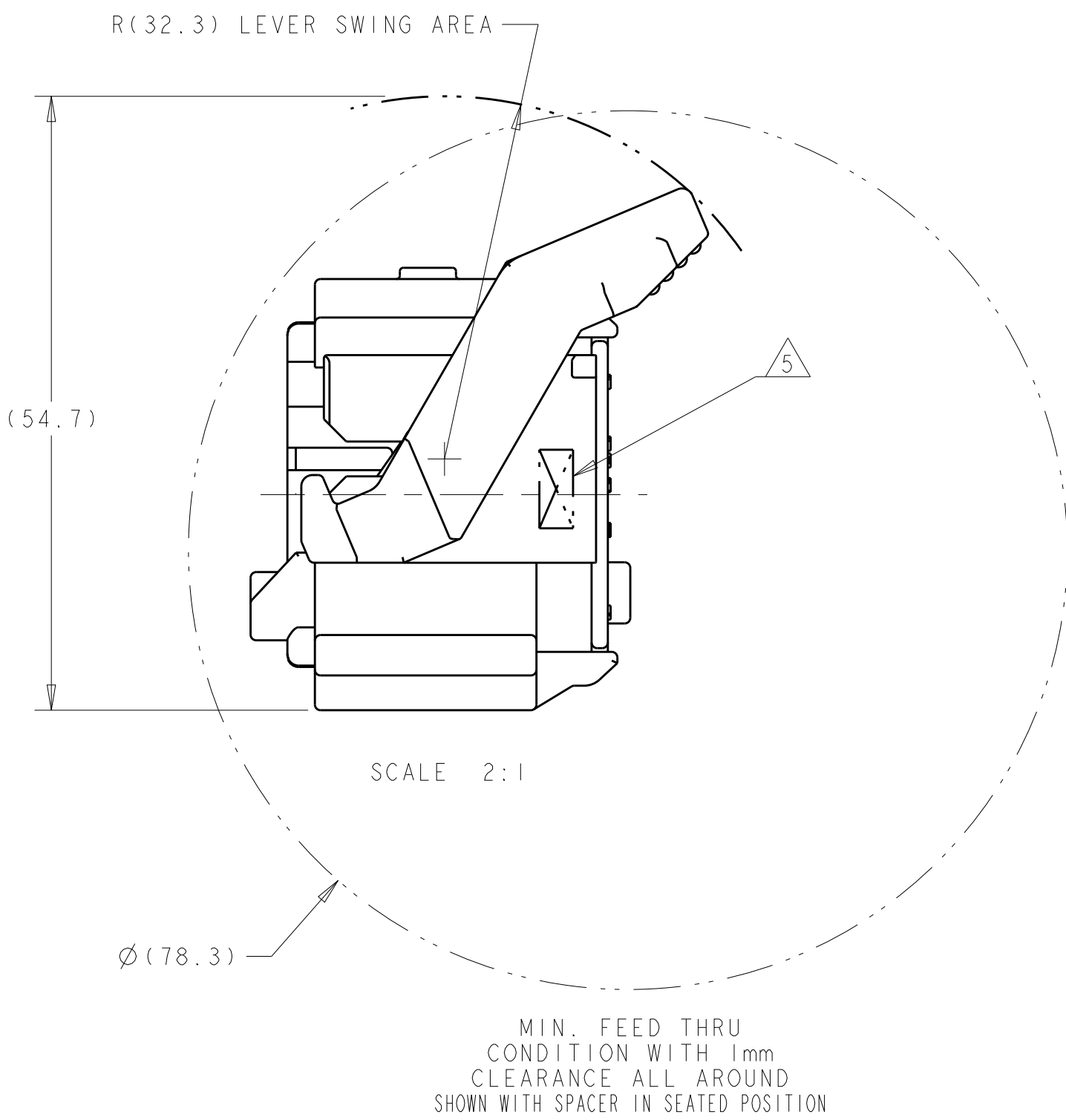




1438129-1  
SHOWN WITH SPACER  
IN SEATED POSITION



| 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

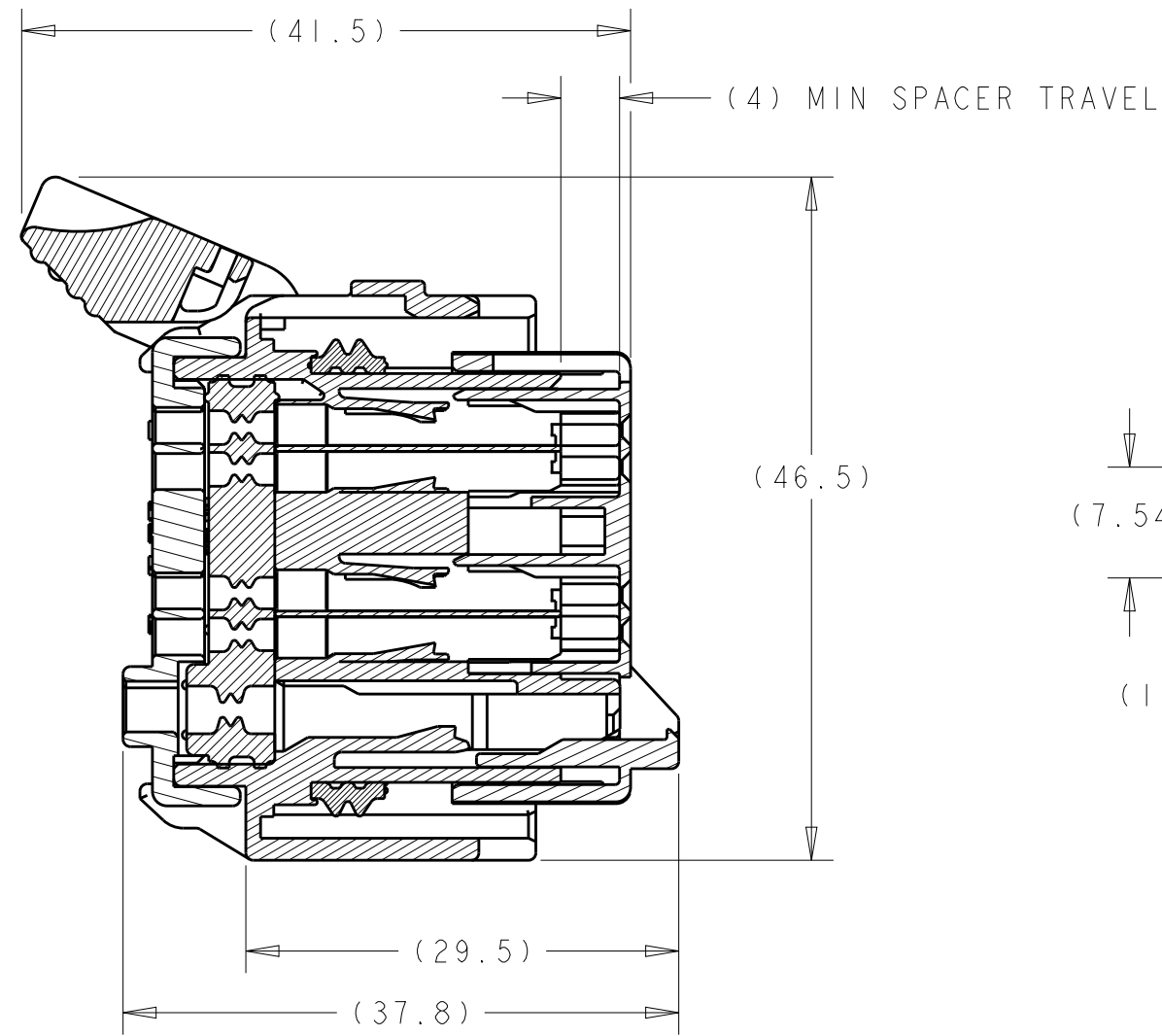
PRINT PART NUMBER (5S4T-14A464-L\*-\*\*\*, 5S4T-14A464-M\*-\*\*\*, 5S4T-14A464-N\*-\*\*\*) AND TRACEABILITY (YY : 2 DIGIT YEAR, JJJ = JULIAN DATE, HH = 2 DIGIT MILITARY HOUR CODE IN THE LOCATION AT ASSEMBLY. SEE SHEET 3 THRU 7 (-\*) PART NUMBERS.
2.

APPLICABLE MOLEX (1.5) POWER TERMINAL PART NUMBERS:  
33012-0002 TIN 0.50-1.50mm<sup>2</sup>
3.

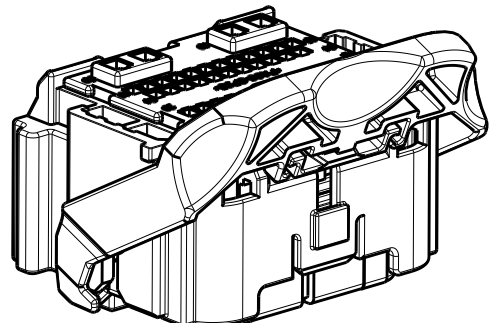
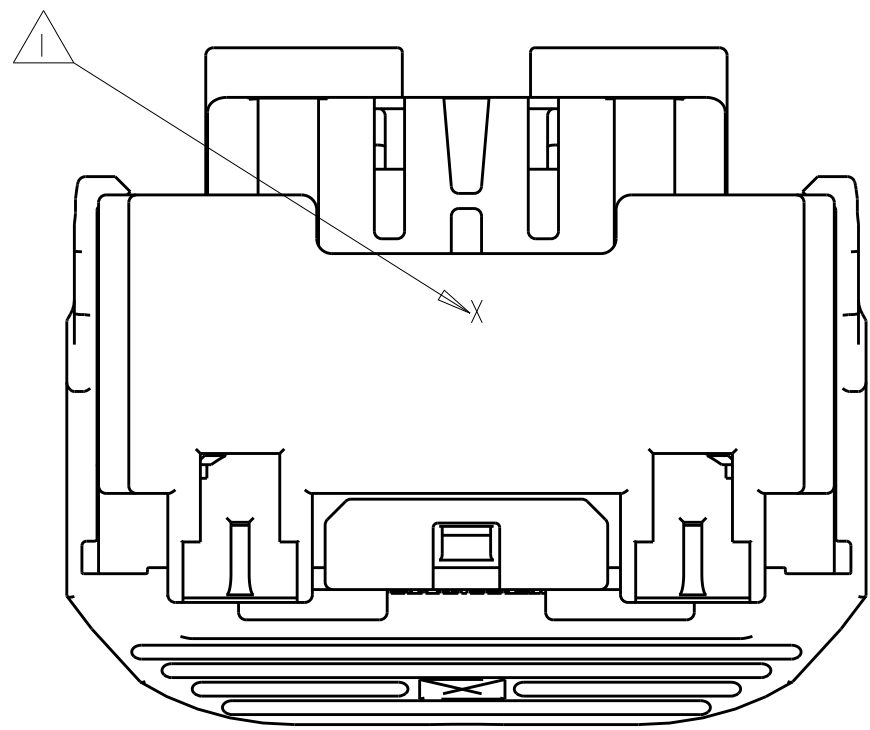
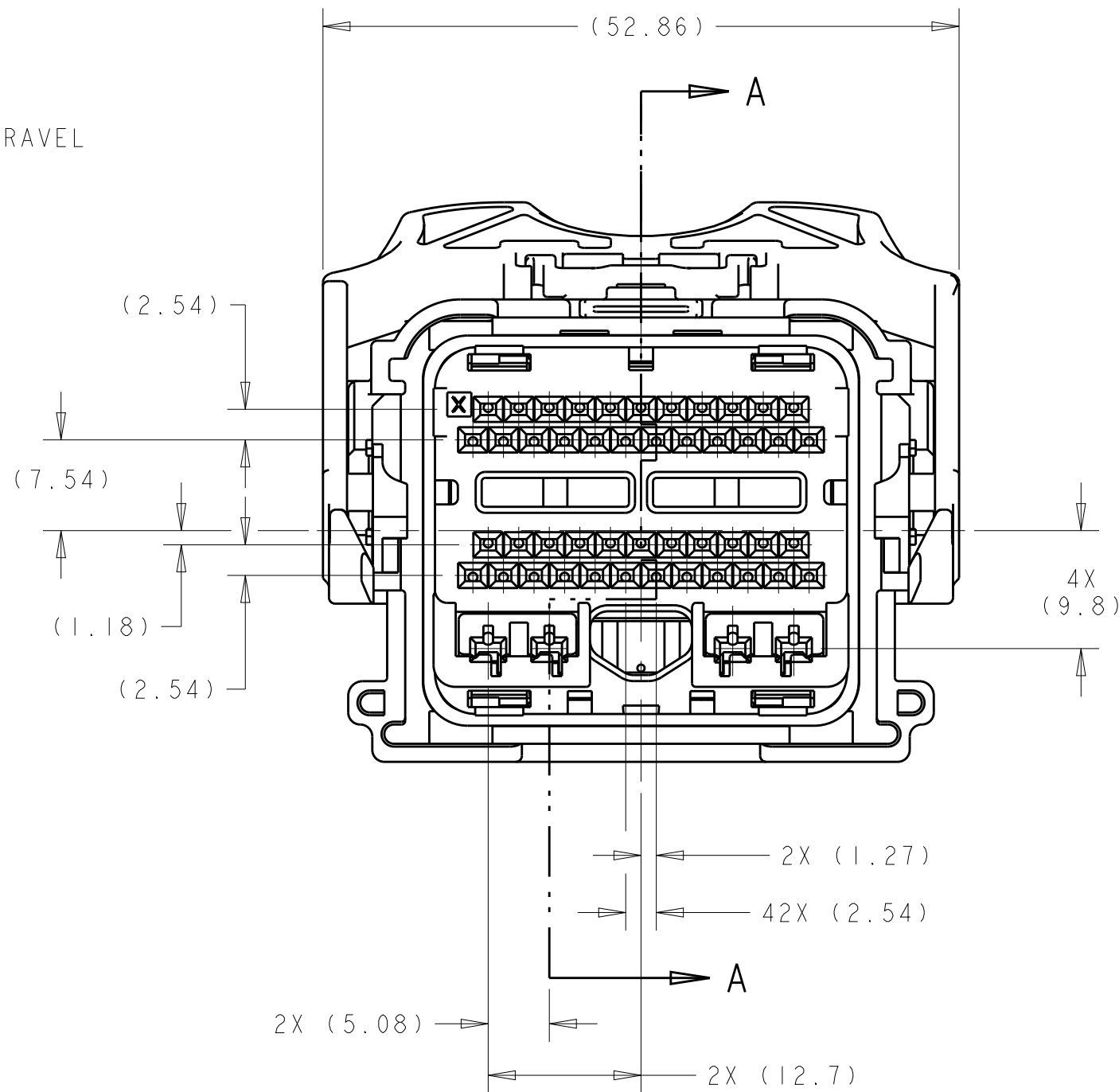
CAM LEVER AND SPACER ARE SHIPPED IN THEIR PRE-ASSEMBLED POSITIONS.
4.

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<br>R. VESTAL   | 15APR2005 | NAME<br><b>TE</b> TE Connectivity<br>50-WAY HARNESS ASSEMBLY,<br>PCM | SIZE<br>A1 | CAGE CODE<br>00779 | DRAWING NO.<br>1438129 | RESTRICTED TO<br>- |
| DIMENSIONS:                               |  |  | CHK<br>T. VALASEK  | 15APR2005 |                                                                      |            |                    |                        |                    |
| TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  |  | APVD<br>T. VALASEK | 15APR2005 |                                                                      |            |                    |                        |                    |
| mm                                        |  |  | PRODUCT SPEC       |           |                                                                      |            |                    |                        |                    |
| 0 PLC ±.3                                 |  |  | APPLICATION SPEC   |           |                                                                      |            |                    |                        |                    |
| 1 PLC ±0.10                               |  |  | WEIGHT             |           |                                                                      |            |                    |                        |                    |
| 2 PLC ±.1                                 |  |  | CUSTOMER DRAWING   |           |                                                                      |            |                    |                        |                    |
| 3 PLC ±.1                                 |  |  | SCALE              | 1:1       |                                                                      |            |                    |                        |                    |
| 4 PLC ±.1                                 |  |  | SHEET              | 1         |                                                                      |            |                    |                        |                    |
| ANGLES FINISH                             |  |  | OF                 | 10        |                                                                      |            |                    |                        |                    |
| MATERIAL                                  |  |  | REV                | F35       |                                                                      |            |                    |                        |                    |

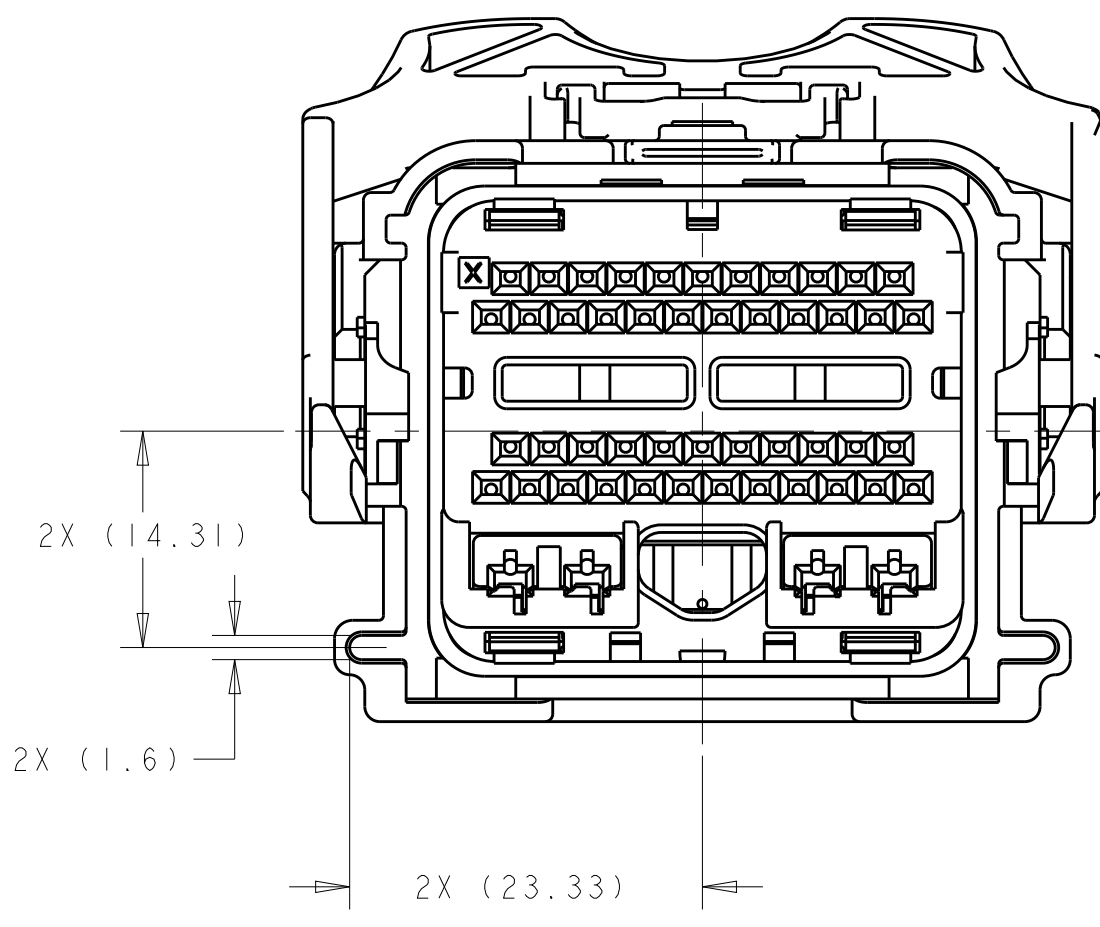
| REVISIONS |      |             |      |      |       |
|-----------|------|-------------|------|------|-------|
| P.        | LTR. | DESCRIPTION | DATE | DWN. | APVD. |
| -         | -    | SEE SHEET 1 | -    | -    | -     |
|           |      |             |      |      |       |
|           |  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



1438129-1  
KEYING OPTION "A"



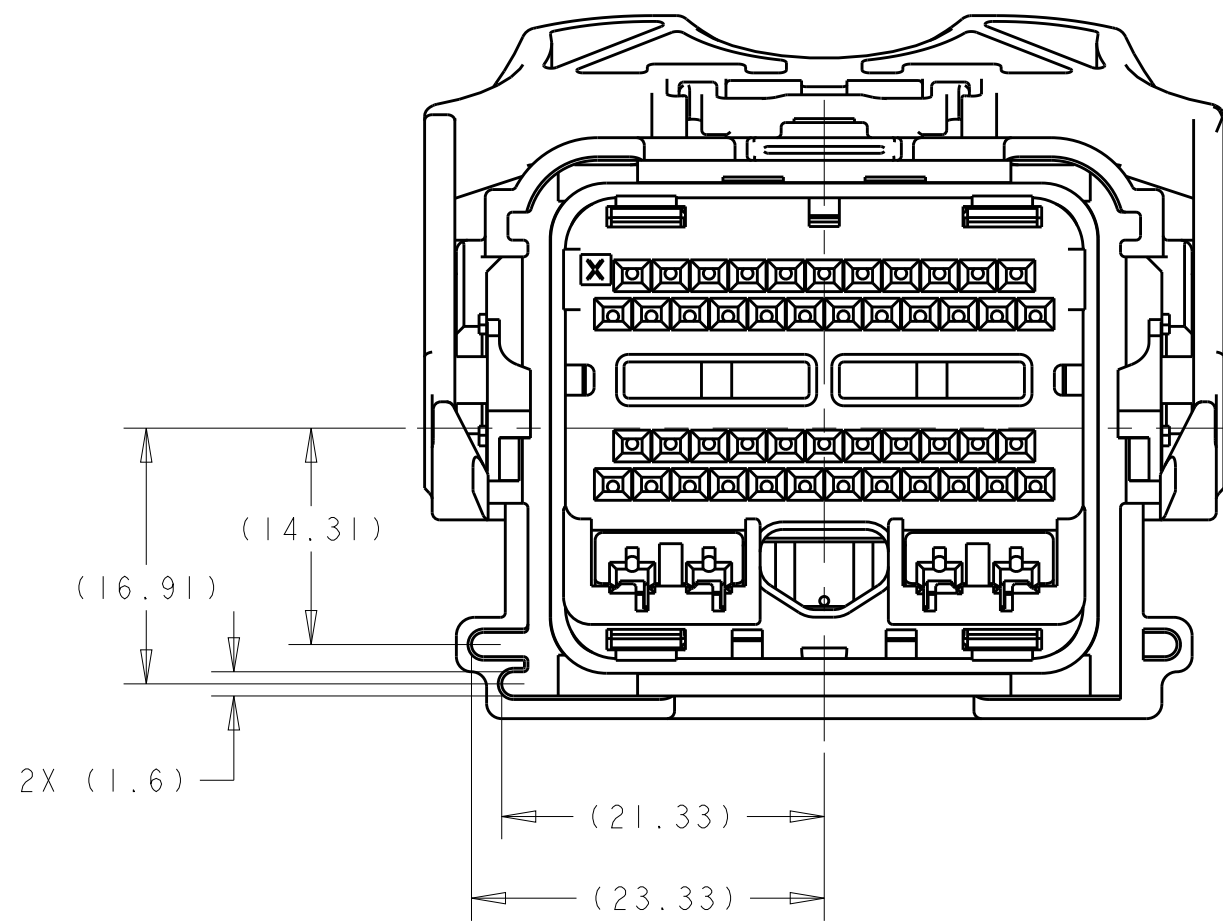
1438129-2  
KEYING OPTION "B"



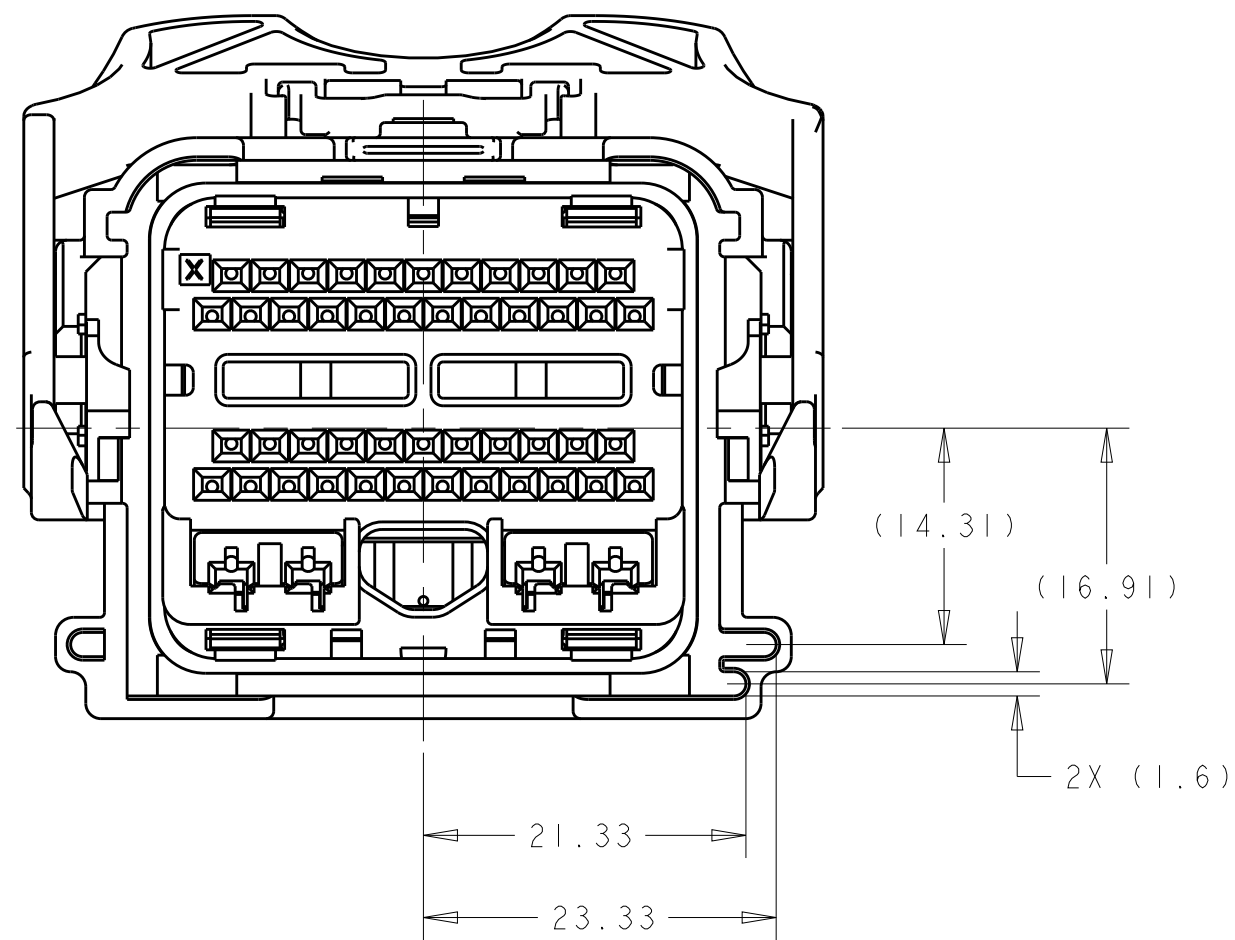
1438129-3  
KEYING OPTION "C"



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                           | C=1438129                            |                  |
| -                                      | -                                                                                      | CUSTOMER DRAWING                 | RESTRICTED TO                        |                  |
|                                        |                                                                                        |                                  | SCALE<br>2:1                         | SHEET<br>2 OF 10 |
|                                        |                                                                                        |                                  | REV<br>F35                           |                  |

|                                                                                       |  |                                                                          |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>R. VESTAL 15APR2005                                               |  |  TE Connectivity |  |
|                                                                                       |  | CMV<br>VALASEK 15APR2005                                                 |  |                                                                                                       |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES, UNLESS<br>OTHERWISE SPECIFIED:                               |  | NAME                                                                                                  |  |
|  |  | 0 PLC ±<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±1° |  | 50-WAY HARNESS ASSEMBLY,<br>PCM                                                                       |  |
|                                                                                       |  | APUR<br>VALASEK 15APR2005                                                |  | PRODUCT SPEC<br>-                                                                                     |  |
|                                                                                       |  | APPLICATION SPEC<br>-                                                    |  | SIZE CASE CODE DRAWING NO<br>A1 00779 C 1438129                                                       |  |
|                                                                                       |  | WEIGHT<br>-                                                              |  | RESTRICTED TO<br>-                                                                                    |  |
| MATERIAL<br>-                                                                         |  | CUSTOMER DRAWING<br>-                                                    |  | SCALE 1:1 SHEET 3 OF 10 REF 35                                                                        |  |

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

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  
1 PLC  
2 PLC  
3 PLC  
4 PLC  
ANGLES  
FINISH

±  
±0.3  
±0.10  
±  
±1°  
-

MATERIAL  
-

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC  
APPLICATION SPEC  
WEIGHT  
CUSTOMER DRAWING

DWN  
CHK  
T. VALASEK

15APR2005

NAME

50-WAY HARNESS ASSEMBLY, PCM

SIZE  
A1

CAGE CODE  
100779

DRAWING NO  
C=1438129

RESTRICTED TO  
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SCALE  
1:1

SHEET  
4

OF  
10

REV  
F35

TE Connectivity

50-WAY HARNESS ASSEMBLY, PCM



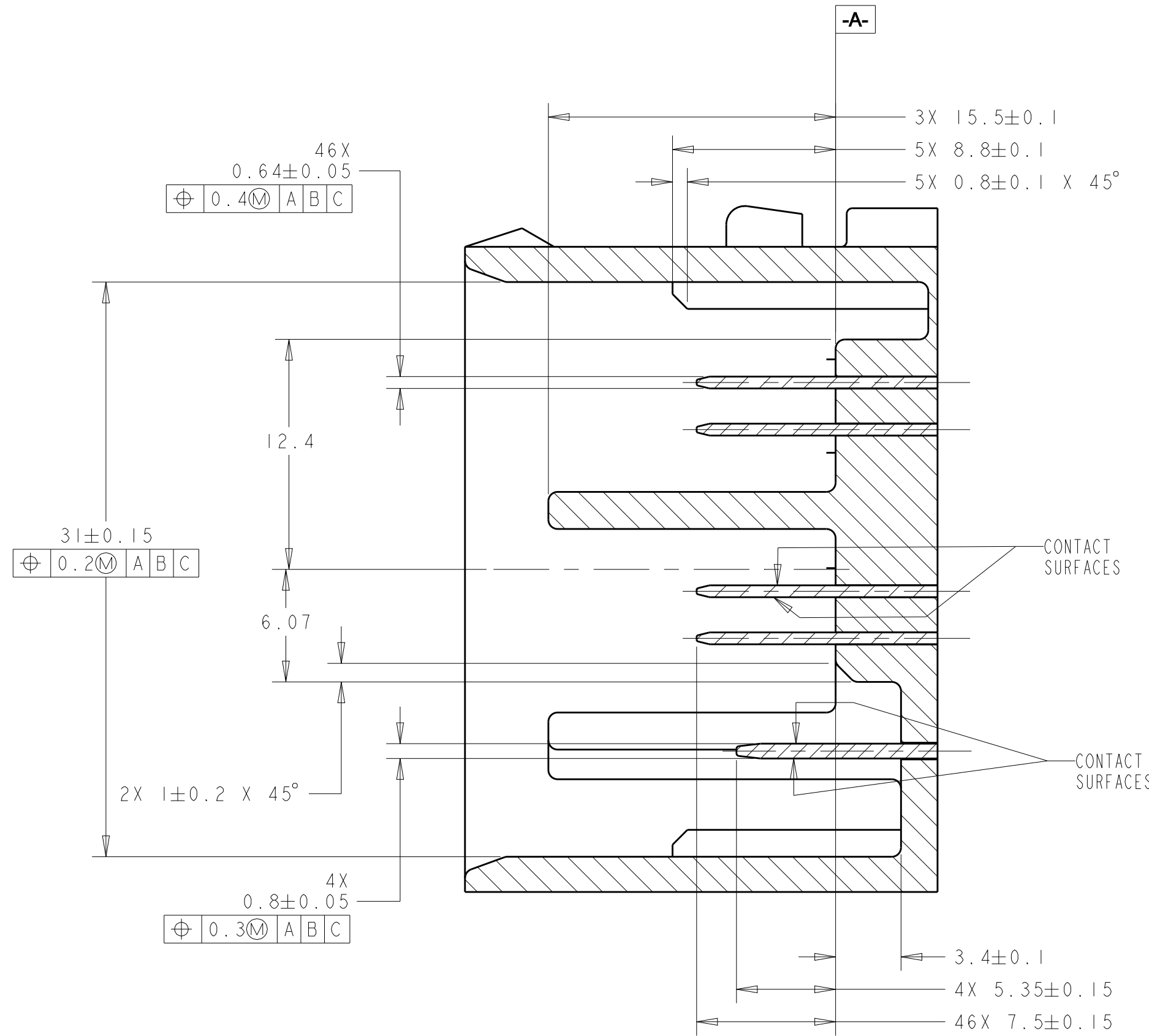
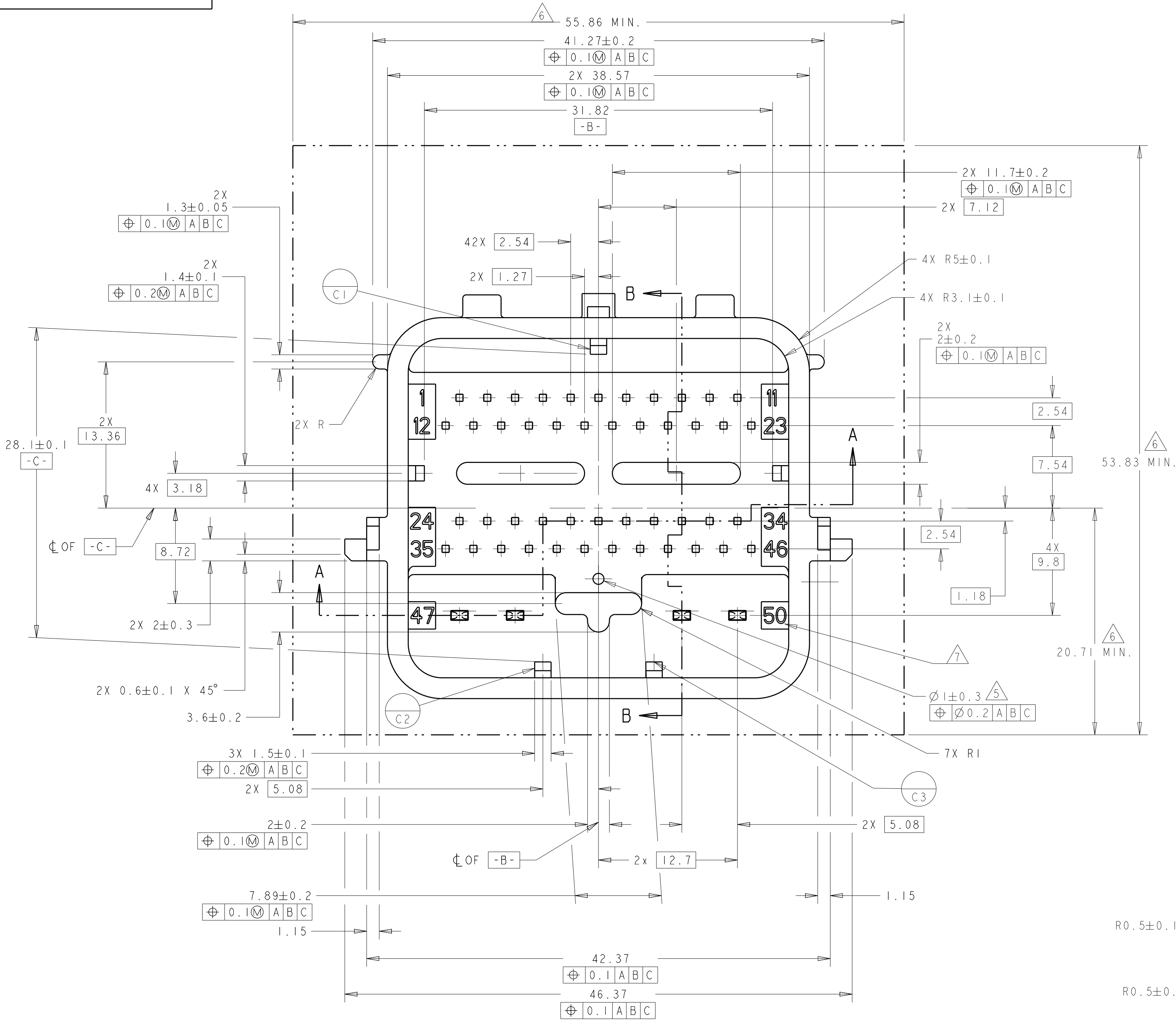
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| THIS DRAWING IS UNPUBLISHED. |   | RELEASED FOR PUBLICATION |   | 20                   |   |   |   |
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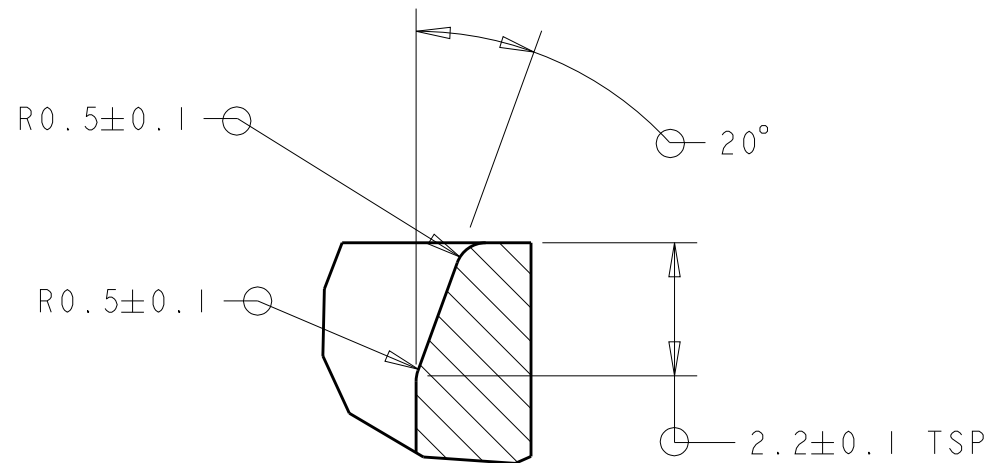




SCALE 2:1



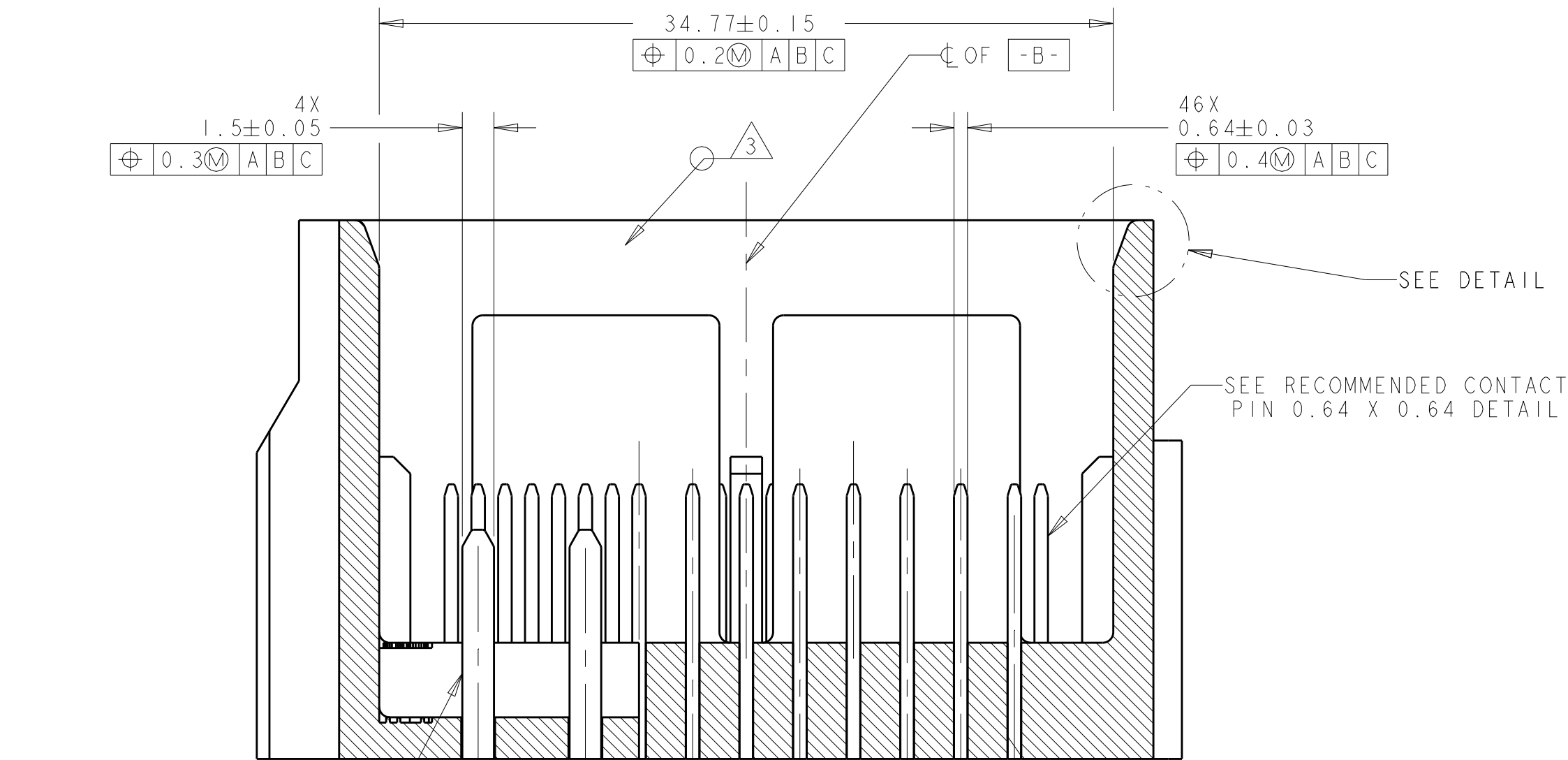
SECTION B-B



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 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 ±0.3                             | PRODUCT SPEC              | SIZE            | CAGE CODE DRAWING NO         |
|                                        | 1 PLC ±0.10                            | APPLICATION SPEC          | RESTRICTED TO   |                              |
|                                        | 2 PLC ±0.10                            |                           |                 |                              |
|                                        | 3 PLC ±0.10                            |                           |                 |                              |
| MATERIAL                               | FINISH                                 | WEIGHT                    | SCALE           | SHEET 9 OF 10                |
|                                        |                                        |                           | 1:1             | REV F35                      |
| CUSTOMER DRAWING                       |                                        | A100779C=1438129          |                 |                              |

HEADER INTERFACE KEYING OPTIONS

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| P         | LYR | DESCRIPTION | DATE | OWN APVD |
| -         | -   | SEE SHEET 1 | -    | -        |
|           |     |             |      |          |
|           |     |             |      |          |
|           |     |             |      |          |



|                                        |                                        |                           |                                             |  |
|----------------------------------------|----------------------------------------|---------------------------|---------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                        | OWN 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 ±0.3                             | PRODUCT SPEC              | SIZE CAGE CODE DRAWING NO. A100779C=1438129 |  |
|                                        | 1 PLC ±0.10                            | APPLICATION SPEC          |                                             |  |
| MATERIAL                               | 2 PLC ±0.10                            | WEIGHT                    | RESTRICTED TO                               |  |
|                                        | 3 PLC ±0.10                            | CUSTOMER DRAWING          |                                             |  |
|                                        | 4 PLC ±0.10                            |                           | SCALE 1:1 SHEET 10 OF 10                    |  |
|                                        | ANGLES FINISH                          |                           | REV F35                                     |  |

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