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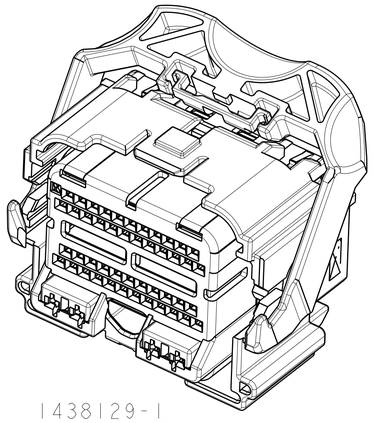
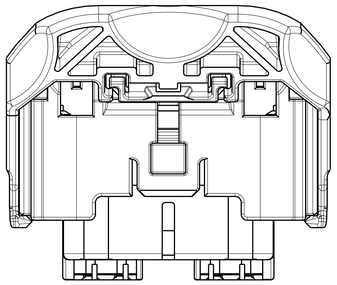
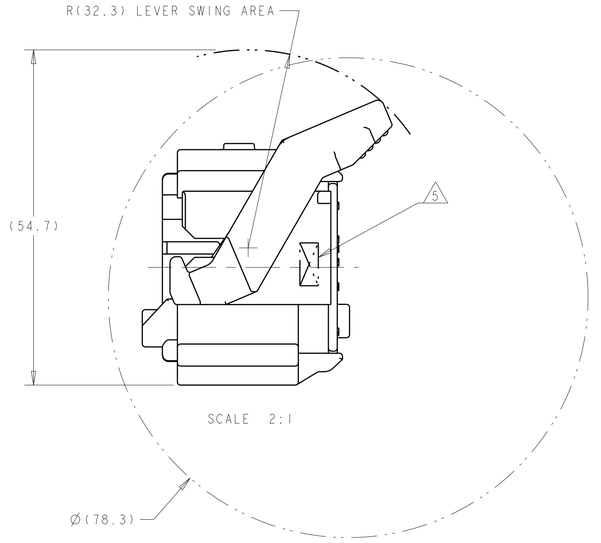
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | F31 | REVISED PER ECO-15-012265 | 24AUG2015 | DLD | DCM |
| | F32 | REVISED PER ECO-16-003418 | 08MAR2016 | DLD | DCM |

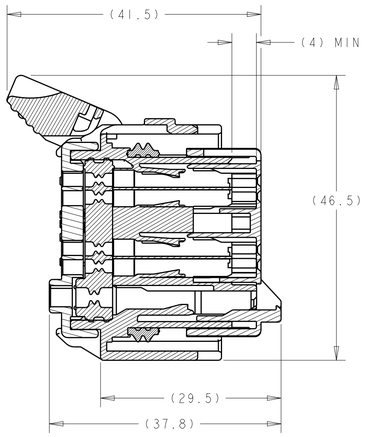


1438129-1
SHOWN WITH SPACER
IN SEATED POSITION

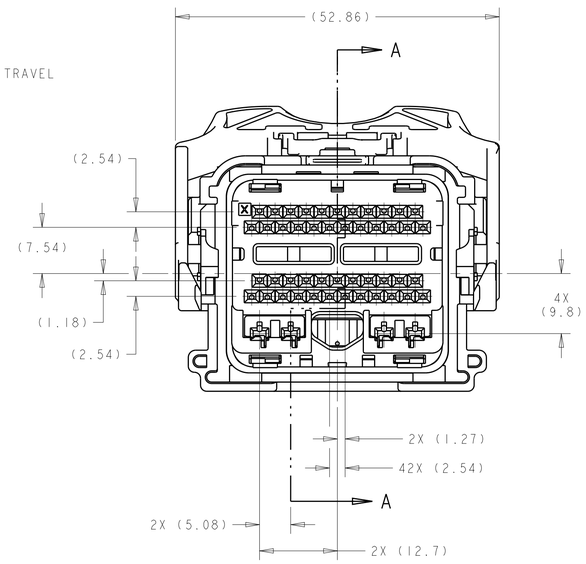


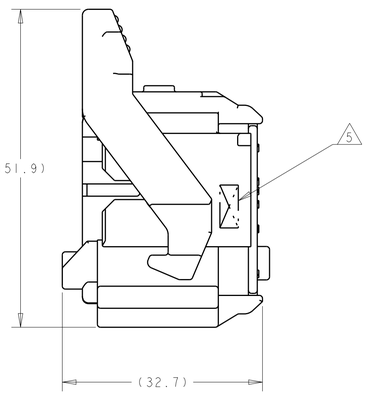



MIN. FEED THRU
CONDITION WITH 1mm
CLEARANCE ALL AROUND
SHOWN WITH SPACER IN SEATED POSITION

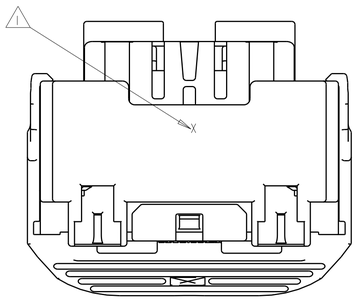



SECTION A-A
SPACER AND LEVER IN
PRE-SEATED POSITION
(DELIVERY CONDITION)



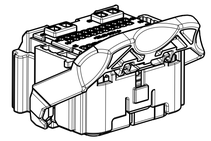




SHOWN WITH CAM
LEVER AND SPACER
IN LOADED POSITION




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

1. PRINT PART NUMBER (5S4T-14A464-L*-***, 5S4T-14A464-M*-***, 5S4T-14A464-N*-***) AND TRACEBILITY (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$^2$
3. CAM LEVER AND SPACER ARE SHIPPED IN THEIR PRE-ASSEMBLED POSITIONS.
4. REFERENCE TE CONNECTIVITY INSTRUCTION SHEET 408-8893.
5. COMPANY LOGO.



SCALE 1:1

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

SEE TABLES
SHEETS 3 THRU 7

PART NUMBER

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | DWN R. VESTAL 15APR2005 | TE Connectivity | |
| DIMENSIONS: mm | CHK T. VALASEK 15APR2005 | NAME PCM 50-WAY HARNESS ASSEMBLY | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±- 4 PLC ±- ANGLES ±1° | APVD T. VALASEK 15APR2005 | | |
| MATERIAL - - | PRODUCT SPEC - | SIZE A1 CAGE CODE 00779 DRAWING NO C-1438129 | RESTRICTED TO - |
| FINISH - - | APPLICATION SPEC - | | |
| | WEIGHT - | CUSTOMER DRAWING | SCALE 1:1 SHEET 1 OF 10 REV F32 |

4805 (3/13)

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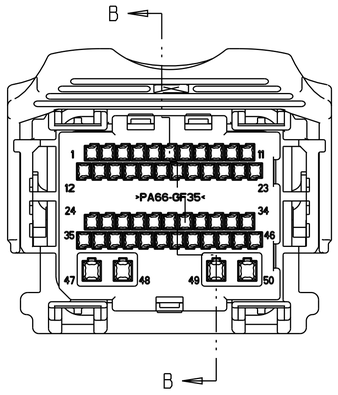
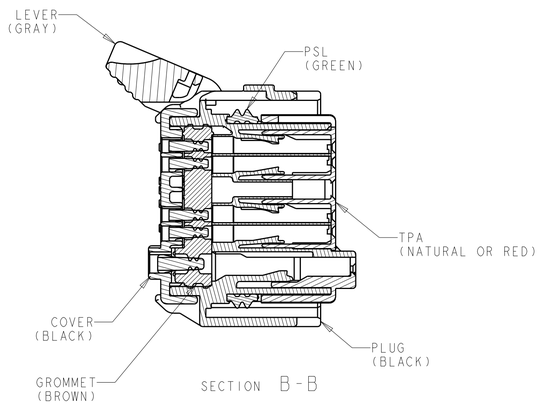
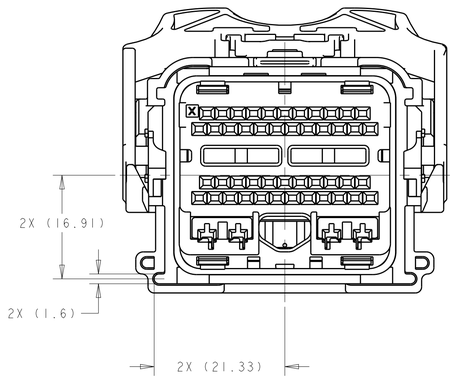
REVISIONS

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

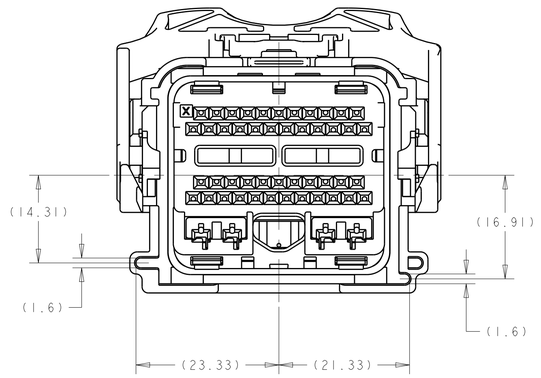


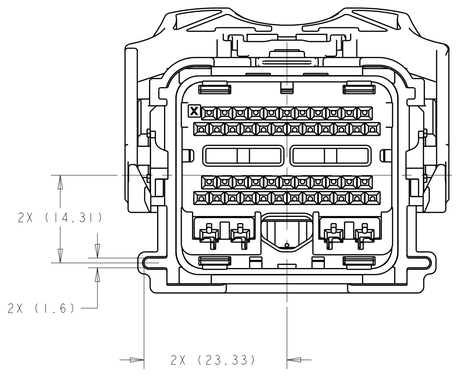

SECTION B-B



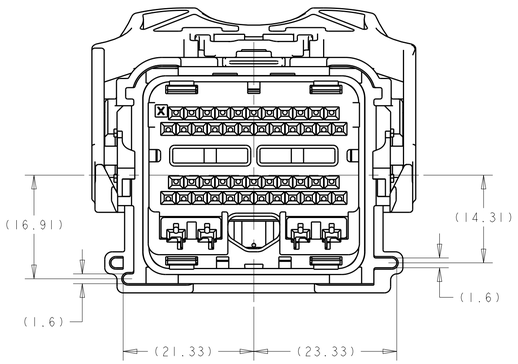

1438129-1
KEYING OPTION "A"



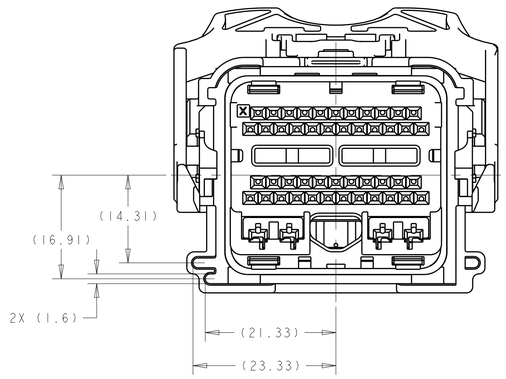

1438129-2
KEYING OPTION "B"



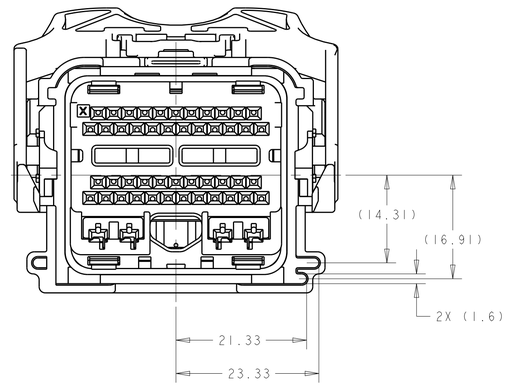

1438129-3
KEYING OPTION "C"




1438129-4
KEYING OPTION "D"




1438129-5
KEYING OPTION "E"




1438129-6
KEYING OPTION "F"

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.3
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±1°

MATERIAL -
FINISH -

DWN R. VESTAL 15APR2005
CHK T. VALASEK 15APR2005
APVD T. VALASEK 15APR2005
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME PCM 50-WAY HARNESS ASSEMBLY

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-1438129 | - |

CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 10 | REV F32

4805 (3/13)

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REVISIONS

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

KEYING OPTION A

| | | |

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

KEYING OPTION B

| | | | | |

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REVISIONS

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

KEYING OPTION B

| | | |

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

KEYING OPTION C

| | | | | |

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REVISIONS

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

KEYING OPTION C

| | | |

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REVISIONS

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

KEYING OPTION C

| TERMINAL HOLE POSITION | 7-1924783-0 | 5S4T-14A464-NA-132 |
|---|---|---|
| 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 | | |
| BLANK CAVITIES INDICATES OPEN TERMINAL HOLE LOCATIONS | | |
| | 39 38 37 36 28 26 25 23 20 11 10 8 6 5 | |
| CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS | | |

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

ASSEMBLY PART NUMBER

FORD PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.3
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±1°

MATERIAL -
-

FINISH -
-

DWN R. VESTAL 15APR2005
CHK T. VALASEK 15APR2005
APVD T. VALASEK 15APR2005

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME PCM 50-WAY HARNESS ASSEMBLY

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-1438129 | - |

CUSTOMER DRAWING

SCALE 1:1 SHEET 8 OF 10 REV F32

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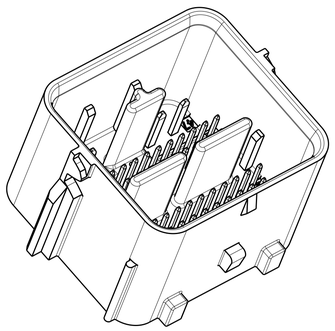
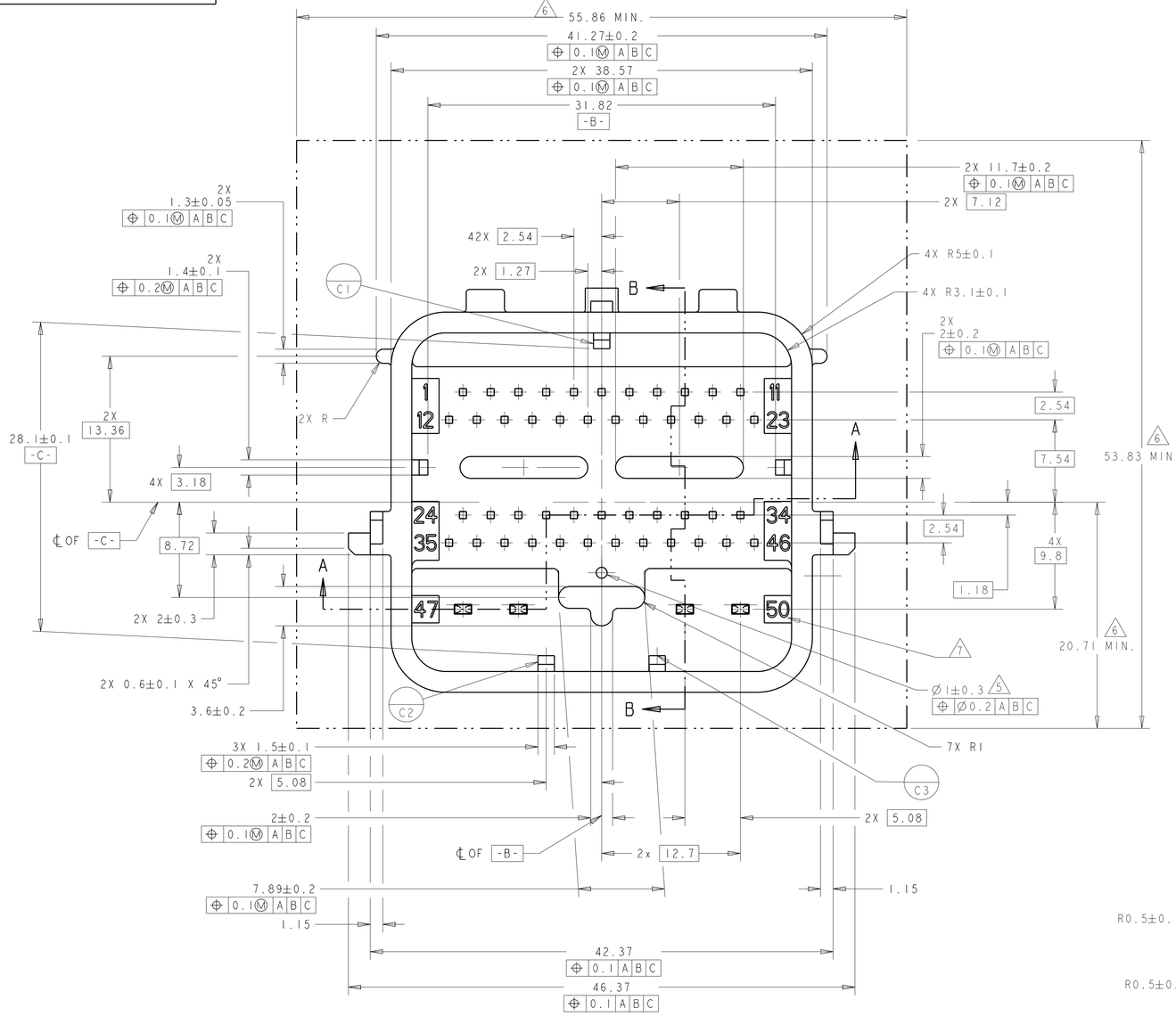
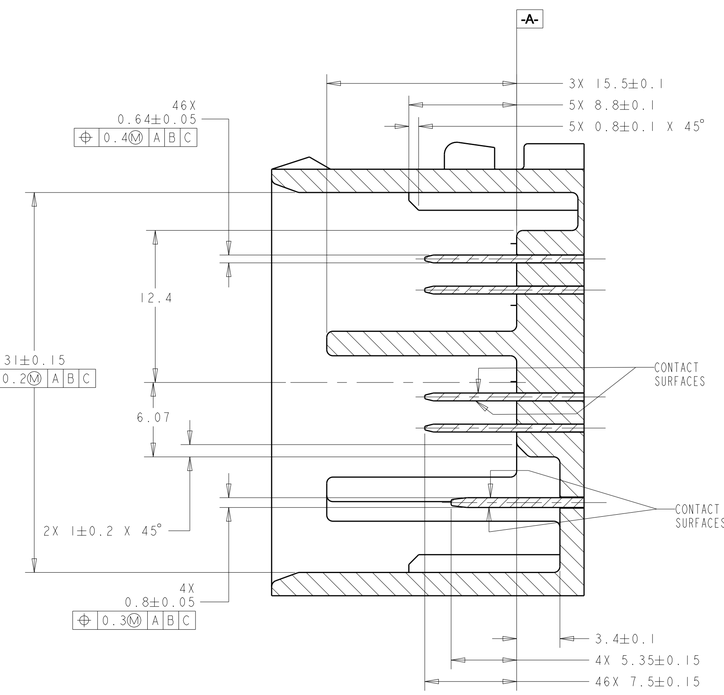
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | - | SEE SHEET 1 | - | - | - |

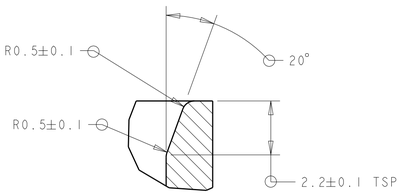


SCALE 2:1

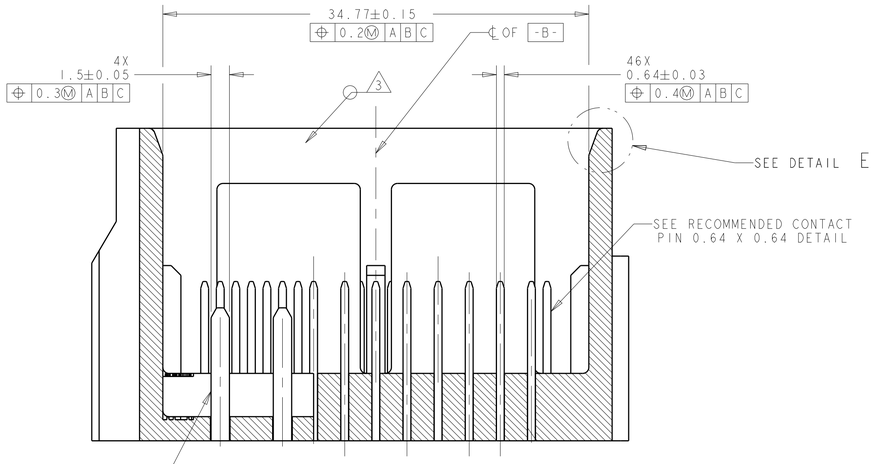



SECTION B-B




DETAIL E
SCALE 8:1




SECTION A-A

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 OR 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 NUMBERS 1438129-* & 1438950-*

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.3
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±1°

MATERIAL -
FINISH -

| | | |
|---|---|---|
| DWN | R. VESTAL | 15APR2005 |
| CHK | T. VALASEK | 15APR2005 |
| APVD | T. VALASEK | 15APR2005 |
| PRODUCT SPEC | - | |
| APPLICATION SPEC | - | |
| WEIGHT | - | |

TE Connectivity

NAME PCM 50-WAY HARNESS ASSEMBLY

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-1438129 | - |

CUSTOMER DRAWING | SCALE 1:1 | SHEET 9 OF 10 | REV F32

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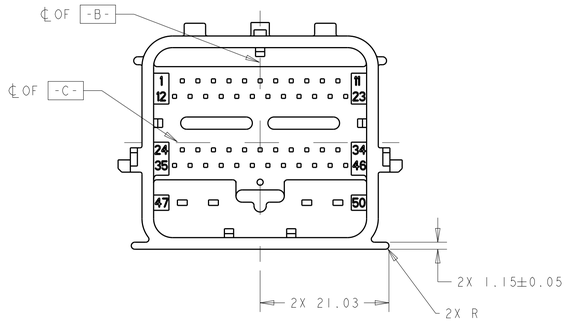
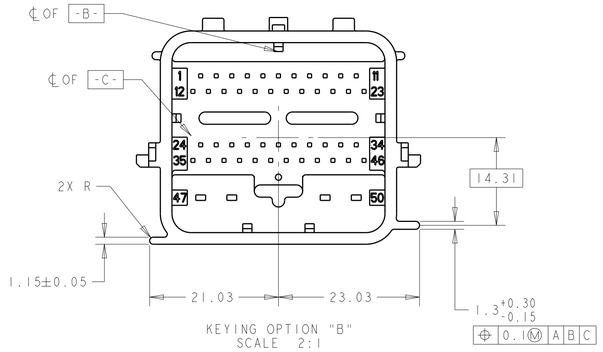
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | - | SEE SHEET 1 | - | - | - |

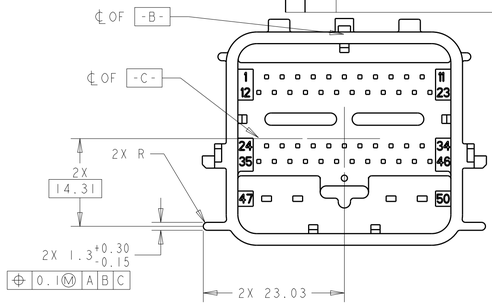
# HEADER INTERFACE KEYING OPTIONS



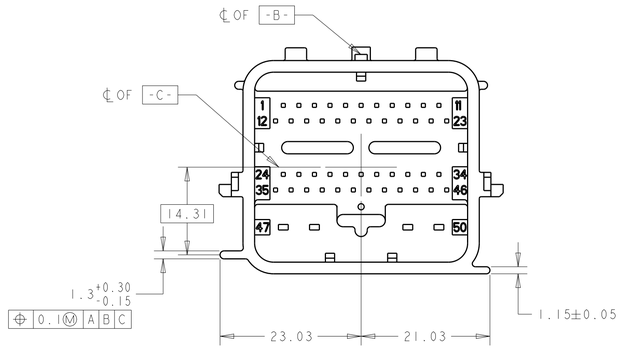

KEYING OPTION "A"
SCALE 2:1



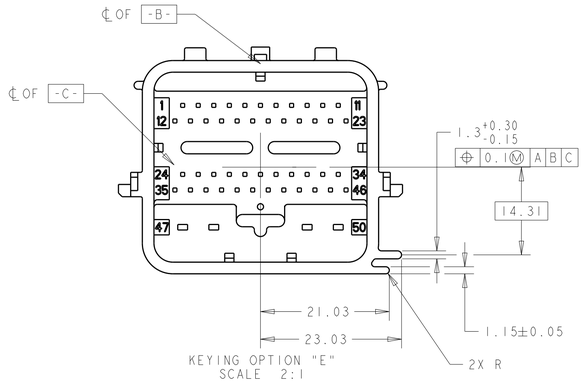

KEYING OPTION "B"
SCALE 2:1



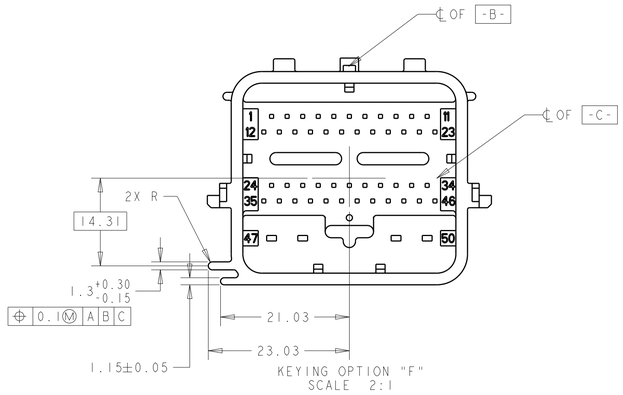

KEYING OPTION "C"
SCALE 2:1



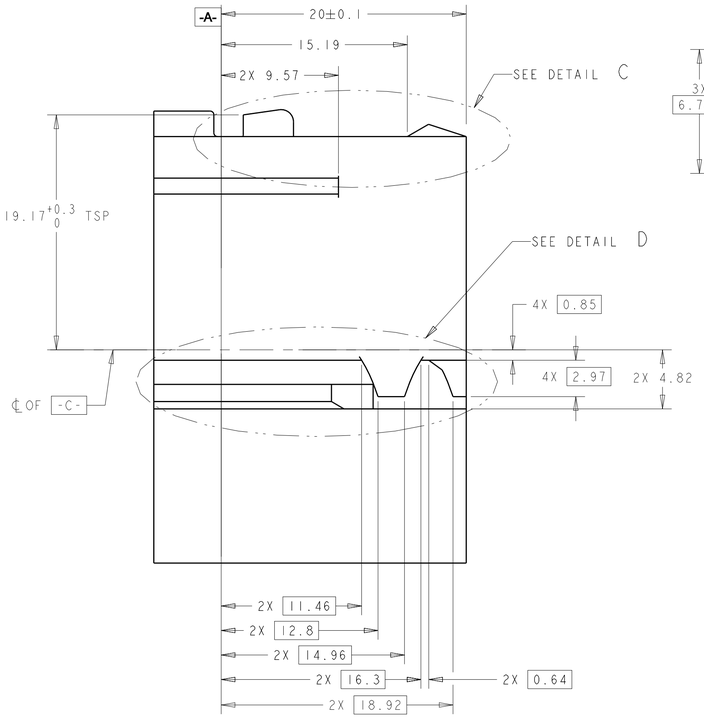

KEYING OPTION "D"
SCALE 2:1

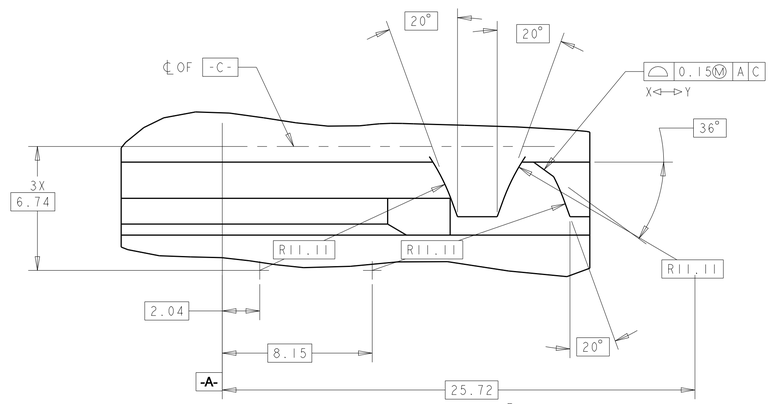



KEYING OPTION "E"
SCALE 2:1

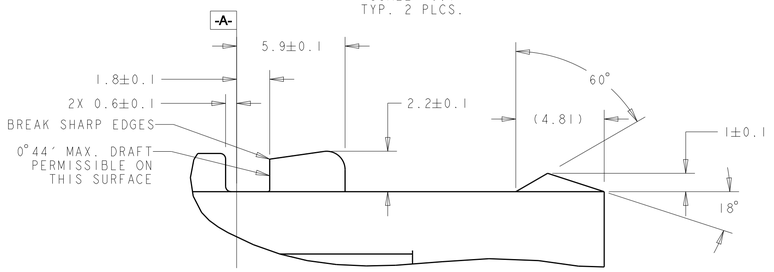



KEYING OPTION "F"
SCALE 2:1

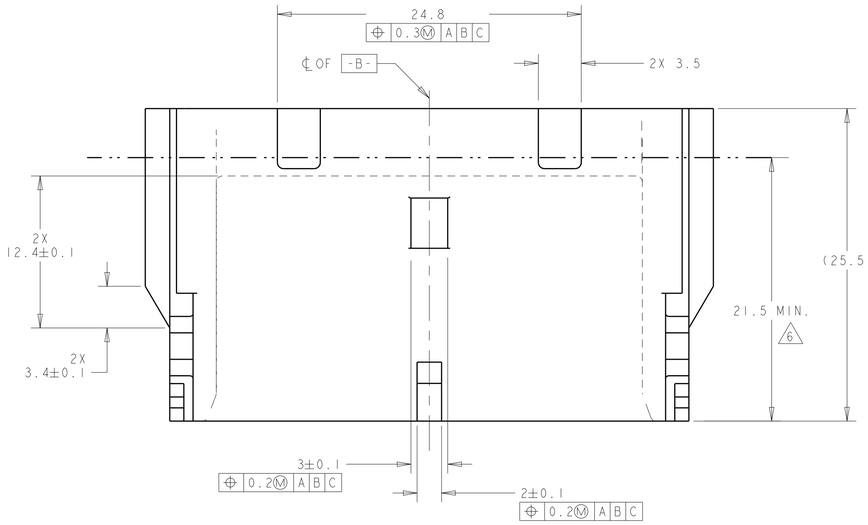



DETAIL D
SCALE 6:1
TYP. 2 PLCS.




DETAIL C
SCALE 6:1




| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | DWN R. VESTAL 15APR2005 | TE Connectivity | |
| DIMENSIONS: mm | CHK T. VALASEK 15APR2005 | NAME PCM 50-WAY HARNESS ASSEMBLY | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±- 4 PLC ±- ANGLES ±1° | APVD T. VALASEK 15APR2005 | PRODUCT SPEC - | |
| | | APPLICATION SPEC - | SIZE A1 / CAGE CODE 00779 / DRAWING NO C-1438129 / RESTRICTED TO - |
| MATERIAL - - | FINISH - - | WEIGHT - | |
| | | CUSTOMER DRAWING | SCALE 1:1 / SHEET 10 OF 10 / REV F32 |