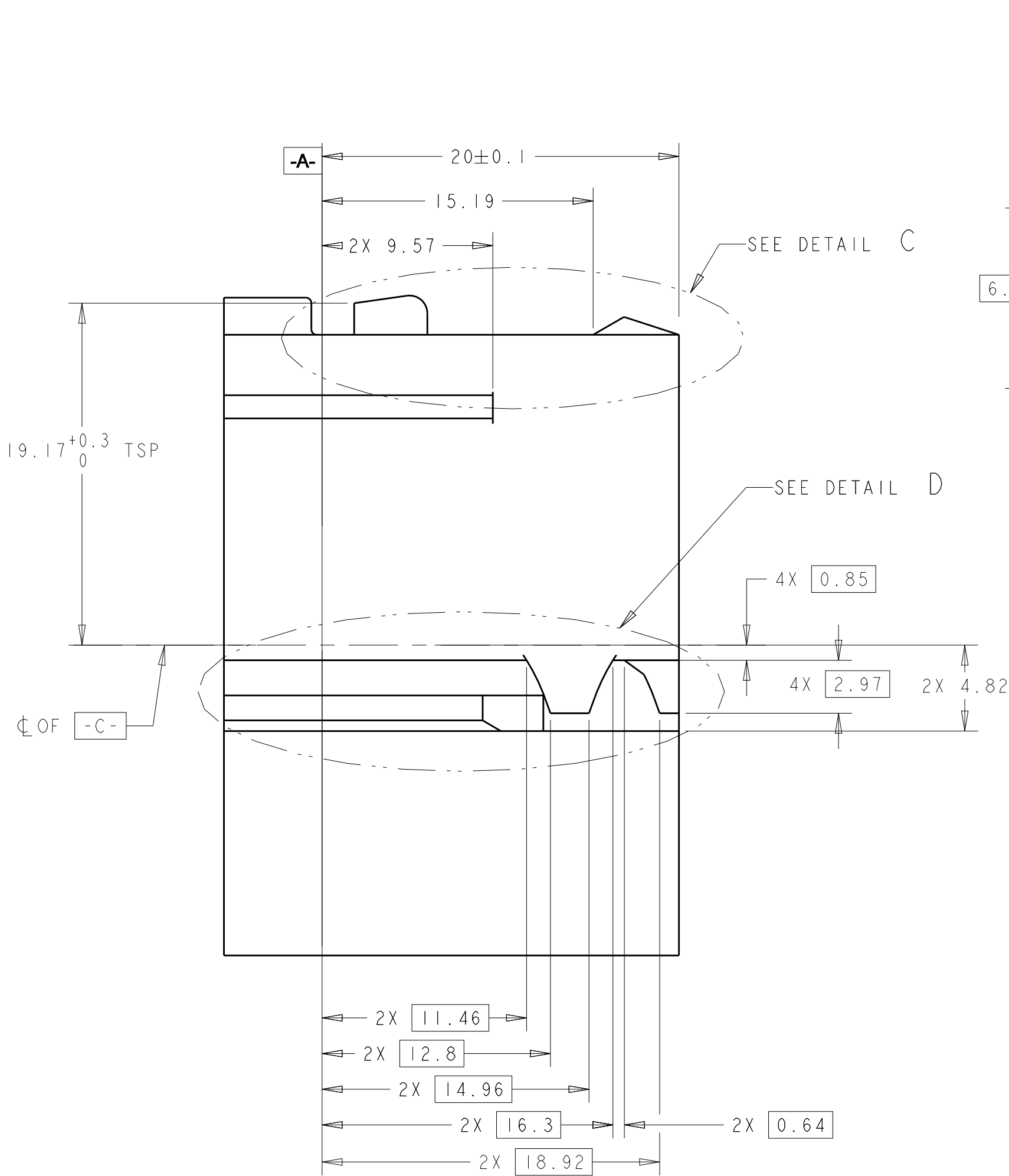
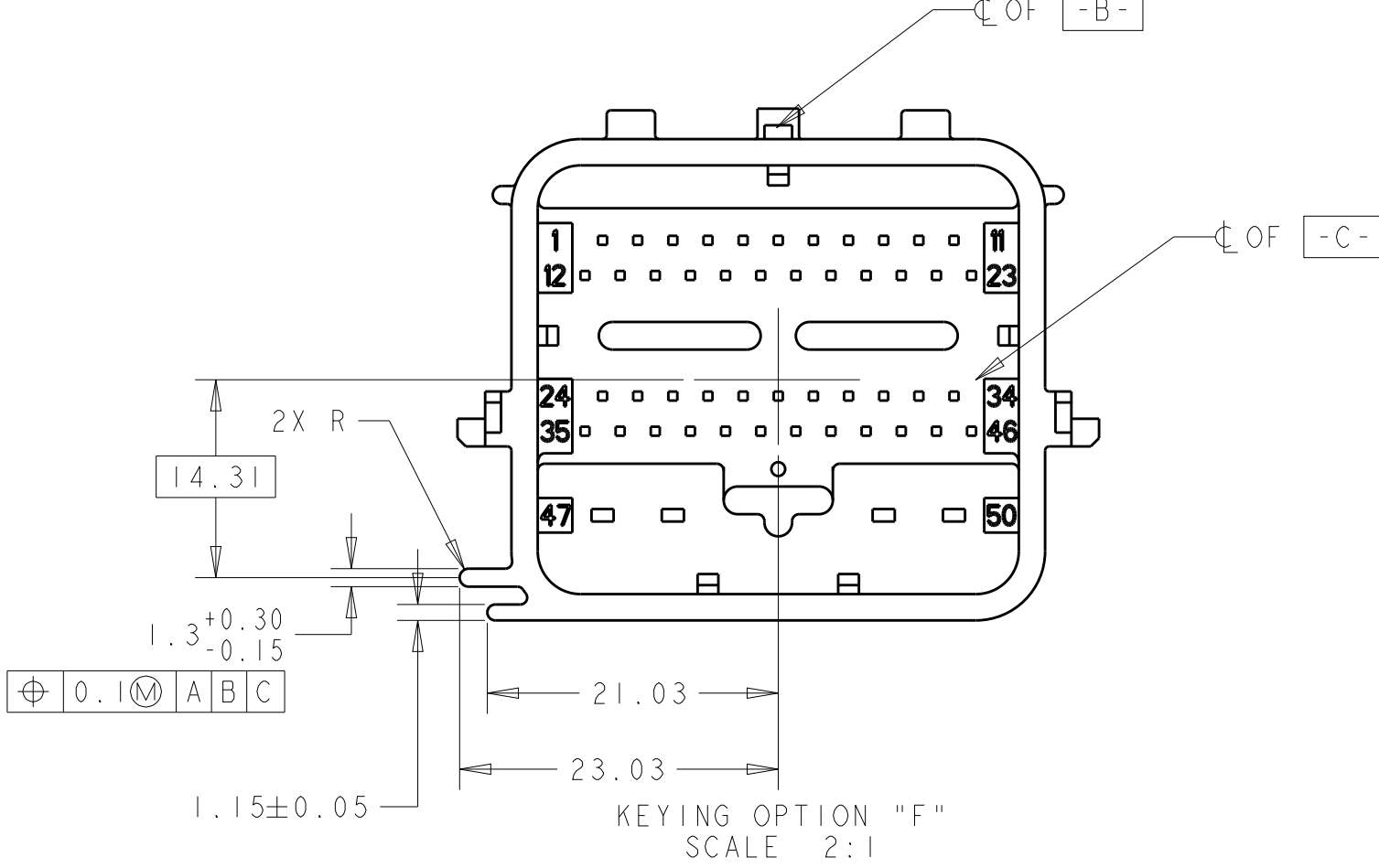
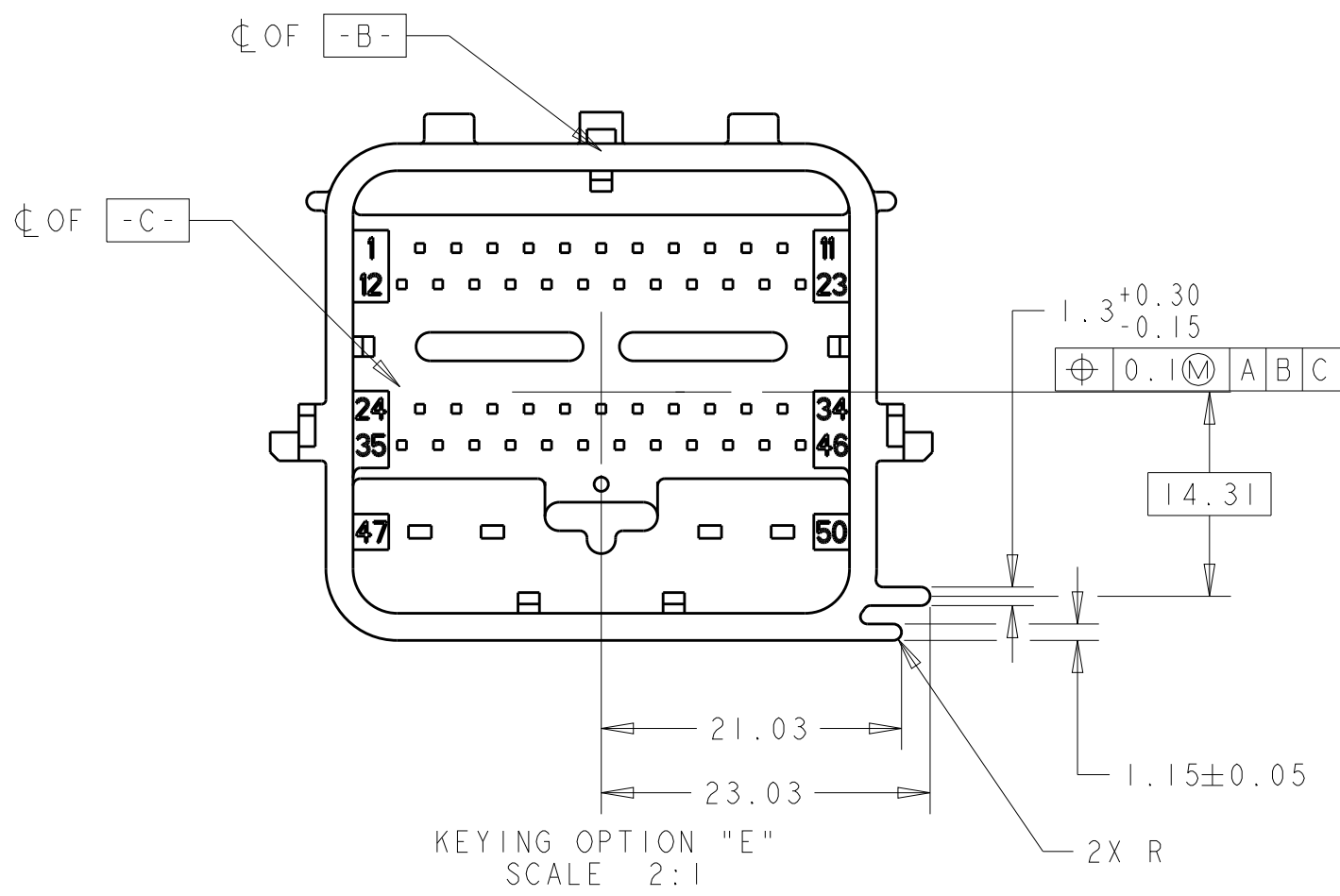
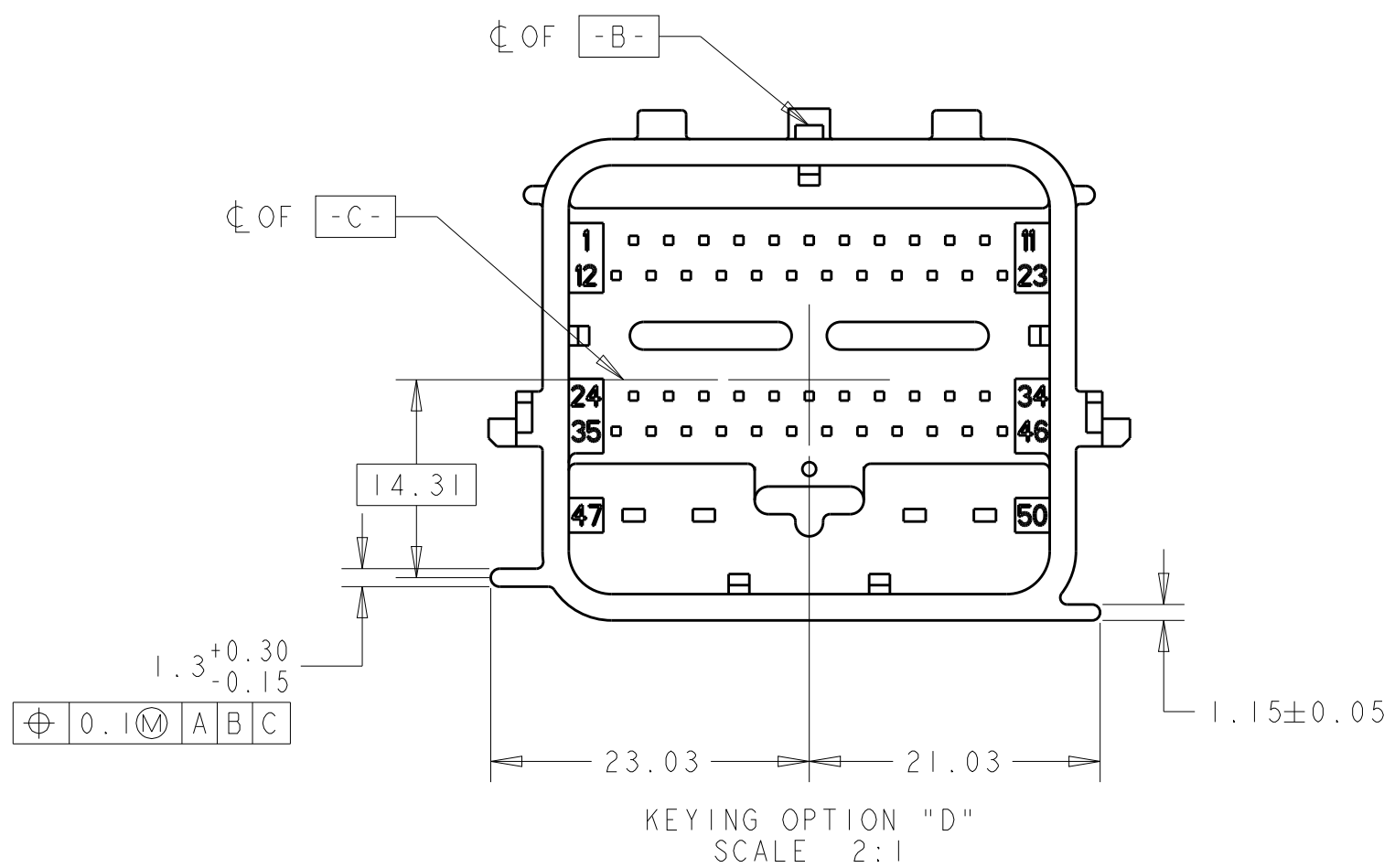
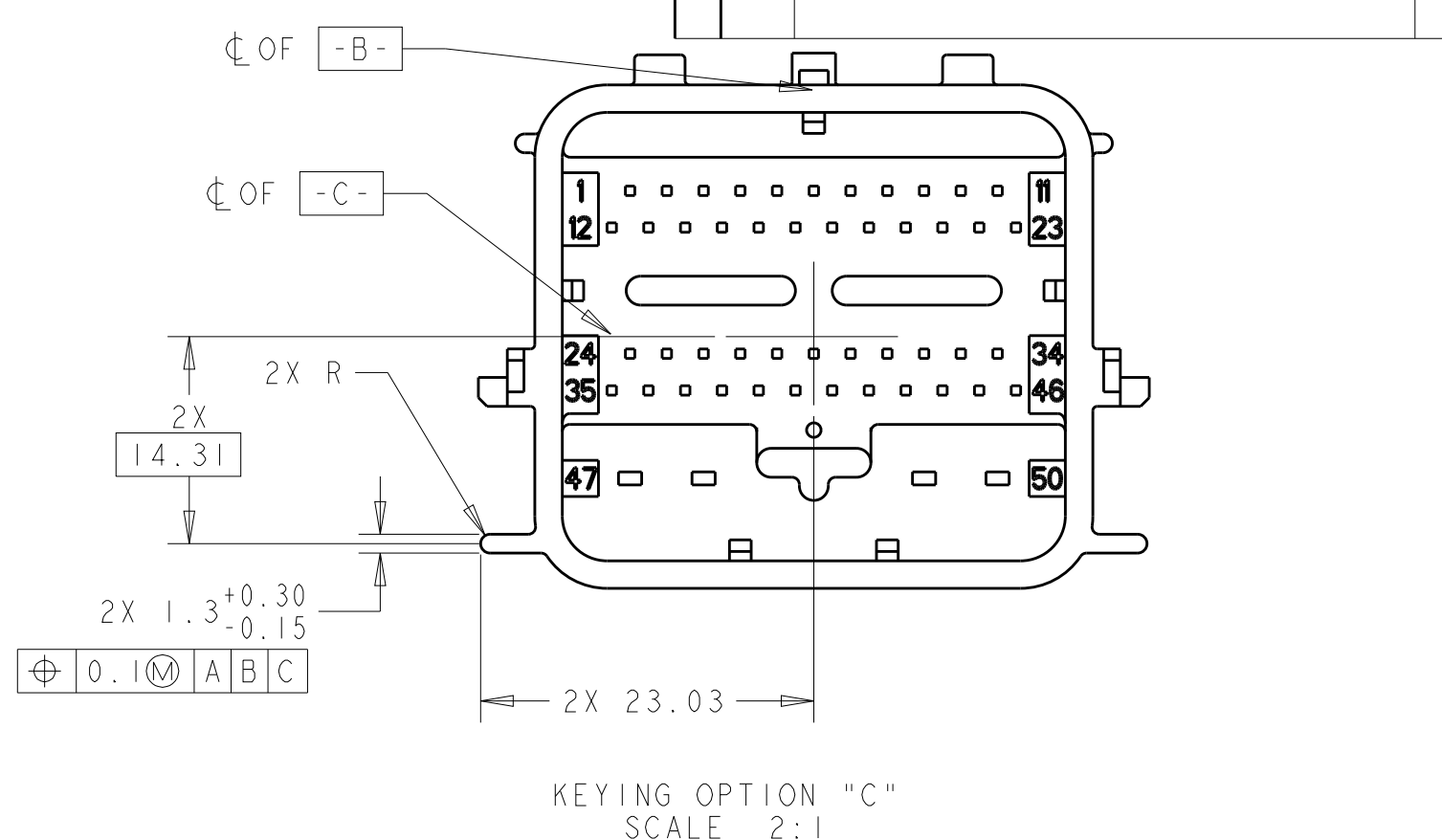
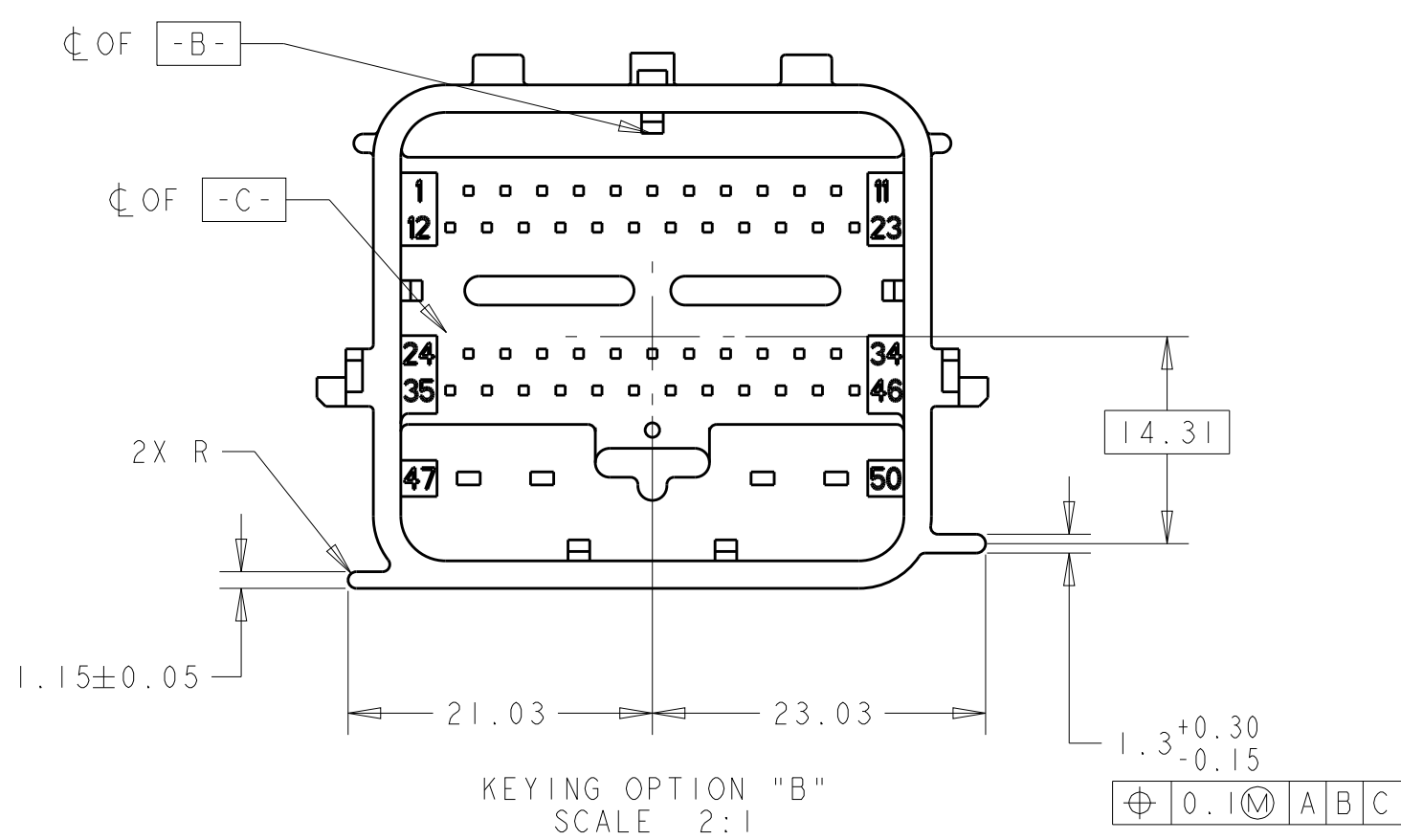
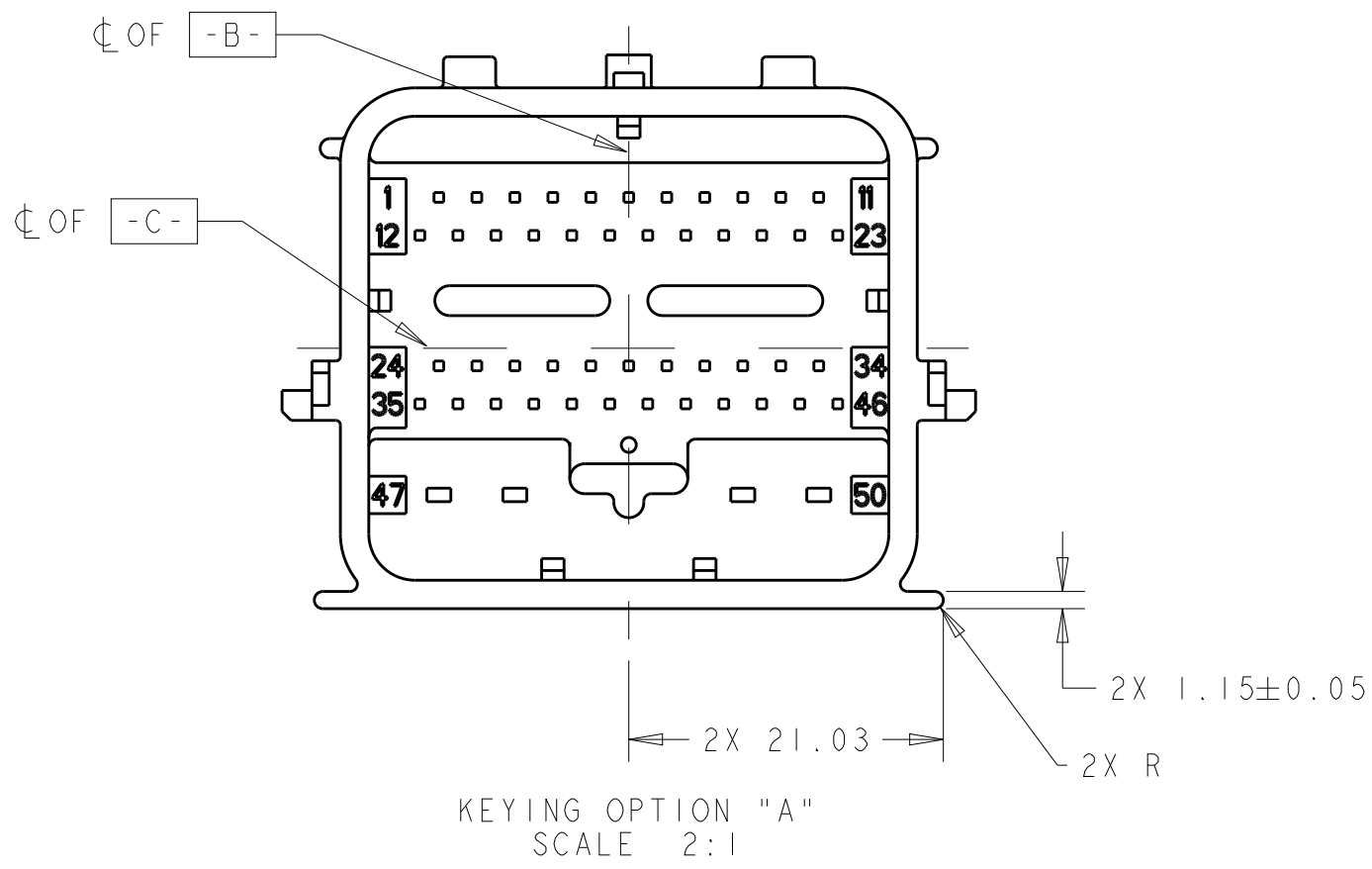
SECTION A-A

SEE RECOMMENDED CONTACT  
PIN 0.8 X 1.5 DETAIL

|                                                                                       |                                        |                    |           |                                                                                                       |  |
|---------------------------------------------------------------------------------------|----------------------------------------|--------------------|-----------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                        | OWN<br>R. VESTAL   | 15APR2005 |  TE Connectivity |  |
| DIMENSIONS:                                                                           |                                        | CHK<br>T. VALASEK  | 15APR2005 |                                                                                                       |  |
| mm                                                                                    | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD<br>T. VALASEK | 15APR2005 | NAME<br>50-WAY HARNESS ASSEMBLY, PCM                                                                  |  |
|  | 0 PLC ±.3                              | PRODUCT SPEC       |           | SIZE CAGE CODE DRAWING NO                                                                             |  |
|                                                                                       | 1 PLC ±0.10                            | APPLICATION SPEC   |           | RESTRICTED TO                                                                                         |  |
| MATERIAL                                                                              | FINISH                                 | WEIGHT             |           | A100779C=1438129                                                                                      |  |
| CUSTOMER DRAWING                                                                      |                                        | SCALE 1:1          |           | SHEET 9 OF 10                                                                                         |  |

HEADER INTERFACE KEYING OPTIONS

| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |
|           |     |             |      |     |      |
|           |     |             |      |     |      |
|           |     |             |      |     |      |



|                                        |                                        |                           |                                   |
|----------------------------------------|----------------------------------------|---------------------------|-----------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                        | DWN R. VESTAL 15APR2005   | TE Connectivity                   |
| DIMENSIONS:                            |                                        | CHK T. VALASEK 15APR2005  |                                   |
| mm                                     | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD T. VALASEK 15APR2005 | NAME 50-WAY HARNESS ASSEMBLY, PCM |
|                                        | 0 PLC ±.3                              | PRODUCT SPEC              | SIZE CAGE CODE DRAWING NO         |
|                                        | 1 PLC ±0.3                             | APPLICATION SPEC          | A100779C=1438129                  |
|                                        | 2 PLC ±0.10                            | WEIGHT                    | RESTRICTED TO                     |
|                                        | 3 PLC ±.                               | CUSTOMER DRAWING          | SCALE 1:1 SHEET 10 OF 10 REV F35  |
|                                        | 4 PLC ±.                               |                           |                                   |
| MATERIAL                               | FINISH                                 |                           |                                   |

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