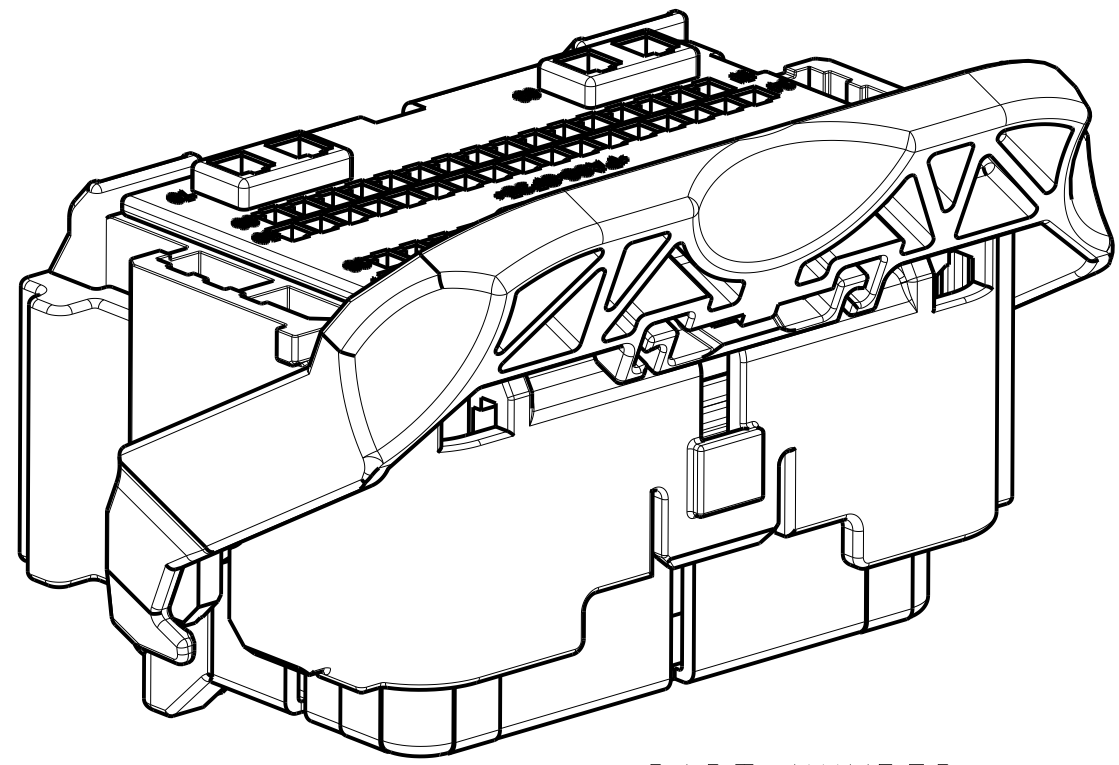
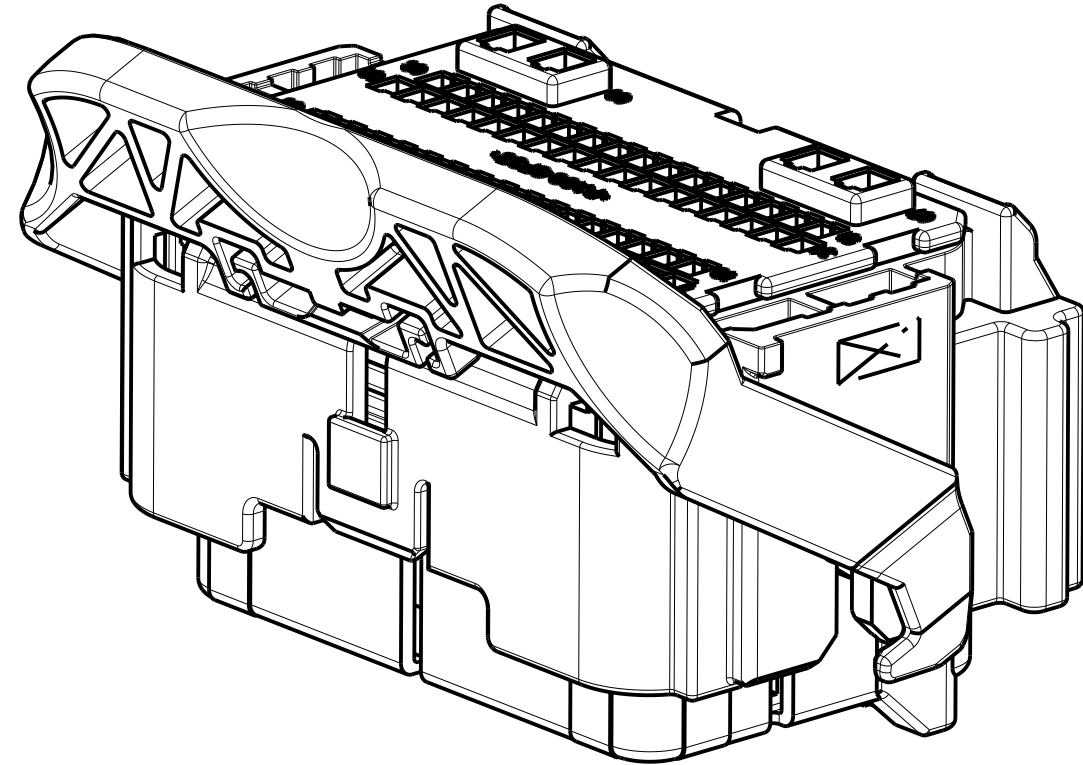
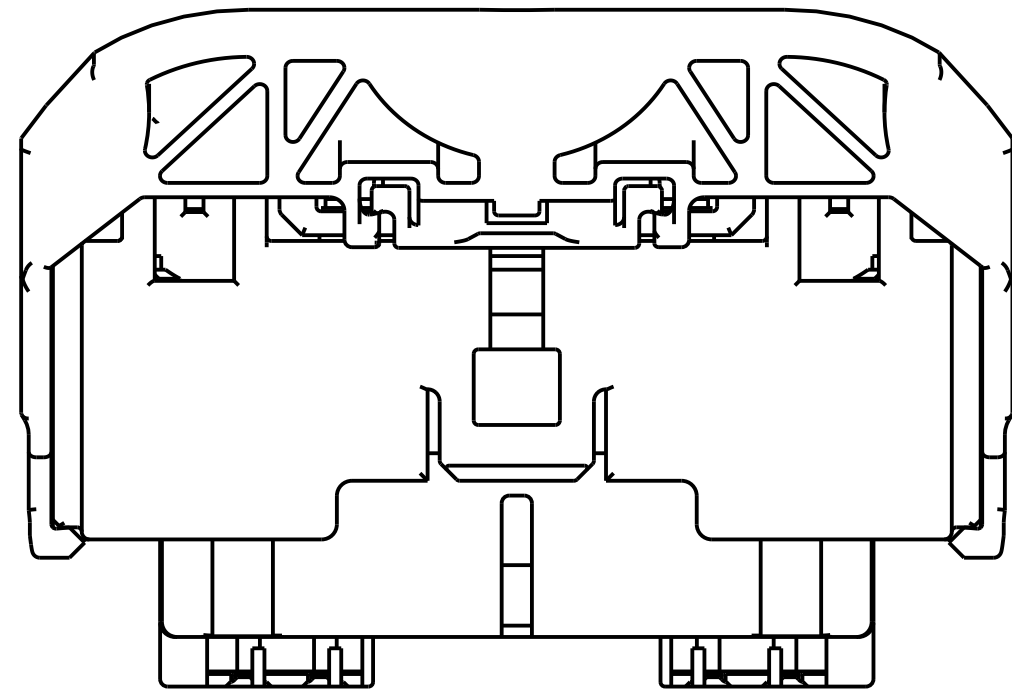




PART NUMBER:  
1438136-1  
SHOWN WITH SPACER  
IN SEATED POSITION



| REVISIONS |      |                           |           |      |       |
|-----------|------|---------------------------|-----------|------|-------|
| P.        | LTR. | DESCRIPTION               | DATE      | DWN. | APVD. |
| G45       |      | REVISED PER ECO-13-011449 | 16JUL2013 | DLD  | DCM   |
| G46       |      | REVISED PER ECO-14-007153 | 19MAY2014 | DLD  | DCM   |
| G47       |      | REVISED PER ECO-14-014965 | 09OCT2013 | DLD  | DCM   |
|           |      |                           |           |      |       |

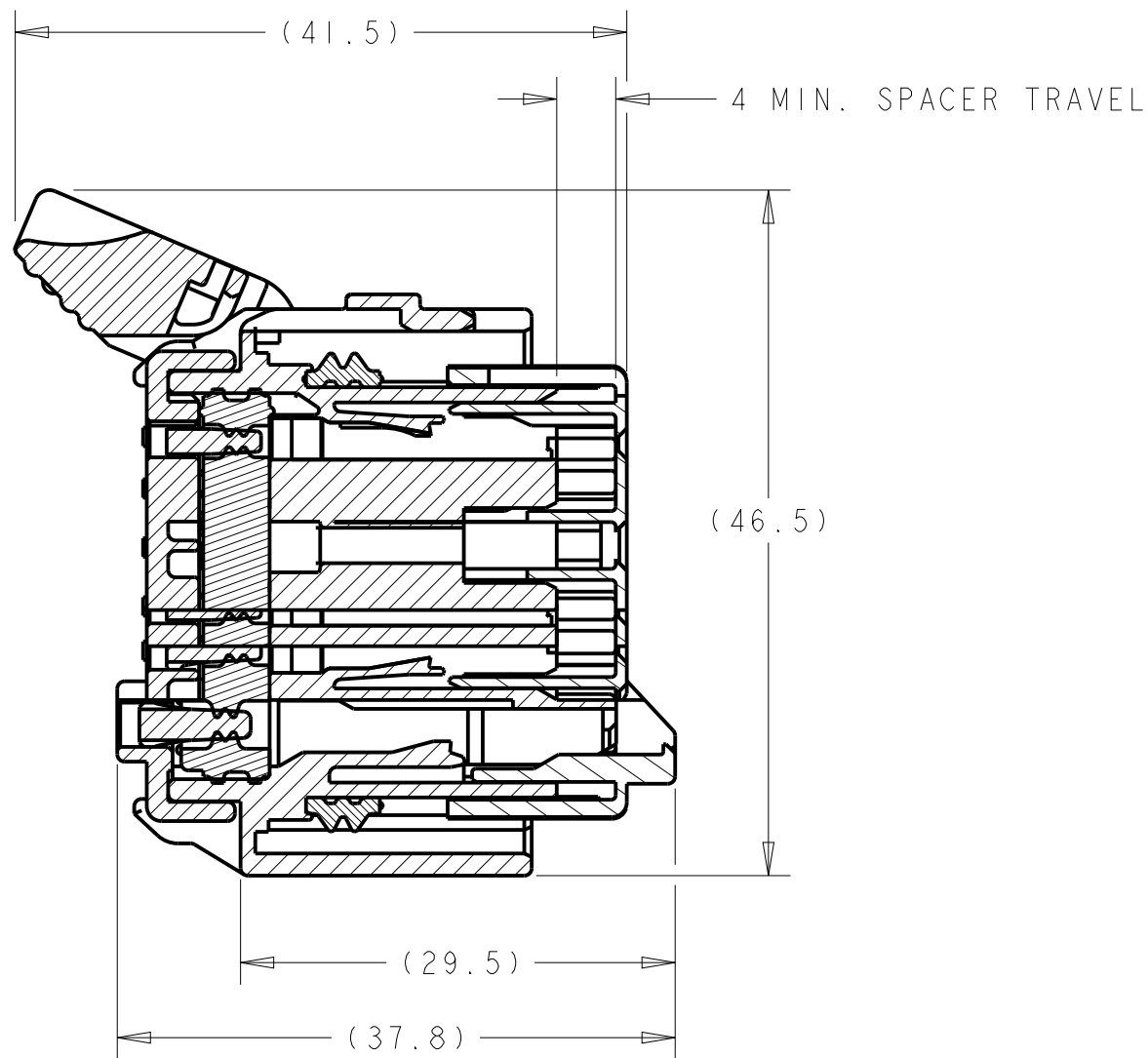
1. PRINT FORD PART NUMBER (SEE ATTACHED CHARTS) AND TRACEABILITY CODE (YY = 2 DIGIT YEAR, JJJ = JULIAN DATE, HH = 2 DIGIT MILITARY HOUR) IN THIS LOCATION AT ASSEMBLY. SEE SHEETS 3, 4 AND 5 (-\*) PART NUMBERS.

2. APPLICABLE MOLEX (1.5) POWER TERMINAL PART NUMBERS:  
33012-0002 TIN 0.50-1.50mm<sup>2</sup>

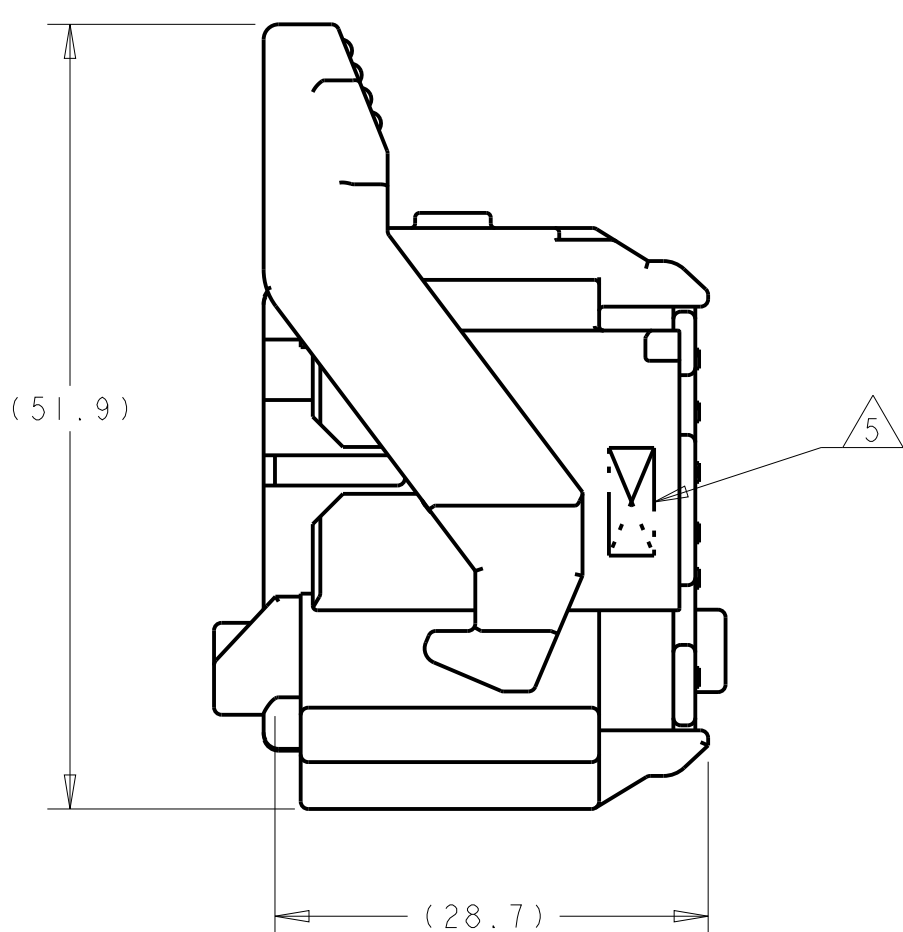
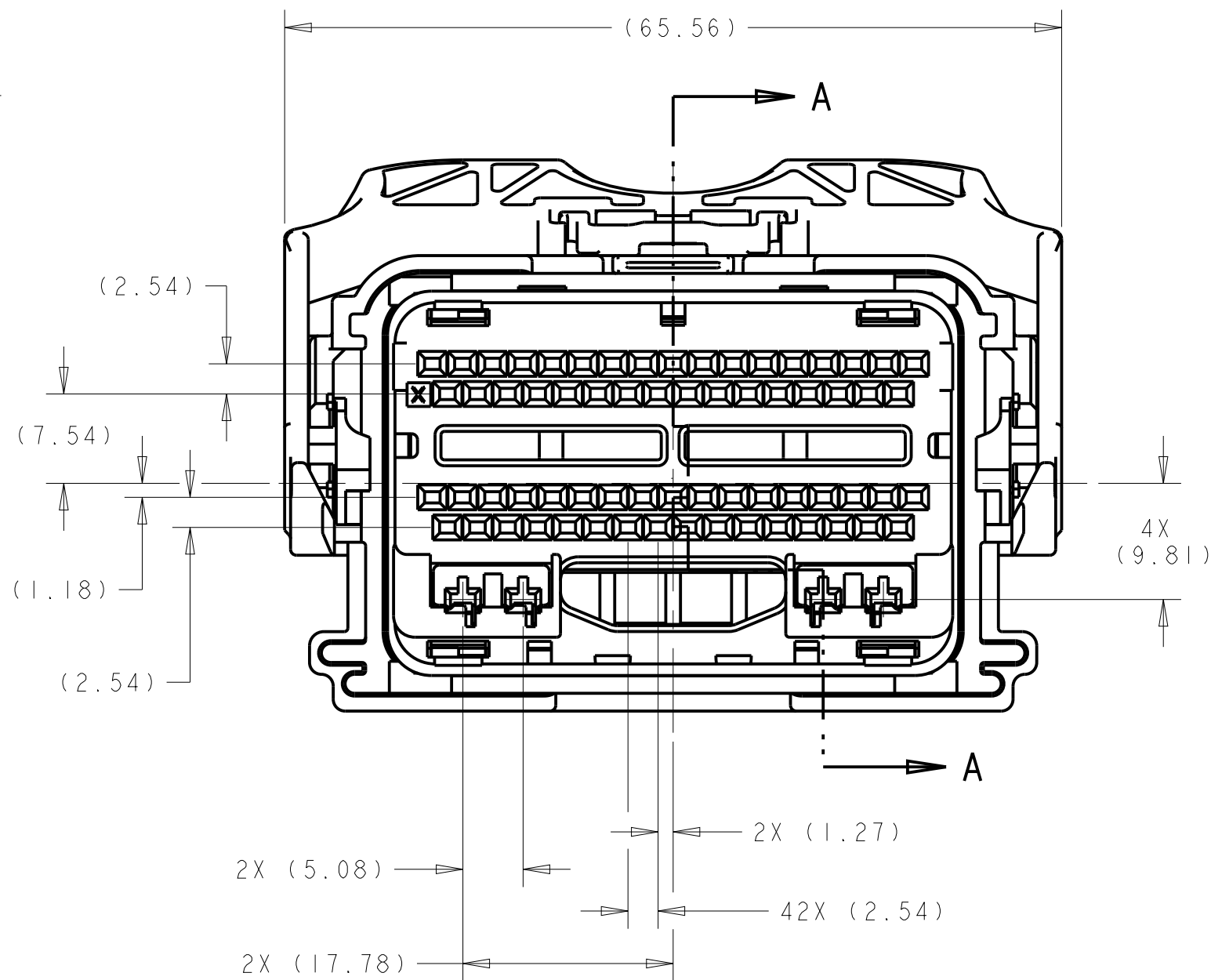
3. CAM LEVER AND SPACER ARE SHIPPED IN THEIR PRE-ASSEMBLED POSITIONS.

4. REFERENCE TE INSTRUCTION SHEET 408-8893.

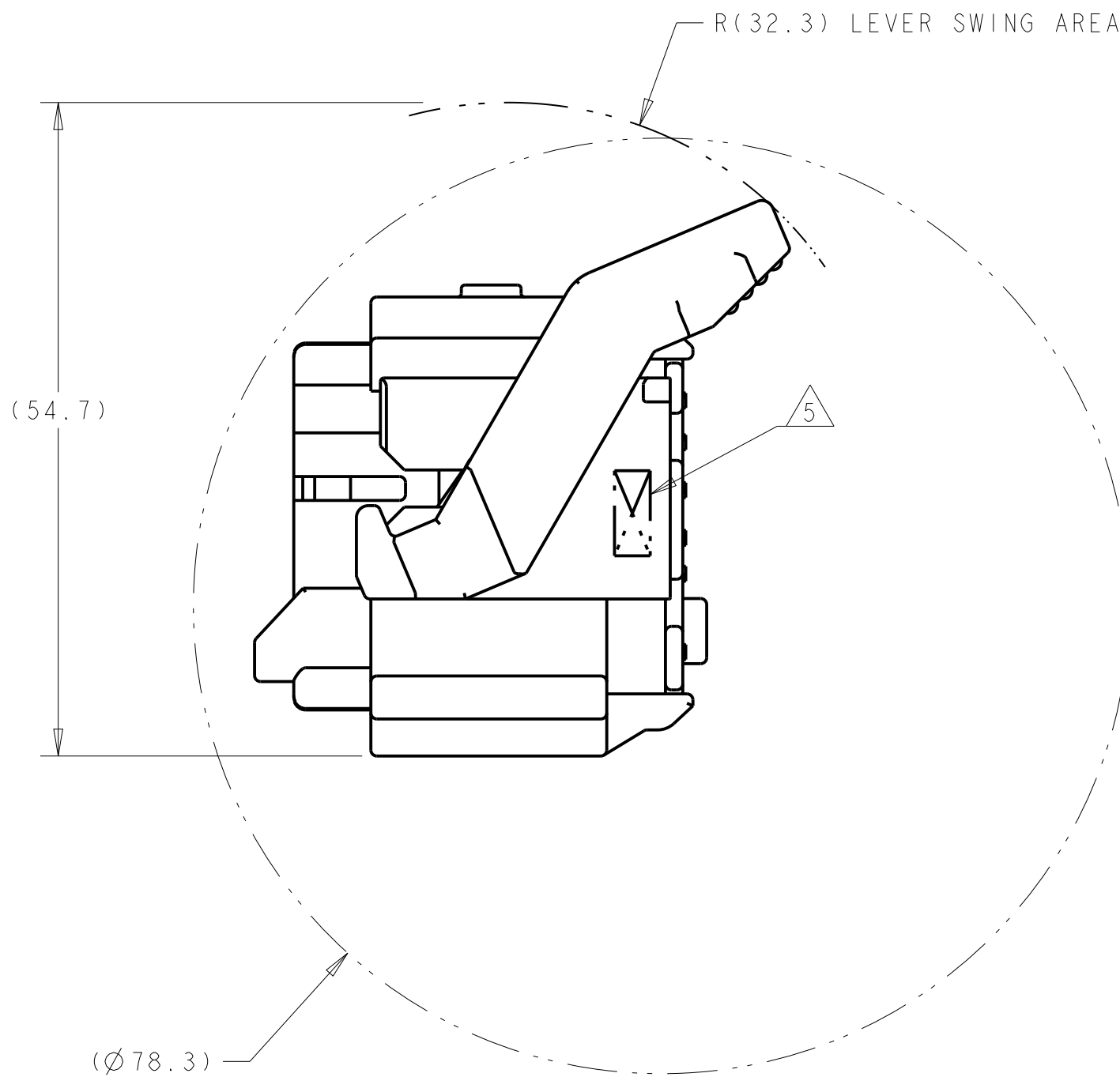
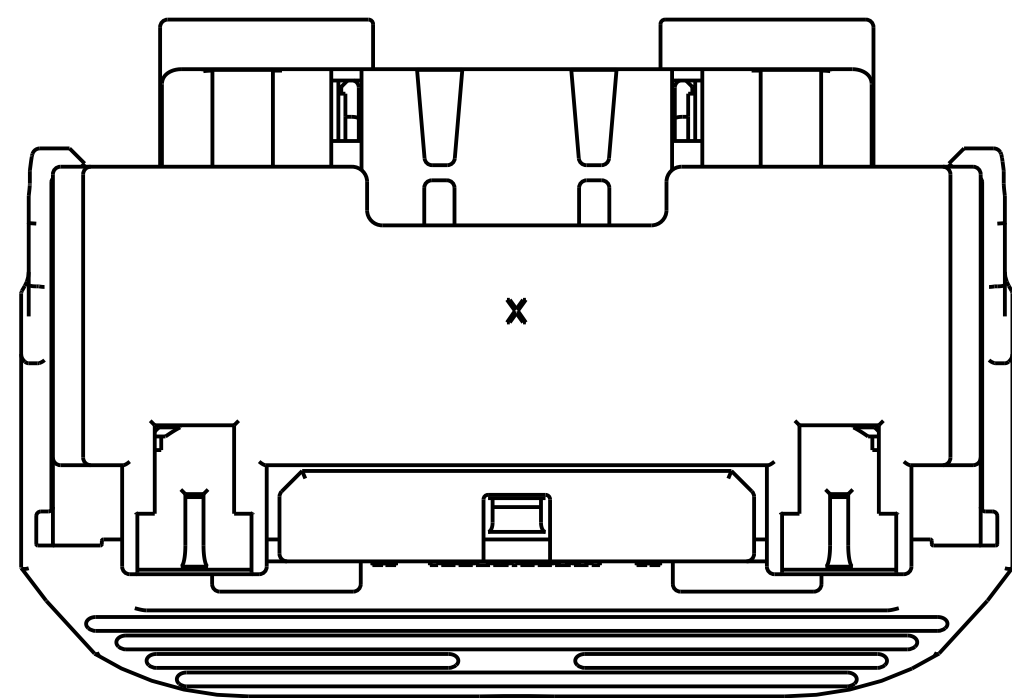
△ COMPANY LOGO.



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



SHOWN WITH CAM  
LEVER AND SPACER  
IN LOADED POSITION



MIN. FEED THRU CONDITION  
WITH 1mm CLEARANCE ALL AROUND  
SHOWN WITH SPACER IN SEATED POSITION

APPLICABLE COMPONENTS (FOR REFERENCE ONLY)

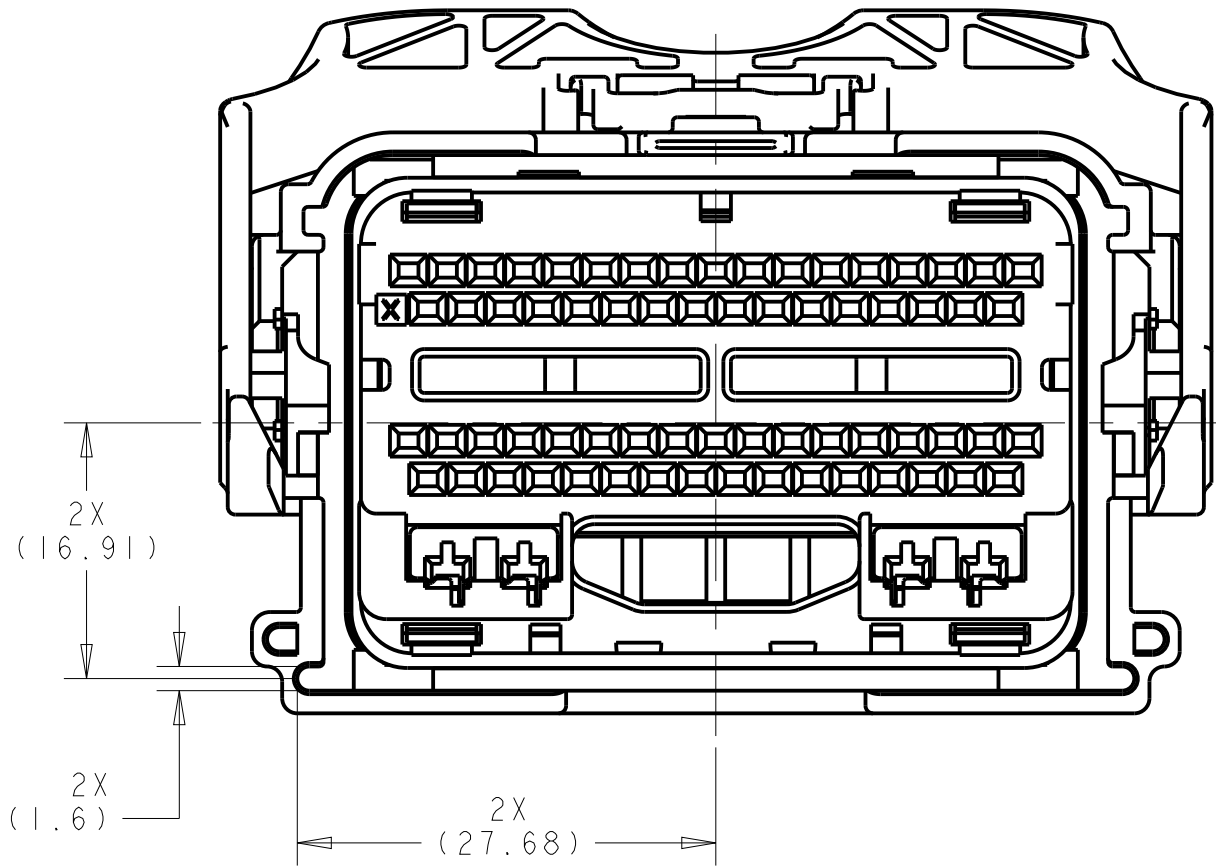
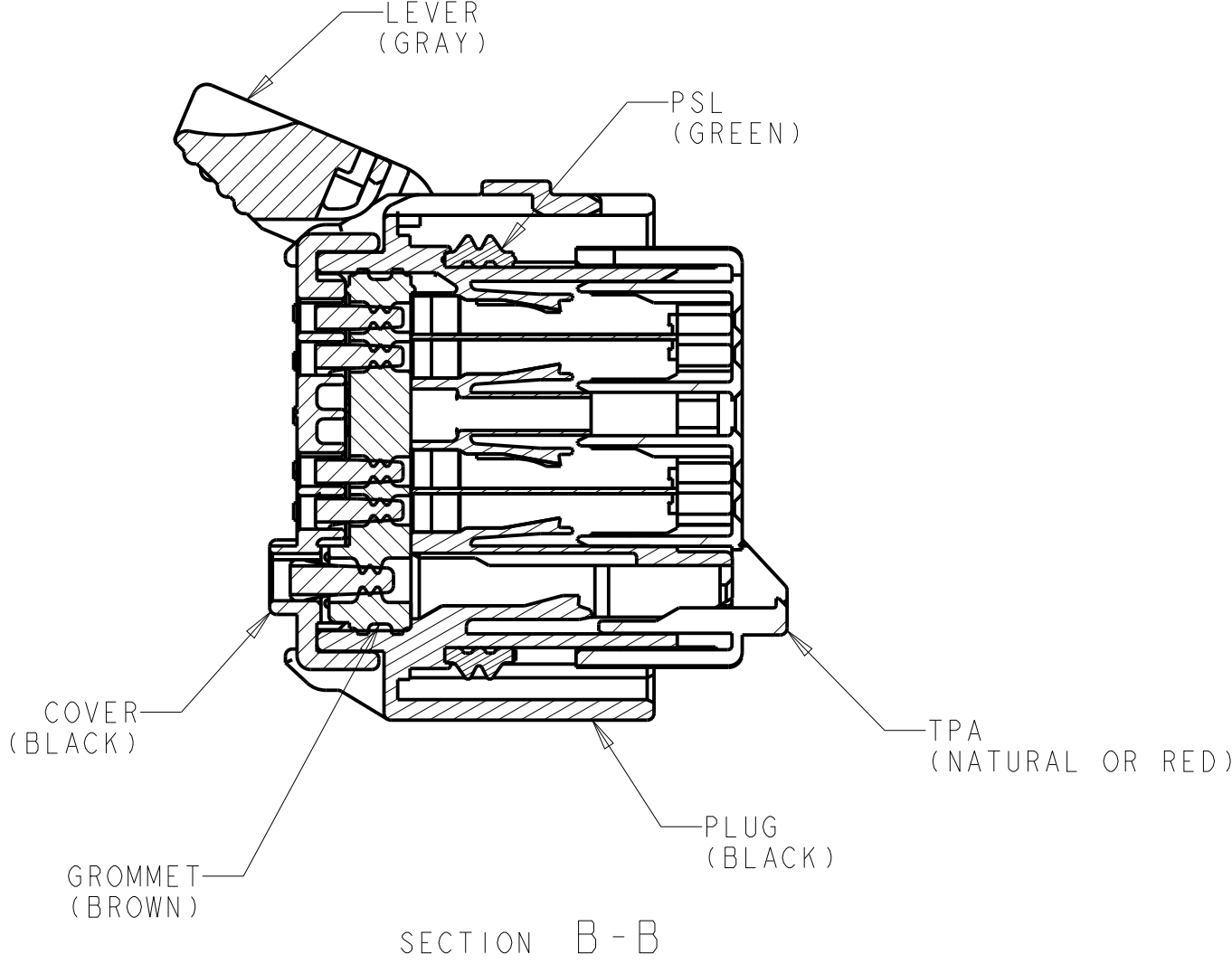
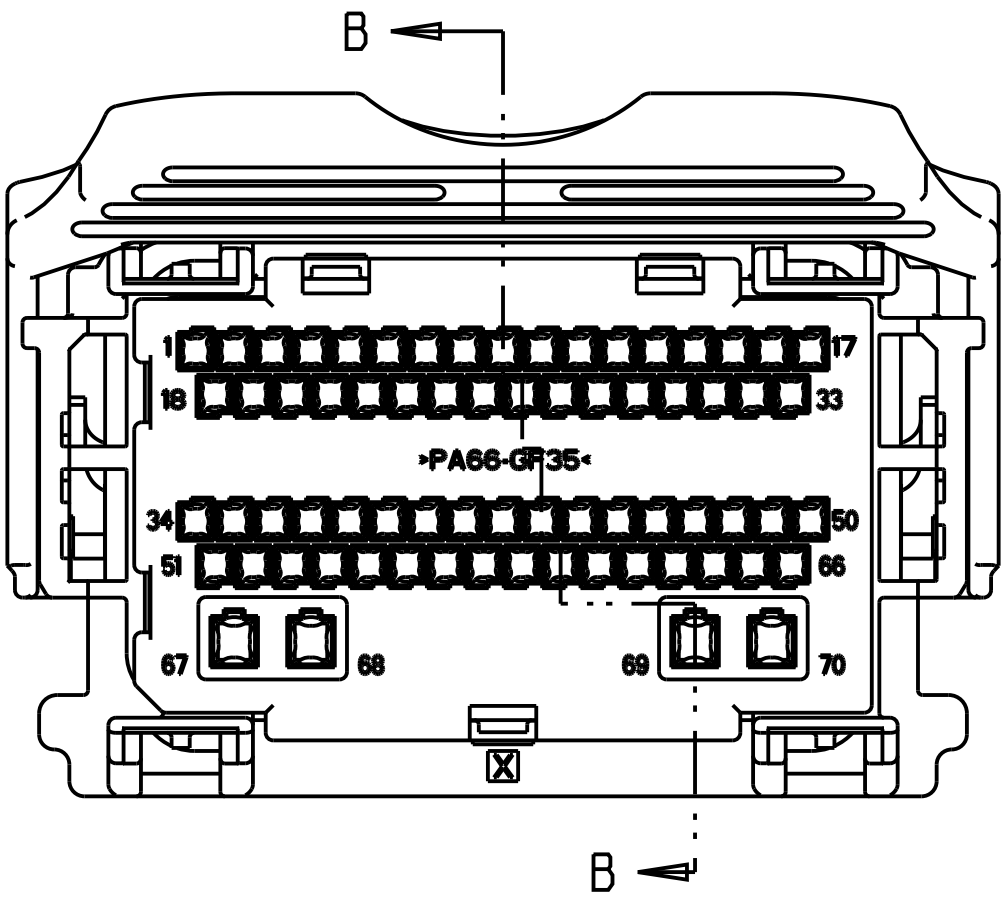
| DESCRIPTION            | NOMINAL<br>TERMINAL SIZE | COLOR/<br>PLATING | FORD COMPONENT<br>PART NUMBER | SUPPLIER<br>PART NUMBER | MATERIAL/SPECIFICATION<br>NUMBER | SAE<br>WIRE SIZE |
|------------------------|--------------------------|-------------------|-------------------------------|-------------------------|----------------------------------|------------------|
| 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            |

SEE SHEETS 3 THRU 7  
PART NUMBER

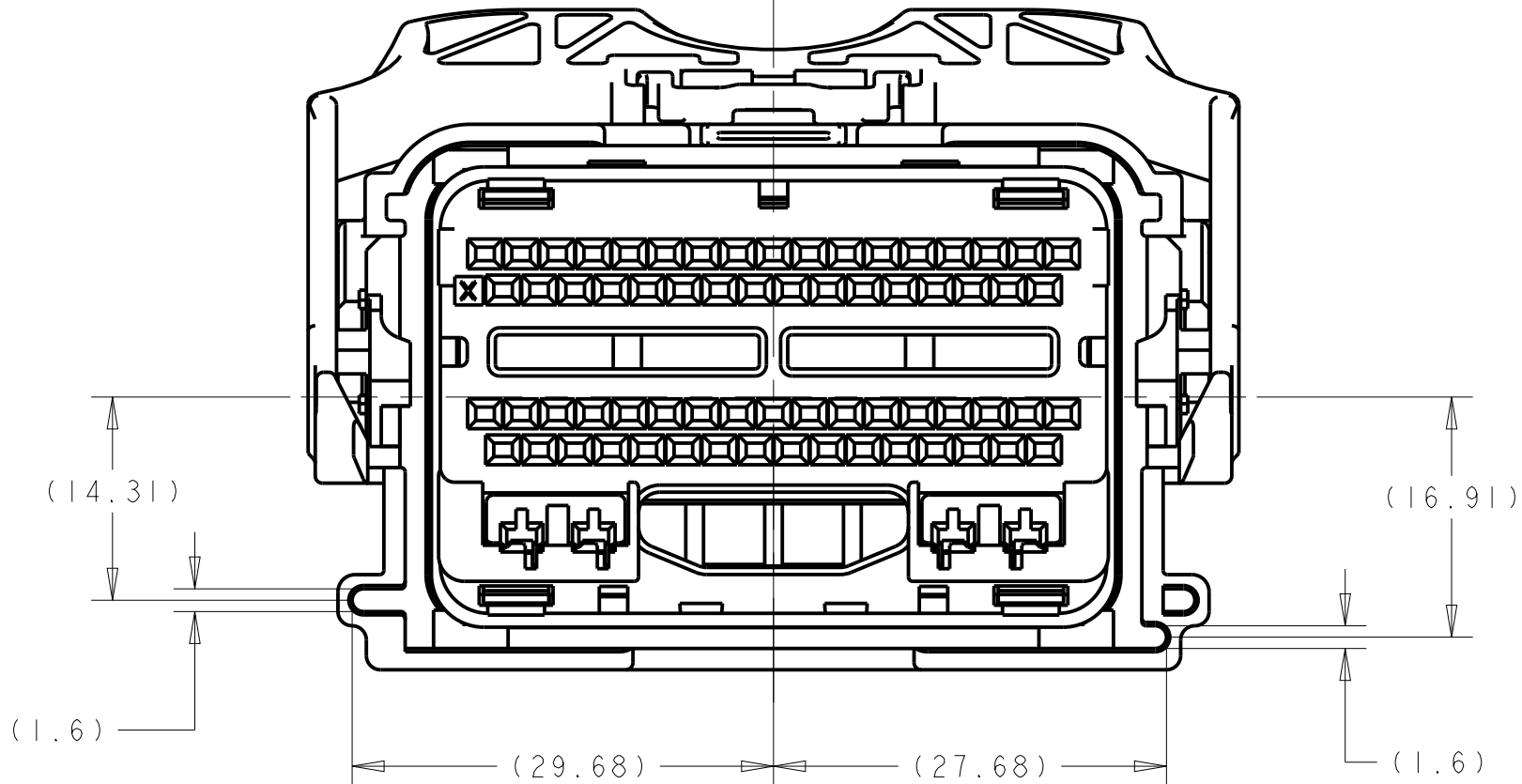
|                                        |  |                                                                              |           |                  |  |
|----------------------------------------|--|------------------------------------------------------------------------------|-----------|------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>R. VESTAL                                                             | 15APR2005 | TE Connectivity  |  |
|                                        |  | CHK<br>T. VALASEK                                                            | 15APR2005 |                  |  |
| DIMENSIONS:                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                    |           | NAME             |  |
| mm                                     |  | 0 PLC ±.3<br>1 PLC ±0.10<br>2 PLC ±.10<br>3 PLC ±.<br>4 PLC ±.<br>ANGLES ±1° |           | PRODUCT SPEC     |  |
|                                        |  |                                                                              |           | APPLICATION SPEC |  |
| MATERIAL                               |  |                                                                              |           | SIZE             |  |
|                                        |  |                                                                              |           | CAGE CODE        |  |
|                                        |  |                                                                              |           | DRAWING NO       |  |
|                                        |  |                                                                              |           | RESTRICTED TO    |  |
|                                        |  |                                                                              |           | A100779C=1438136 |  |
|                                        |  |                                                                              |           | REV G47          |  |
|                                        |  |                                                                              |           | SCALE 2:1        |  |
|                                        |  |                                                                              |           | SHEET 1 OF 11    |  |
|                                        |  |                                                                              |           | CUSTOMER DRAWING |  |



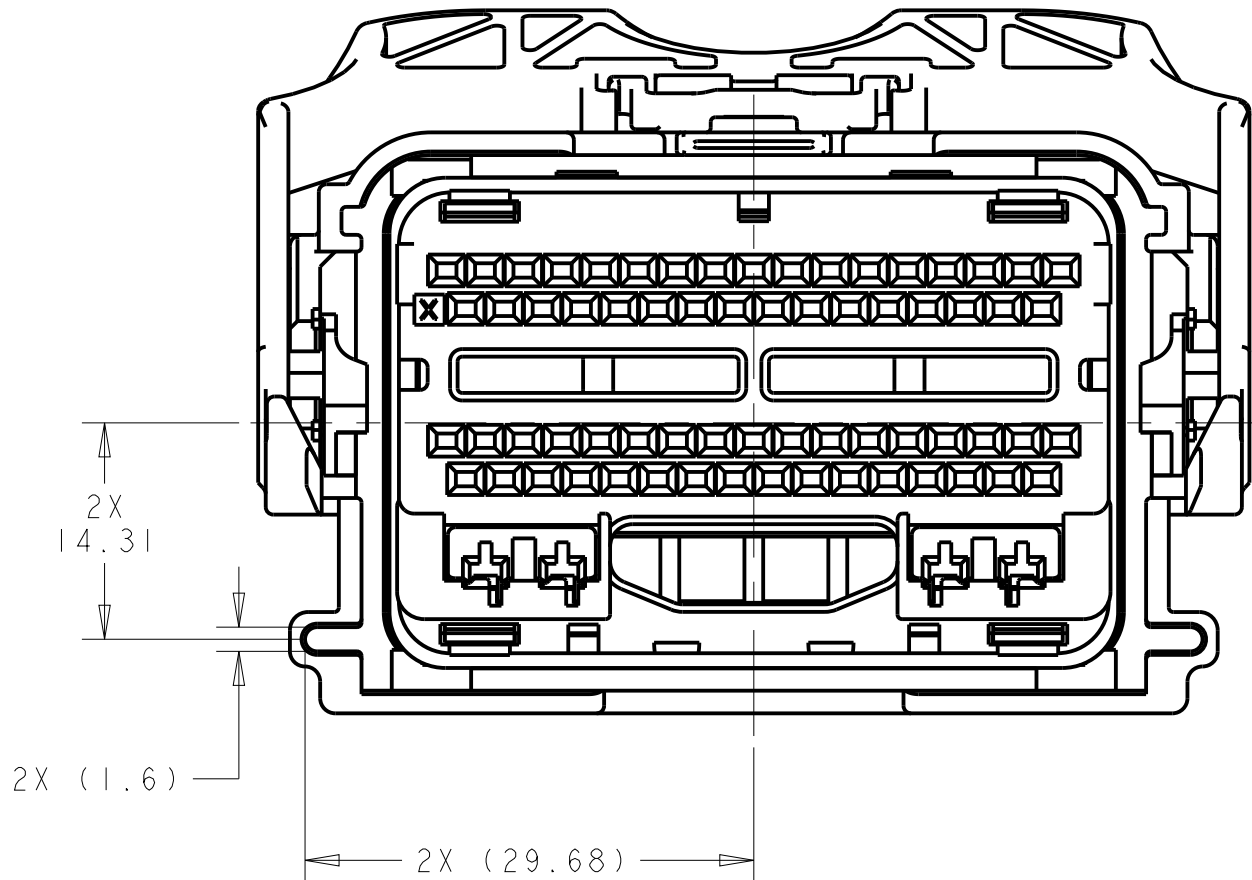
| REVISIONS |      |             |      |          |
|-----------|------|-------------|------|----------|
| P.        | LTR. | DESCRIPTION | DATE | OWN APVD |
| -         | -    | SEE SHEET 1 | -    | -        |
|           |      |             |      |          |
|           |      |             |      |          |



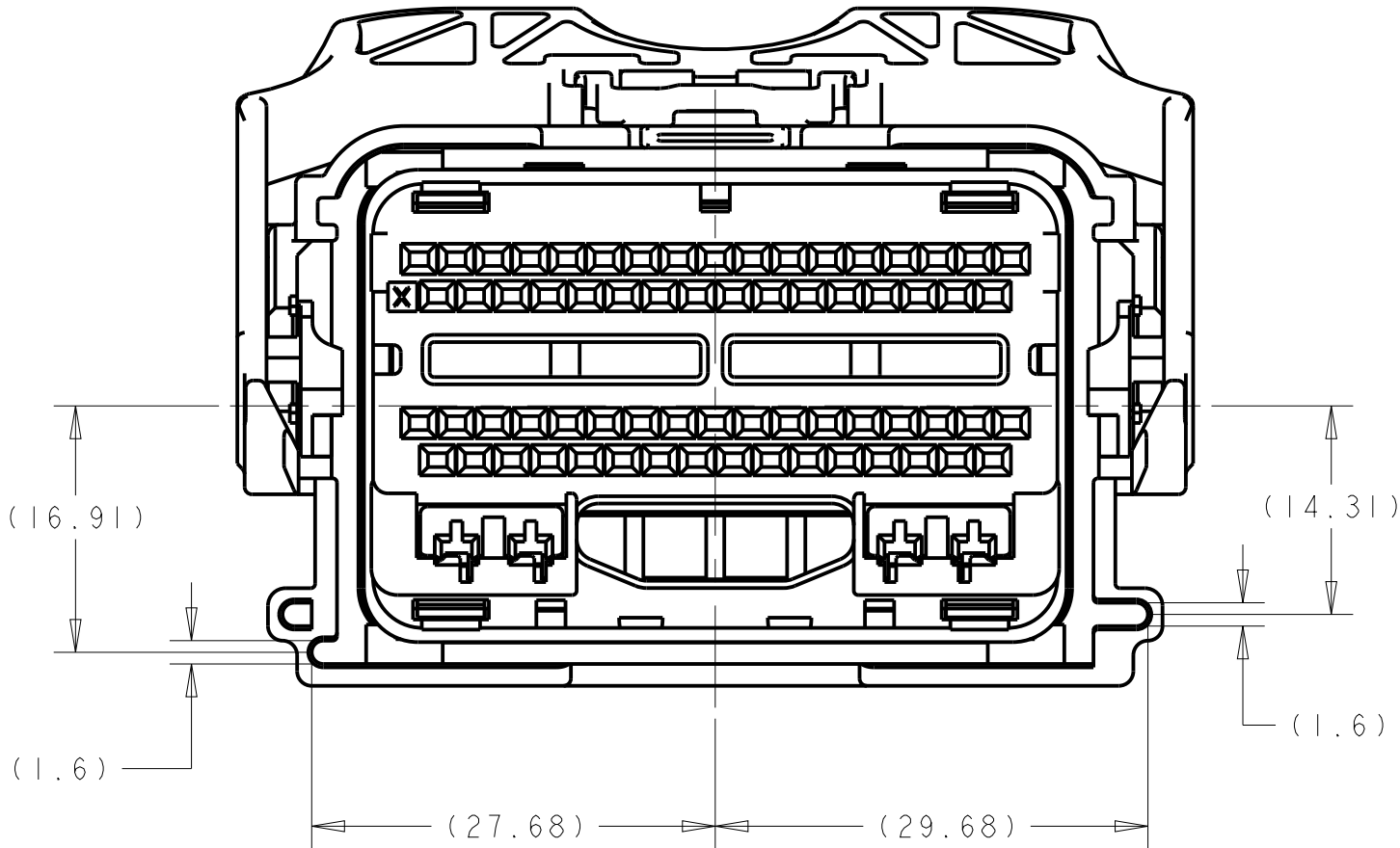
KEYING OPTION "A"



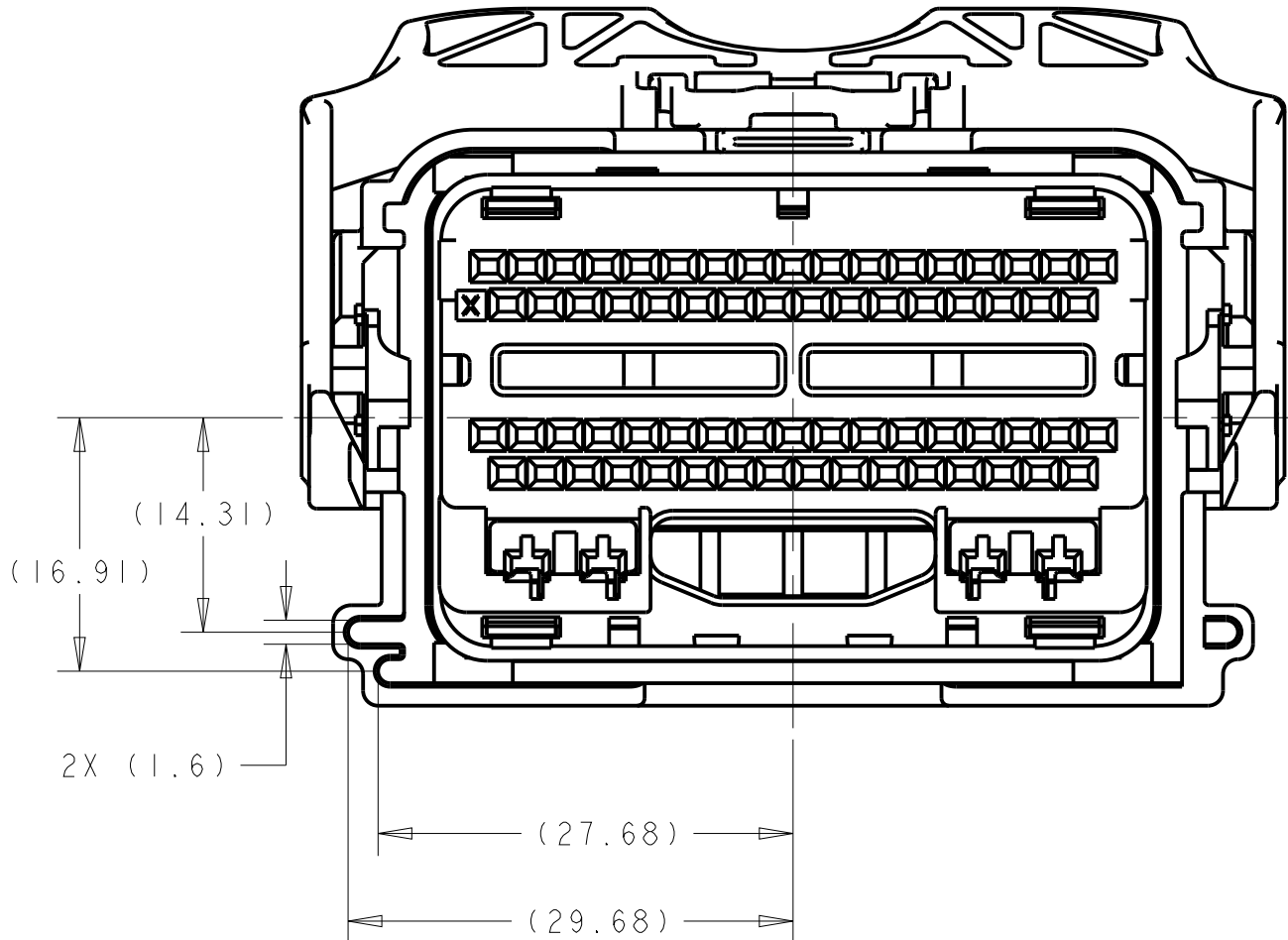
KEYING OPTION "B"



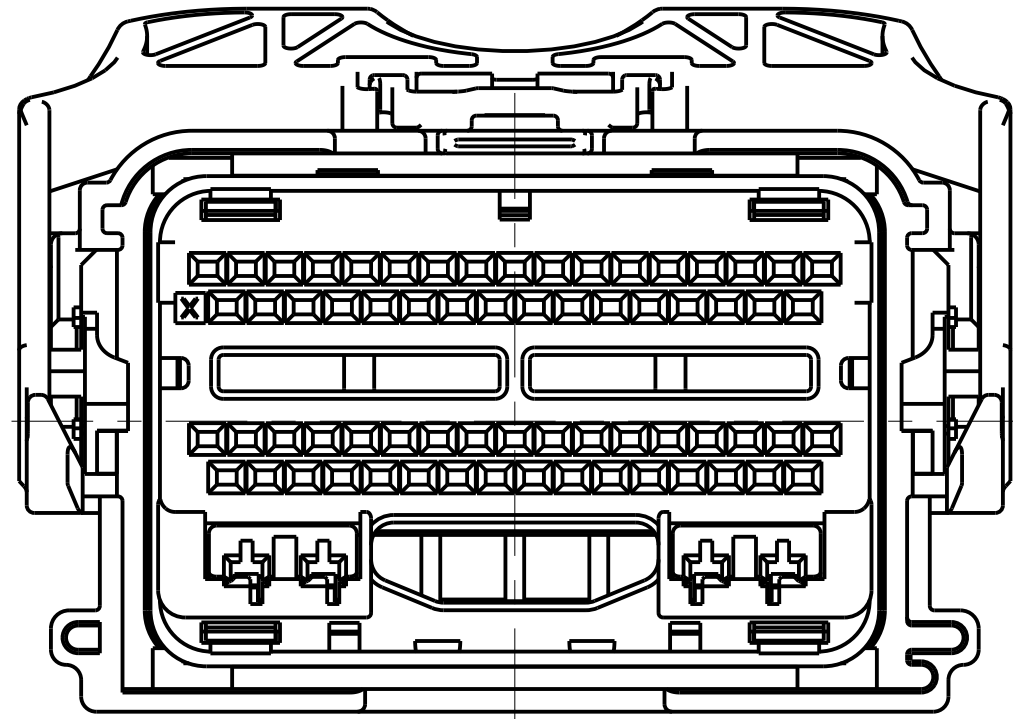
KEYING OPTION "C"



KEYING OPTION "D"



KEYING OPTION "E"



KEYING OPTION "F"

|                                        |  |                                        |           |                                                                                       |                         |           |            |               |         |
|----------------------------------------|--|----------------------------------------|-----------|---------------------------------------------------------------------------------------|-------------------------|-----------|------------|---------------|---------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | OWN<br>R. VESTAL                       | 15APR2005 |  | TE Connectivity         |           |            |               |         |
|                                        |  | CHK<br>T. VALASEK                      | 15APR2005 |                                                                                       |                         |           |            |               |         |
|                                        |  | APVD<br>T. VALASEK                     | 15APR2005 |                                                                                       | NAME                    |           |            |               |         |
|                                        |  |                                        |           |                                                                                       |                         |           |            |               |         |
| DIMENSIONS:                            |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |           |                                                                                       | 70-WAY HARNESS ASSEMBLY |           |            |               |         |
| mm                                     |  | 0 PLC ±.3                              |           |                                                                                       |                         |           |            |               |         |
|                                        |  | 1 PLC ±0.3                             |           |                                                                                       |                         |           |            |               |         |
|                                        |  | 2 PLC ±0.10                            |           |                                                                                       |                         |           |            |               |         |
|                                        |  | 3 PLC ±.1                              |           |                                                                                       |                         |           |            |               |         |
|                                        |  | 4 PLC ±.1                              |           |                                                                                       |                         |           |            |               |         |
|                                        |  | ANGLES ±1°                             |           |                                                                                       |                         |           |            |               |         |
|                                        |  | FINISH                                 |           |                                                                                       |                         |           |            |               |         |
| MATERIAL                               |  | WEIGHT                                 |           |                                                                                       | SIZE                    | CAGE CODE | DRAWING NO | RESTRICTED TO |         |
| -                                      |  | -                                      |           |                                                                                       | A1                      | 00779C    | =1438136   | -             |         |
|                                        |  | CUSTOMER DRAWING                       |           |                                                                                       | SCALE                   |           | 2:1        | SHEET 2 OF 11 | REV 647 |



|                                                                                       |  |                                                                                                         |                                                                                                       |                                                                |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>E. VESTAL 15APR2005                                                                              |  TE Connectivity |                                                                |
|                                                                                       |  | CHR<br>T. VALASEK 15APR2005                                                                             |                                                                                                       |                                                                |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±0.3<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±<br>4 PLC ± |                                                                                                       | NAME<br>70-WAY HARNESS ASSEMBLY                                |
|  |  | PRODUCT SPEC<br>-                                                                                       |                                                                                                       | SIZE CAGE CODE DRAWING NO RESTRICTED TO<br>A100779 C=1438136 - |
| MATERIAL<br>-                                                                         |  | FINISH<br>-                                                                                             |                                                                                                       | WEIGHT<br>-                                                    |
|                                                                                       |  | CUSTOMER DRAWING<br>-                                                                                   |                                                                                                       | SCALE 2:1 SHEET 3 OF 11 REV 47                                 |

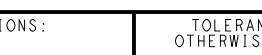


|                              |                          |                      |
|------------------------------|--------------------------|----------------------|
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| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| NO        | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET I | -    | -   | -    |
|           |     |             |      |     |      |
|           |     |             |      |     |      |
|           |     |             |      |     |      |
|           |     |             |      |     |      |

KEYING OPTION A

[illegible]

|                                                                                                            |                                                                                                                         |                                                                                                                |                                                                                                       |                    |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                     |                                                                                                                         | DWG<br><b>T. VESTAL</b> 15APR2005<br>CHK<br><b>T. VALASEK</b> 15APR2005<br>APPR<br><b>T. VALASEK</b> 15APR2005 |  TE Connectivity |                    |
| DIMENSIONS:<br>mm<br> | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±.<br>4 PLC ±.<br>ANGLES ±° | PRODUCT SPEC<br>-<br>APPLICATION SPEC<br>-                                                                     | NAME<br><br>70-WAY HARNESS ASSEMBLY                                                                   |                    |
| MATERIAL                                                                                                   | FINISH                                                                                                                  | WEIGHT                                                                                                         | SIZE CAGE CODE DRAWING NO<br><b>A100779</b> <b>C1438136</b>                                           | RESTRICTED TO<br>- |
| -                                                                                                          | -                                                                                                                       | -                                                                                                              | SCALE 2:1 SHEET 4 OF 11                                                                               | REG 47             |
| CUSTOMER DRAWING                                                                                           |                                                                                                                         |                                                                                                                |                                                                                                       |                    |



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

KEYING OPTION B

CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS

BLANK CAVITIES INDICATES OPEN TERMINAL HOLE LOCATIONS

TERMINAL HOLE POSITION

5L3T-14A464-E\* 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 ±.3

1 PLC ±0.10

2 PLC ±.1

3 PLC ±.1

4 PLC ±.1

ANGLES ±1°

FINISH

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

70-WAY HARNESS ASSEMBLY

SIZE CAGE CODE DRAWING NO

A100779C=1438136

RESTRICTED TO

-

SCALE

2:1

SHEET

5

OF

11

REV

647

TE Connectivity

ASSEMBLY PART NUMBER

FORD PART NUMBER









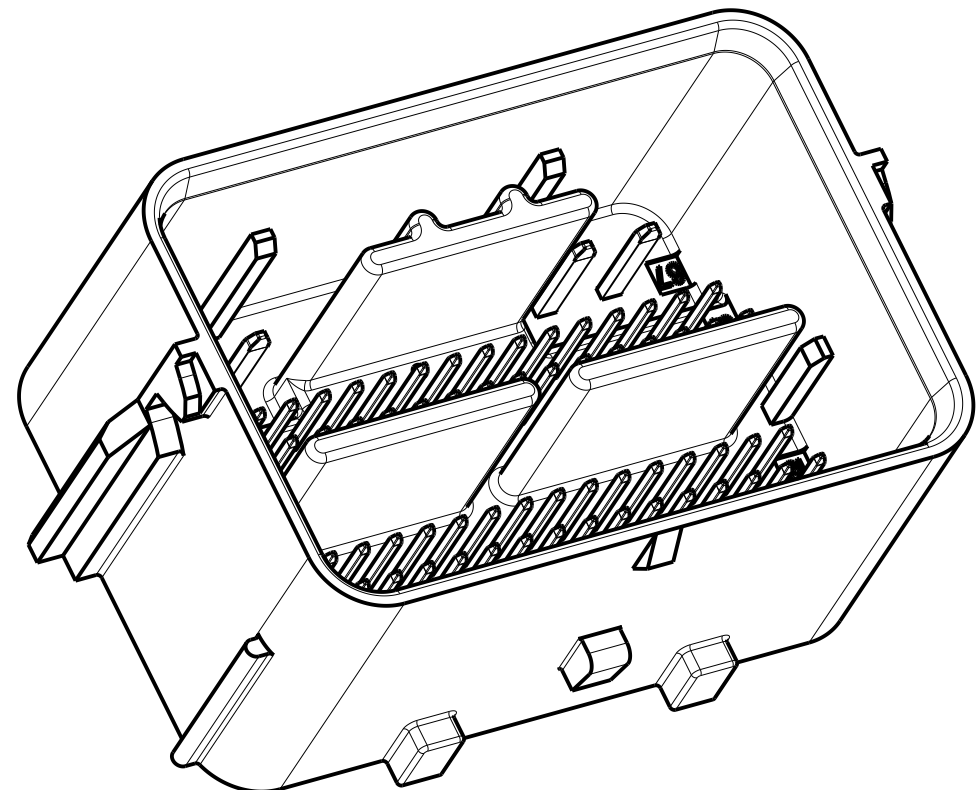




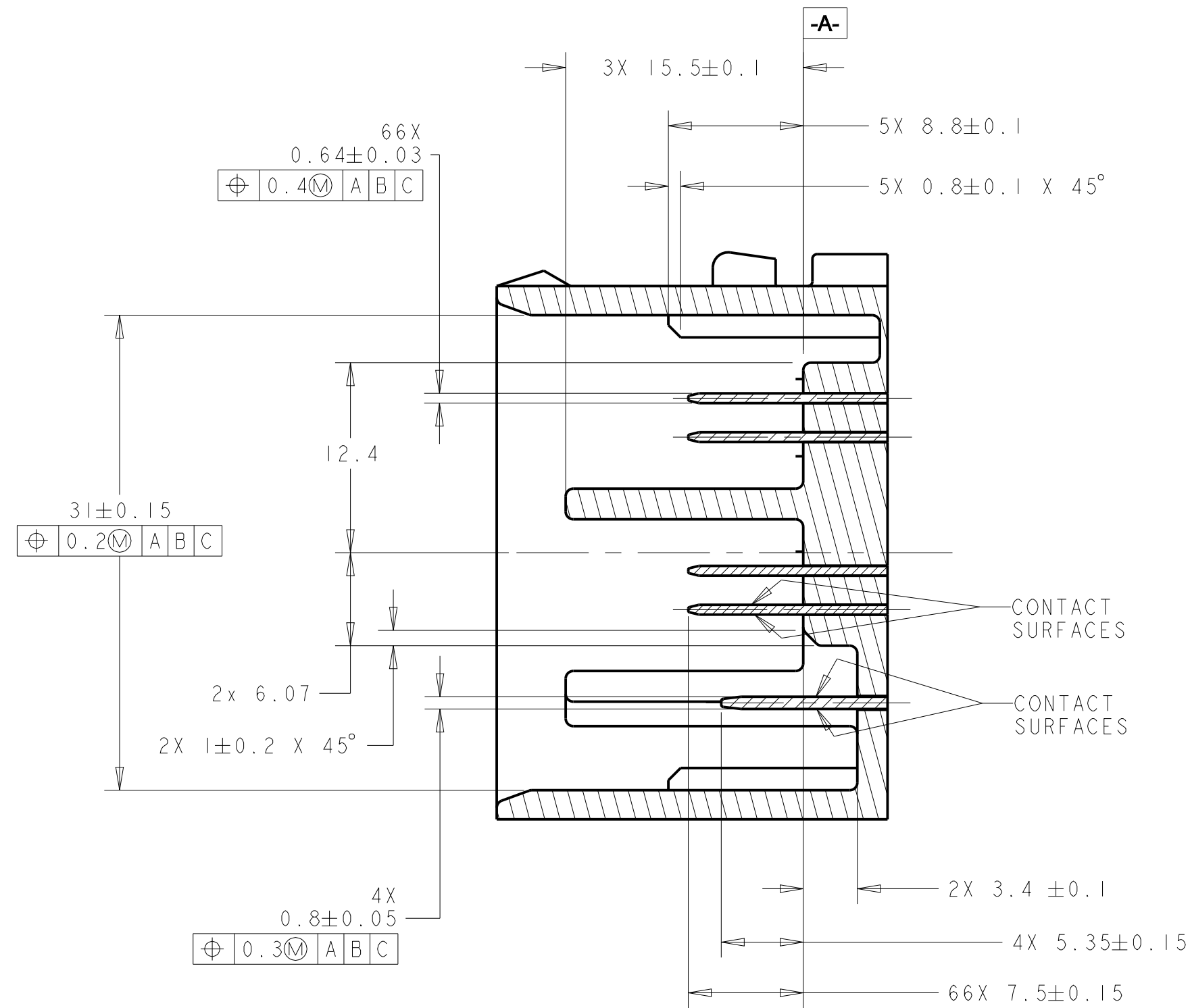
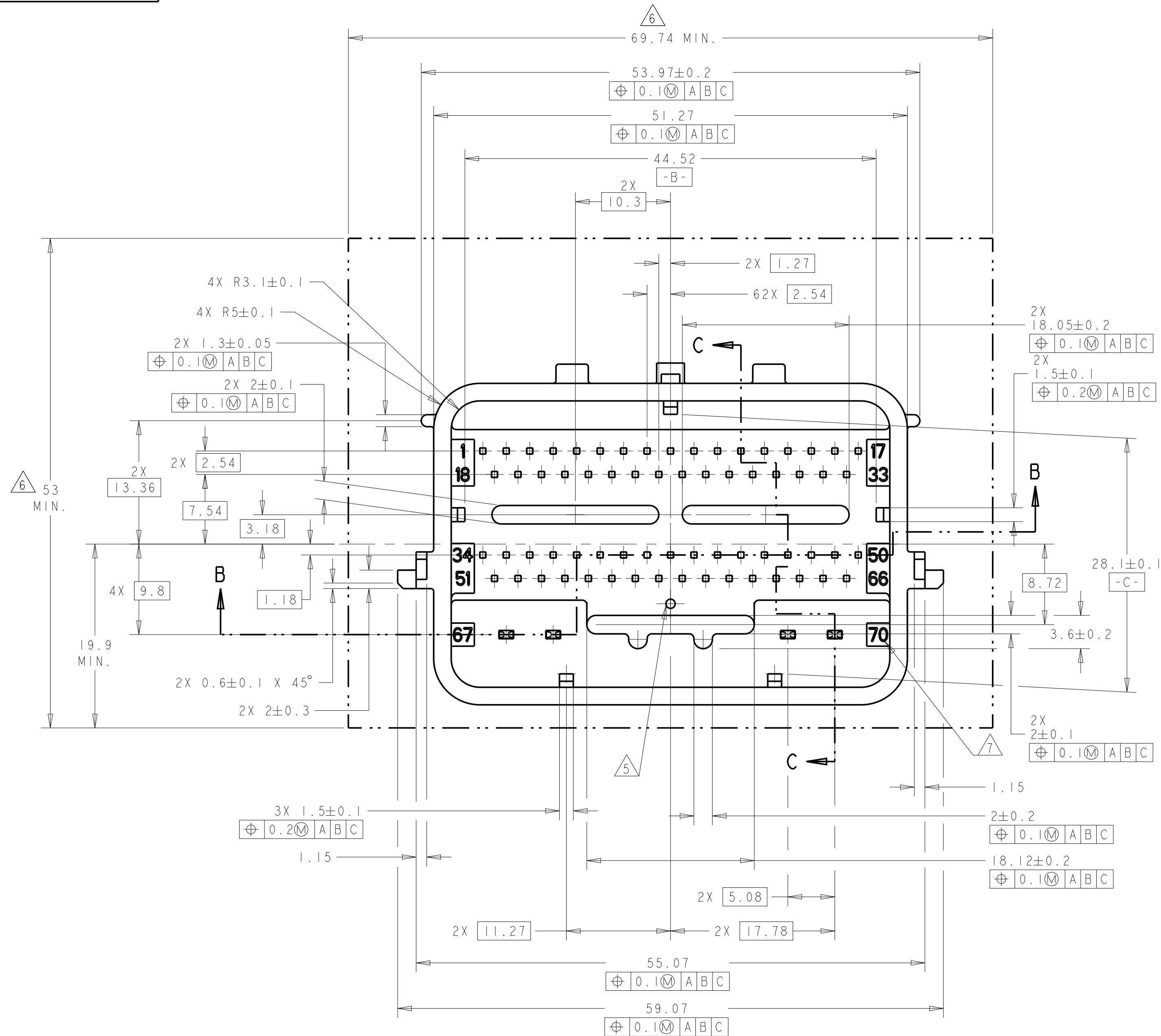




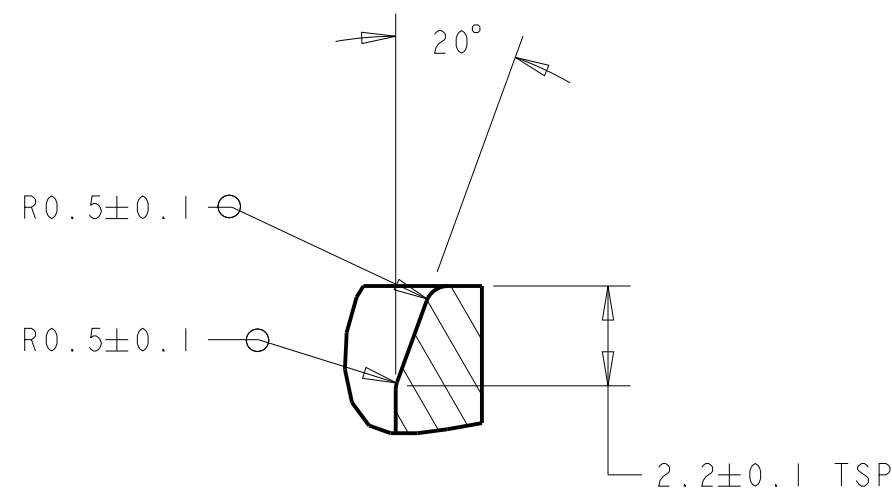




SCALE 2:1



SECTION C-C



DETAIL F  
SCALE 6:1

NOTES: UNLESS OTHERWISE SPECIFIED

1. GENERAL TOLERANCE:  
±0.3 ALL ONE PLACE DIMENSIONS  
±0.10 ALL TWO PLACE DIMENSIONS  
±1°00' ALL ANGULAR DIMENSIONS

2. DRAFT ANGLE PERMISSIBLE ONLY WITHIN  
DRAWING TOLERANCE.

3 SEALING SURFACE, NO WITNESS LINES OF DAMAGE PERMITTED.

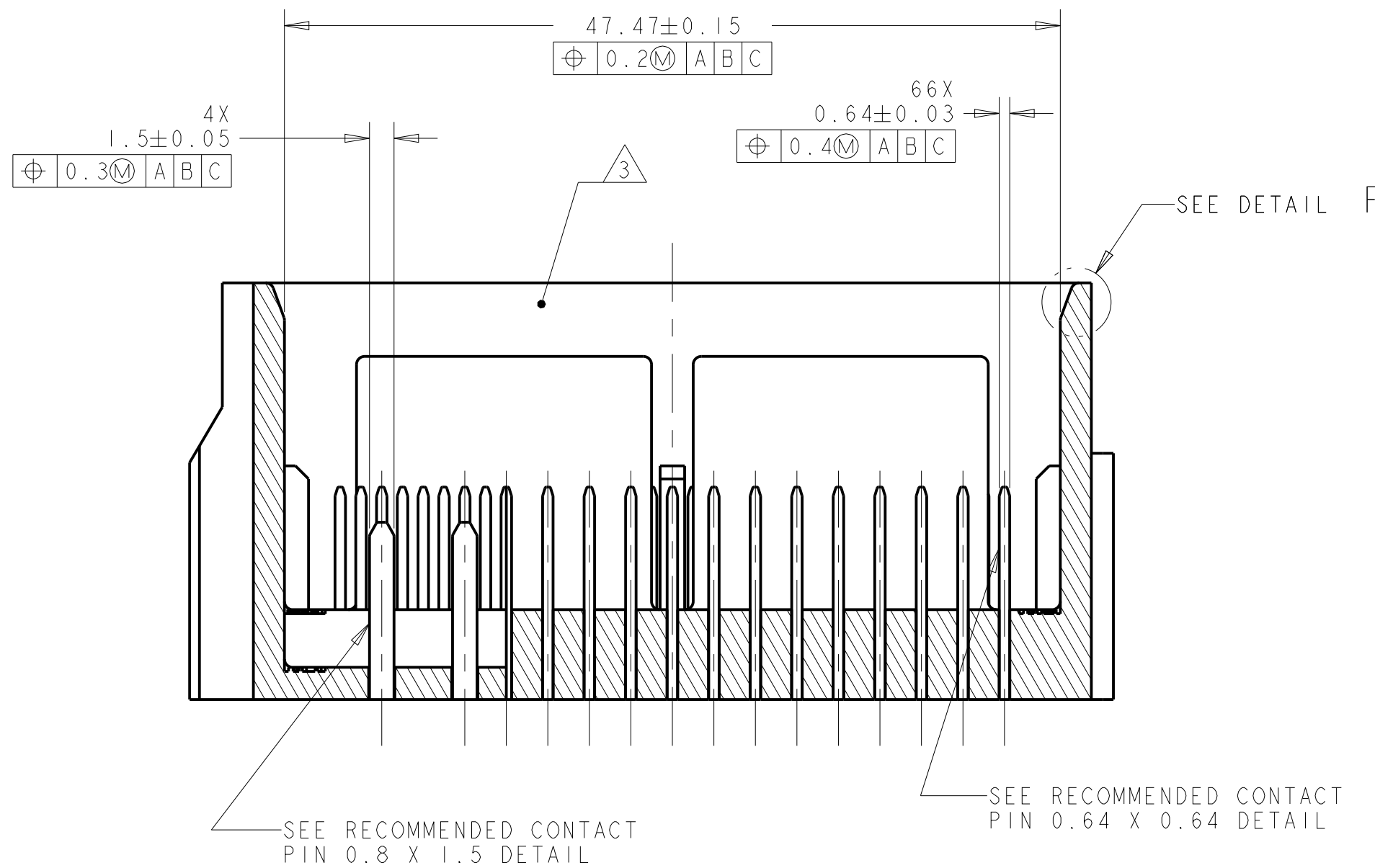
4. ALL UNMARKED RADII TO BE 0.5 MAX., UNLESS OTHERWISE SPECIFIED

5 VENT HOLE SIZE AND LOCATION IS OPTIONAL.

6 THIS AREA TO REMAIN CLEAR FOR THE HARNESS ASSEMBLY.

7 TERMINAL POSITION IDENTIFICATION.

8. MATES WITH TYCO ELECTRONICS PART# 1438136-\*



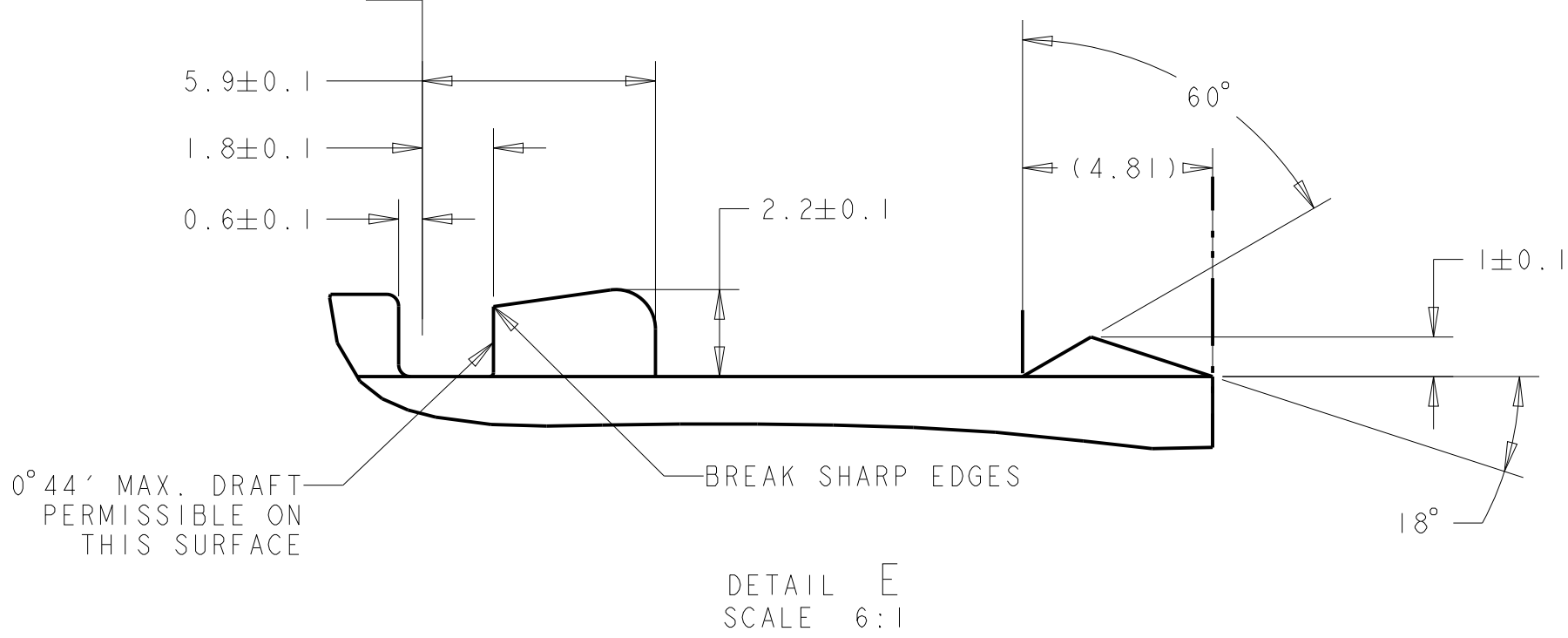
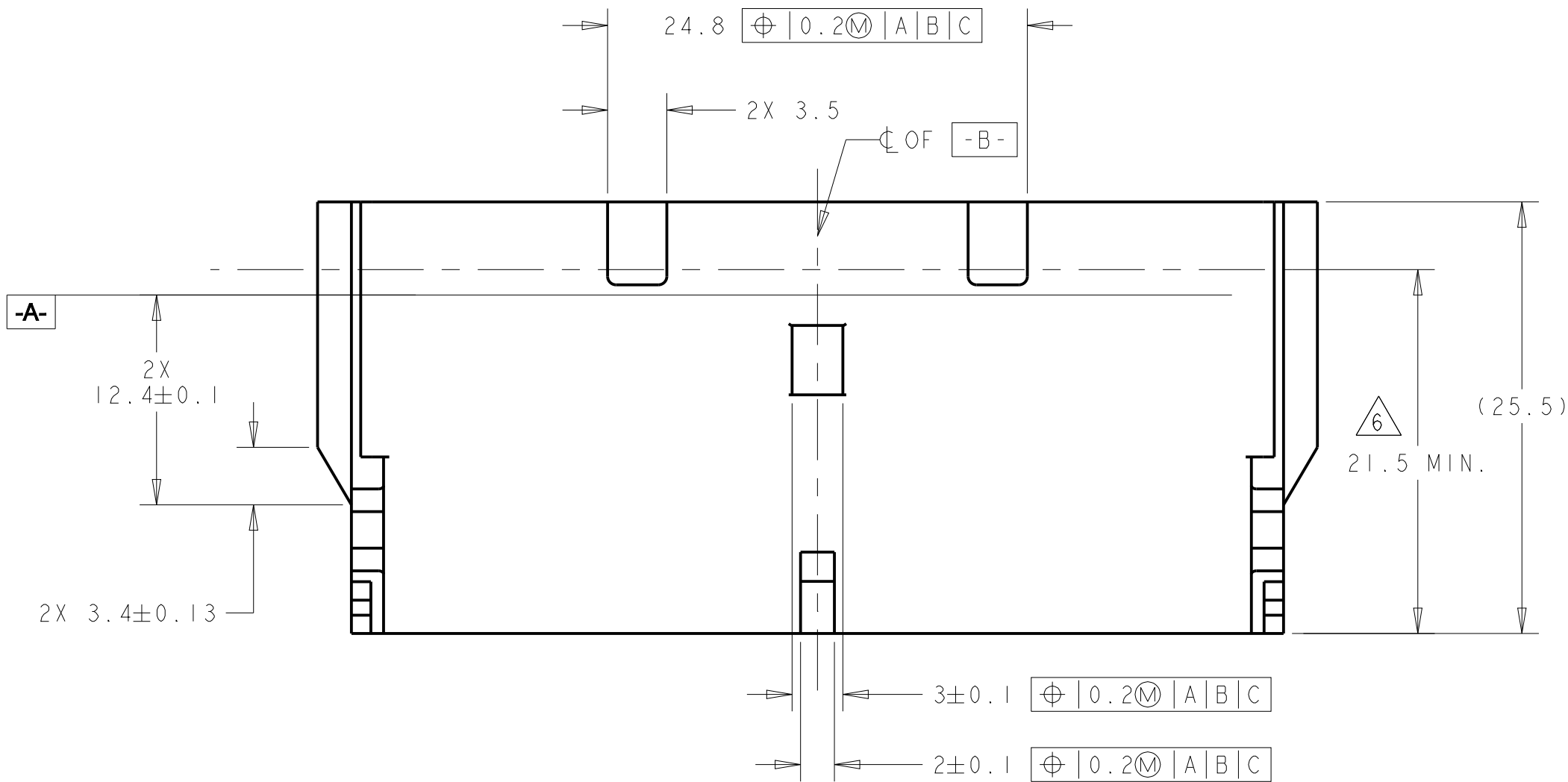
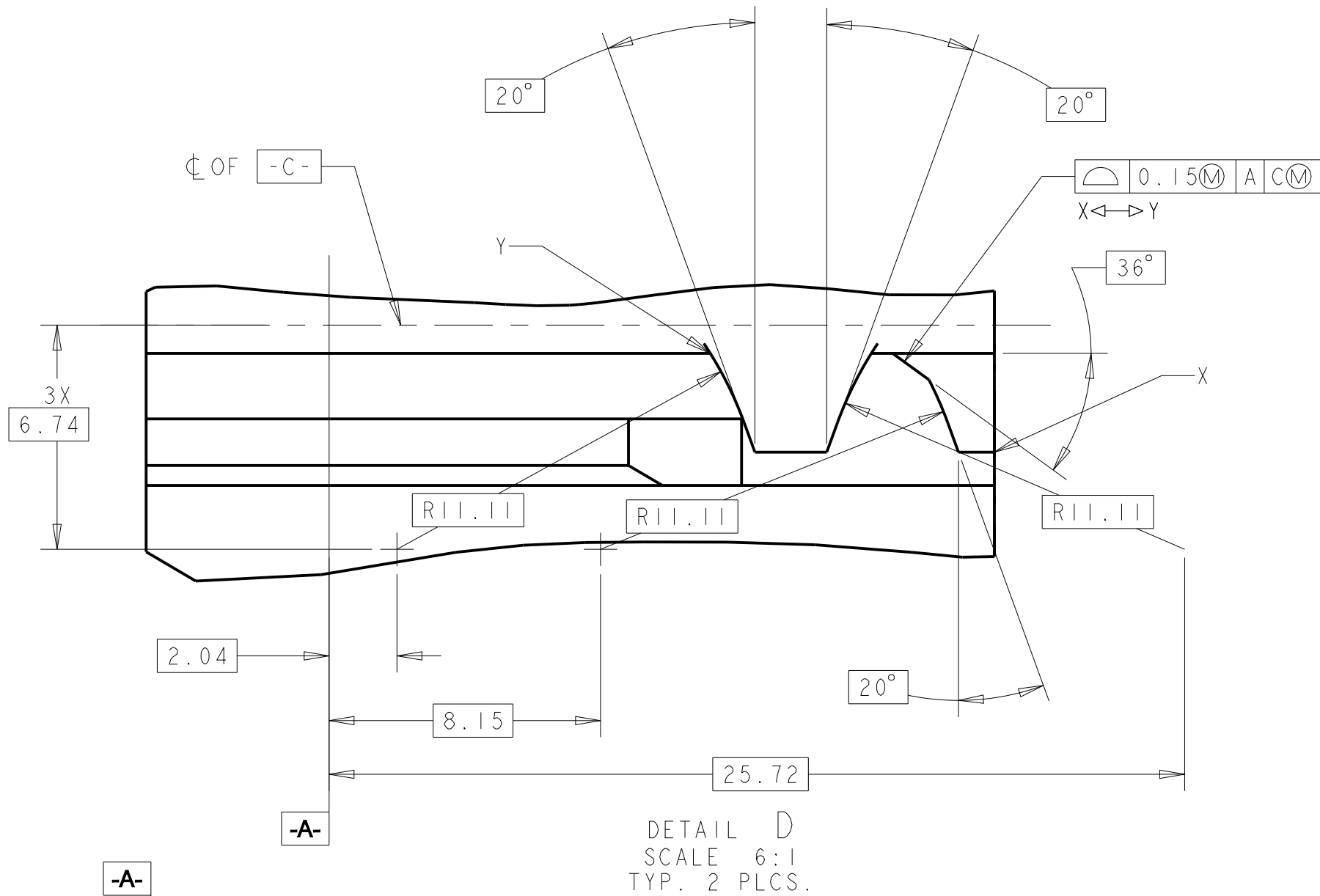
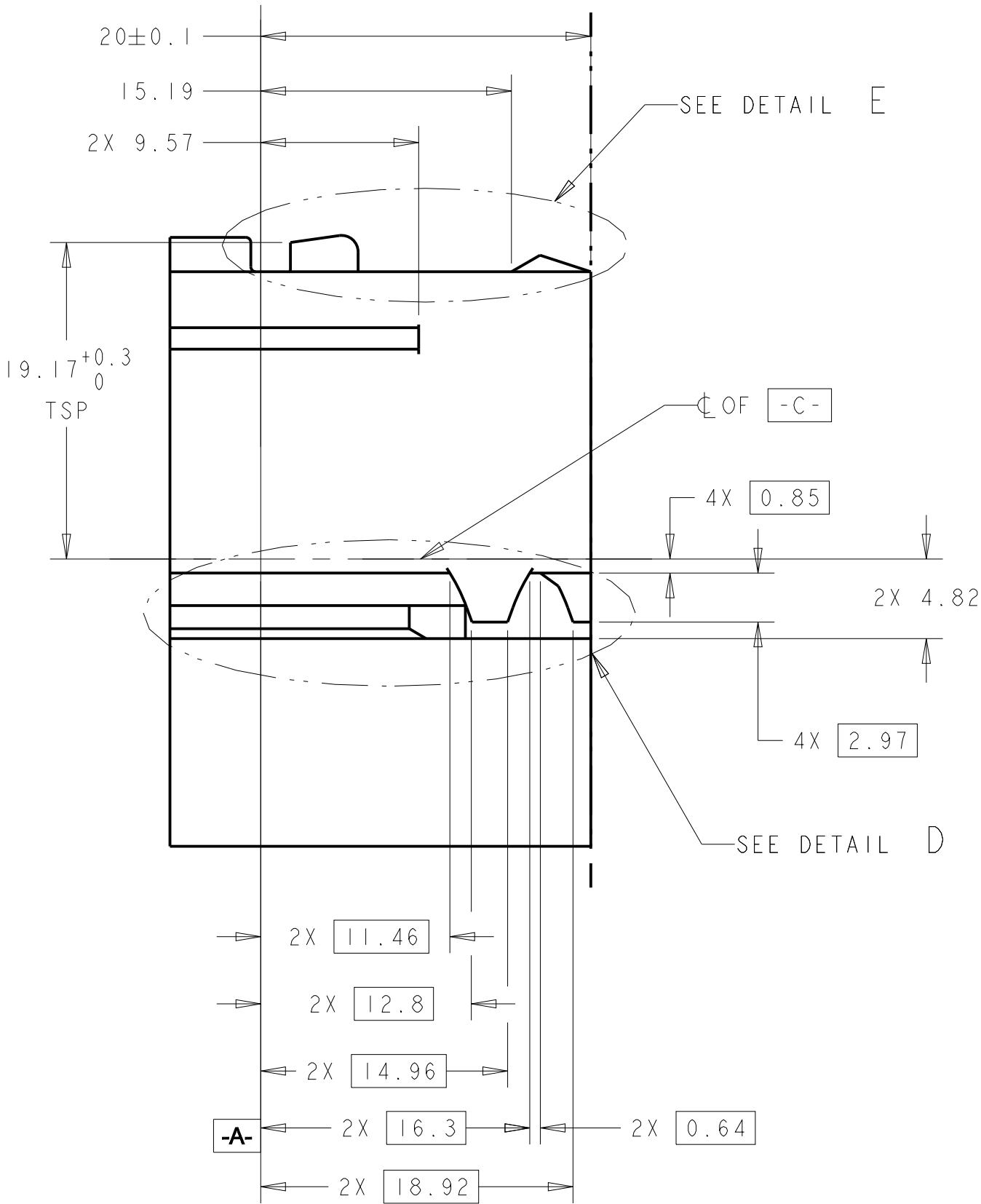
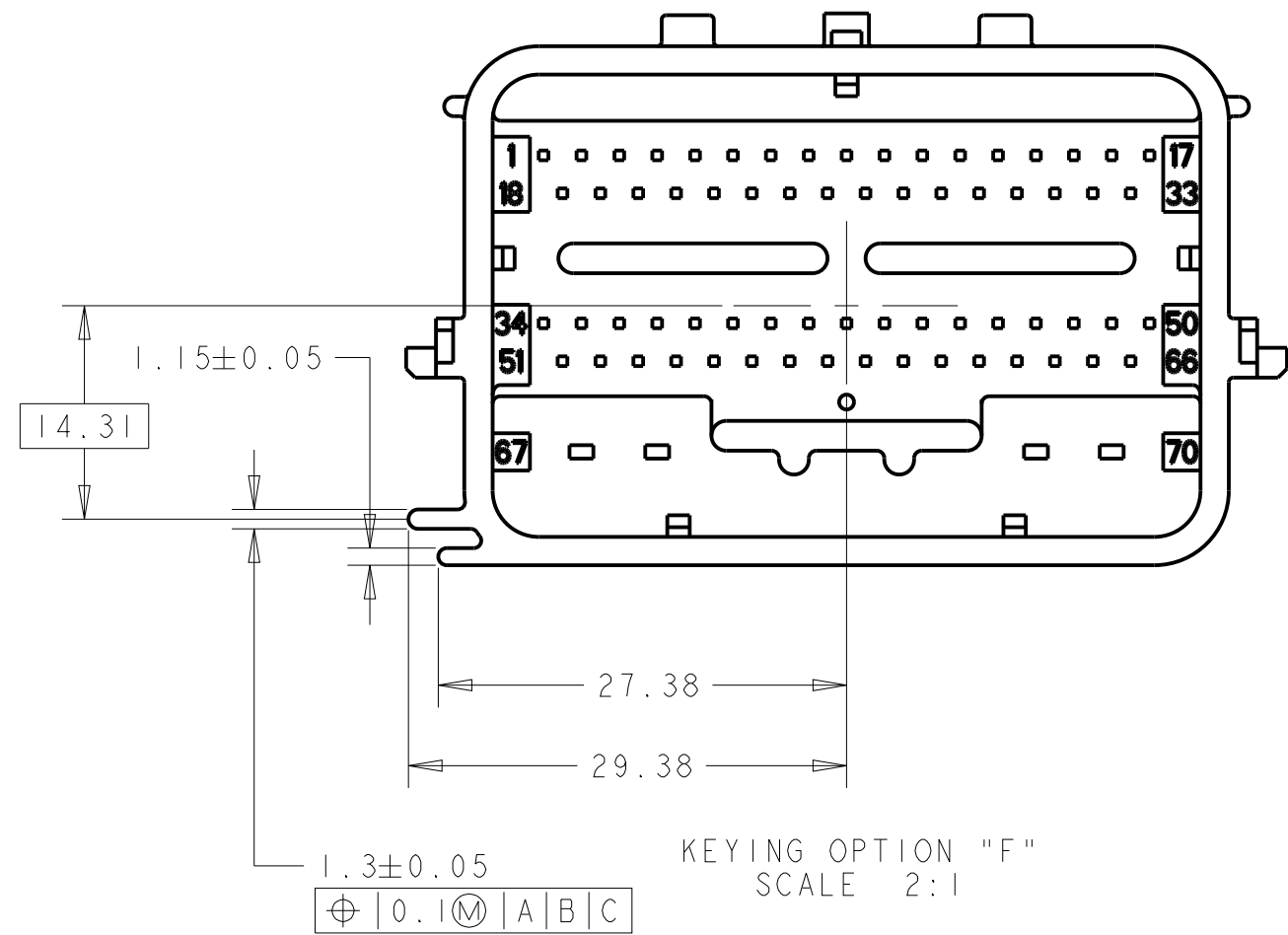
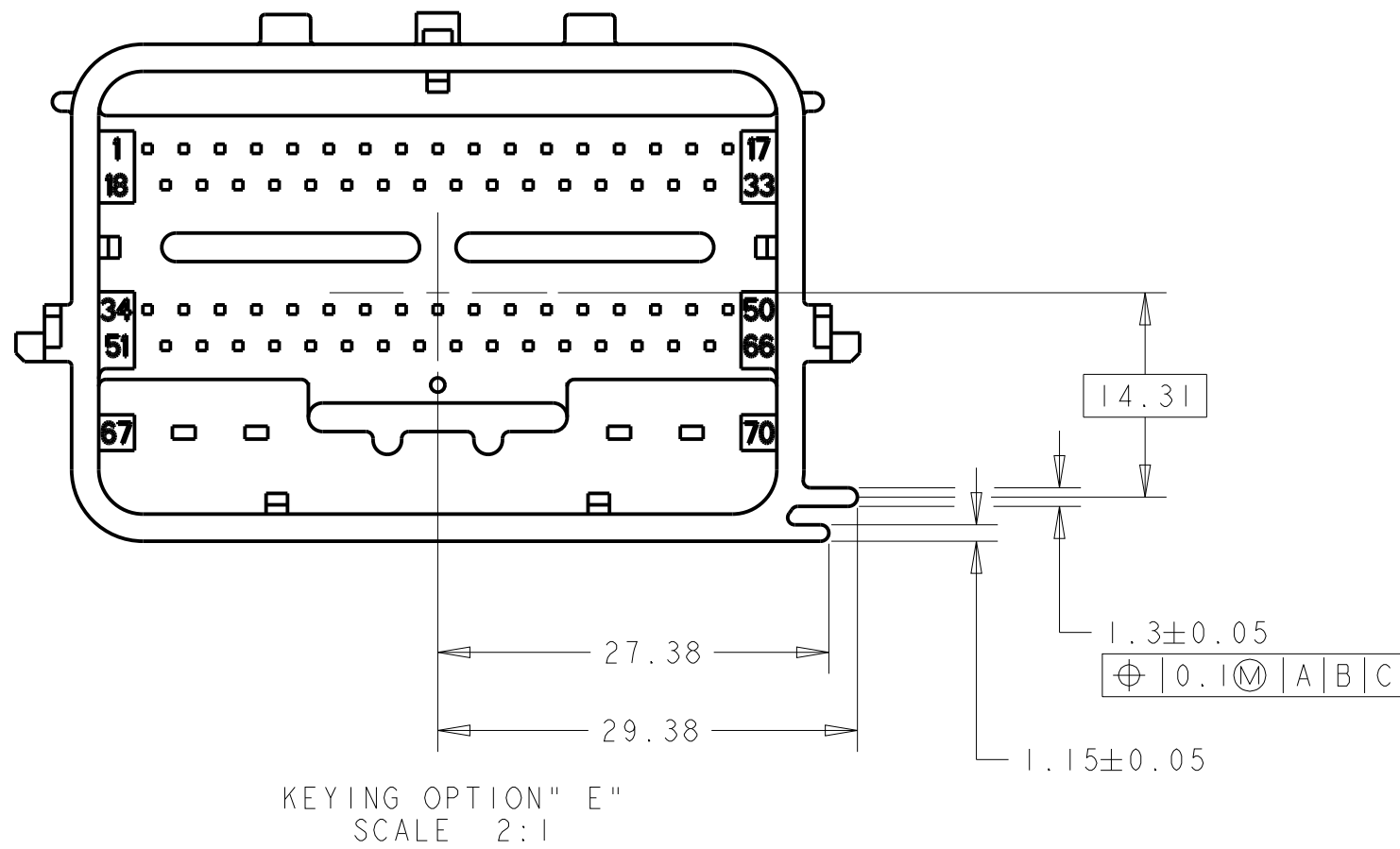
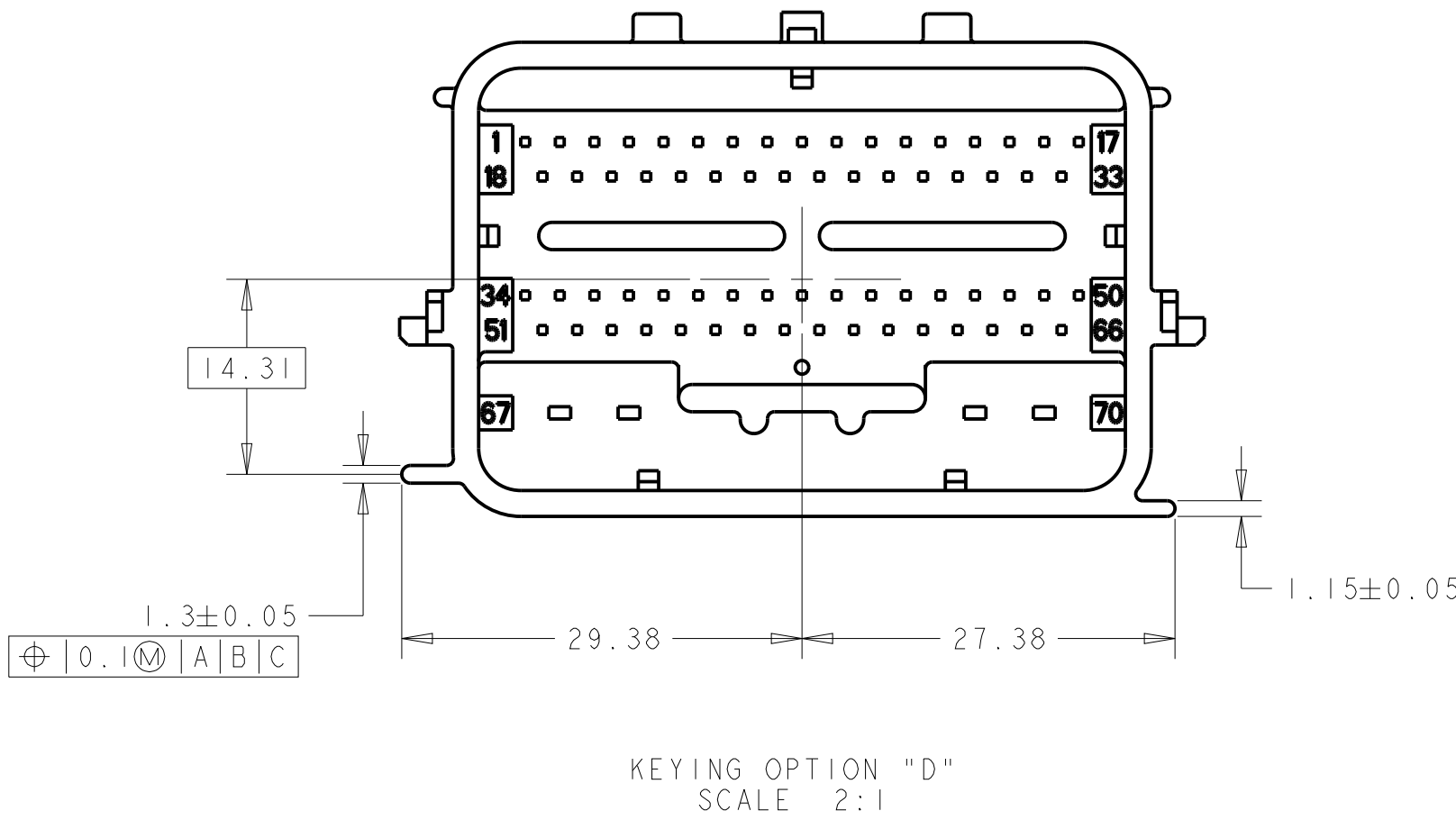
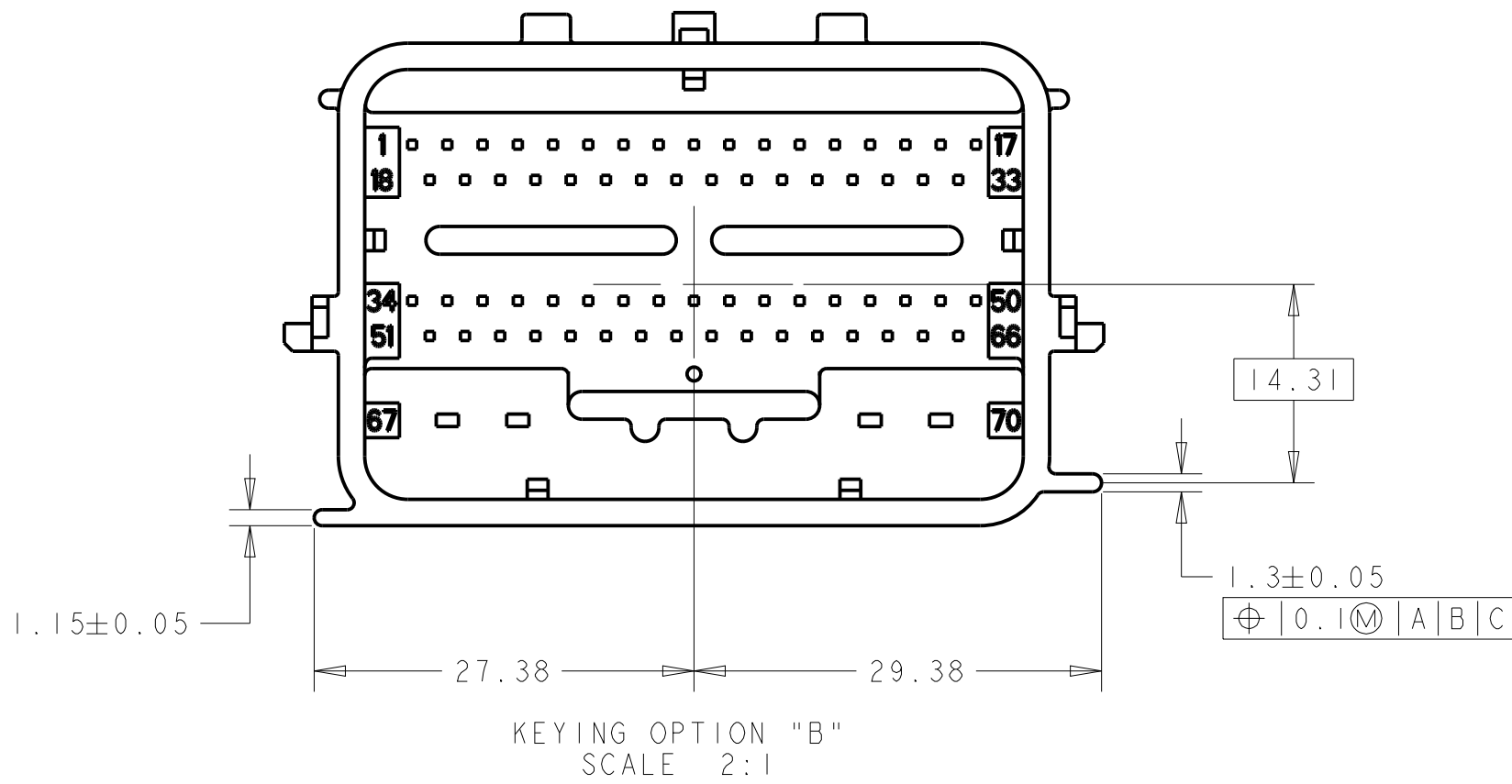
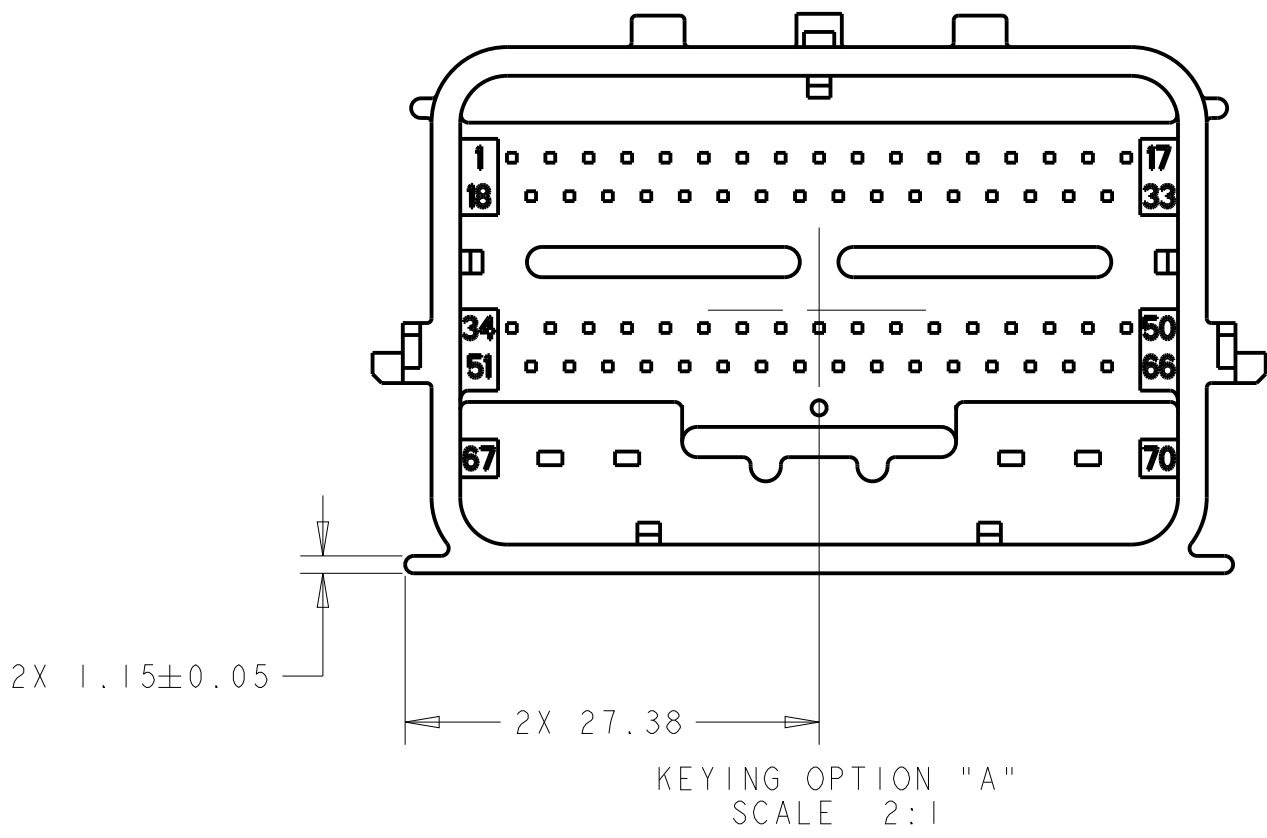
SECTION B-B

|                                                                                       |  |                                 |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|---------------------------------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | OWN<br>R. VESTAL<br>15APR2005   |  TE Connectivity |  |
| DIMENSIONS:                                                                           |  | CHK<br>T. VALASEK<br>15APR2005  |                                                                                                       |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                |  | APVD<br>T. VALASEK<br>15APR2005 | NAME                                                                                                  |  |
| mm                                                                                    |  | PRODUCT SPEC                    | 70-WAY HARNESS ASSEMBLY                                                                               |  |
|  |  | APPLICATION SPEC                |                                                                                                       |  |
| 0 PLC ±0.3                                                                            |  | WEIGHT                          | SIZE                                                                                                  |  |
| 1 PLC ±0.10                                                                           |  | CAGE CODE                       | DRAWING NO                                                                                            |  |
| 2 PLC ±0.10                                                                           |  | CUSTOMER DRAWING                | RESTRICTED TO                                                                                         |  |
| 3 PLC ±0.10                                                                           |  | SCALE                           | SHEET                                                                                                 |  |
| 4 PLC ±0.10                                                                           |  | 2:1                             | 10 OF 11                                                                                              |  |
| ANGLES ±1°                                                                            |  | REV                             | G47                                                                                                   |  |
| FINISH                                                                                |  | A100779                         | C=1438136                                                                                             |  |
| MATERIAL                                                                              |  | -                               | -                                                                                                     |  |
| -                                                                                     |  | -                               | -                                                                                                     |  |
| -                                                                                     |  | -                               | -                                                                                                     |  |



HEADER INTERFACE KEYING OPTIONS

| REVISIONS |      |             |      |          |
|-----------|------|-------------|------|----------|
| P.        | LTR. | DESCRIPTION | DATE | OWN APVD |
| -         | -    | SEE SHEET 1 | -    | -        |
|           |      |             |      |          |
|           |      |             |      |          |
|           |      |             |      |          |



|                                        |                                        |                                 |                                  |  |
|----------------------------------------|----------------------------------------|---------------------------------|----------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                        | OWN<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>70-WAY HARNESS ASSEMBLY  |  |
|                                        | 0 PLC ±0.3                             | PRODUCT SPEC                    | SIZE<br>A100779C=1438136         |  |
|                                        | 1 PLC ±0.10                            | APPLICATION SPEC                |                                  |  |
| MATERIAL                               | 2 PLC ±0.10                            | WEIGHT                          | RESTRICTED TO                    |  |
| -                                      | 3 PLC ±0.10                            | -                               | SCALE 2:1 SHEET 11 OF 11 REV 647 |  |
| -                                      | 4 PLC ±0.10                            | CUSTOMER DRAWING                |                                  |  |
| -                                      | ANGLES ±1°                             |                                 |                                  |  |
| -                                      | FINISH                                 |                                 |                                  |  |

# Mouser Electronics

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