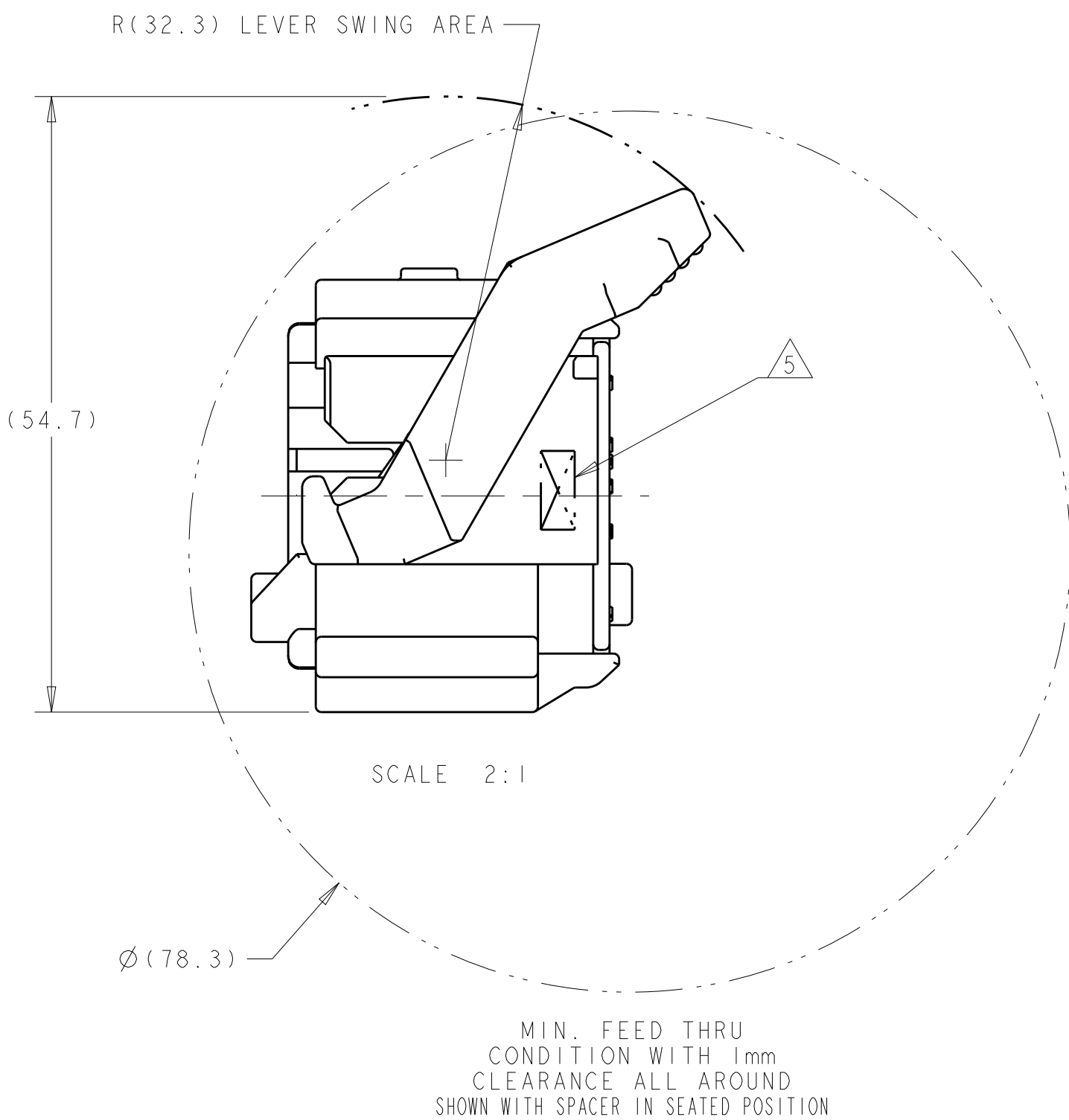


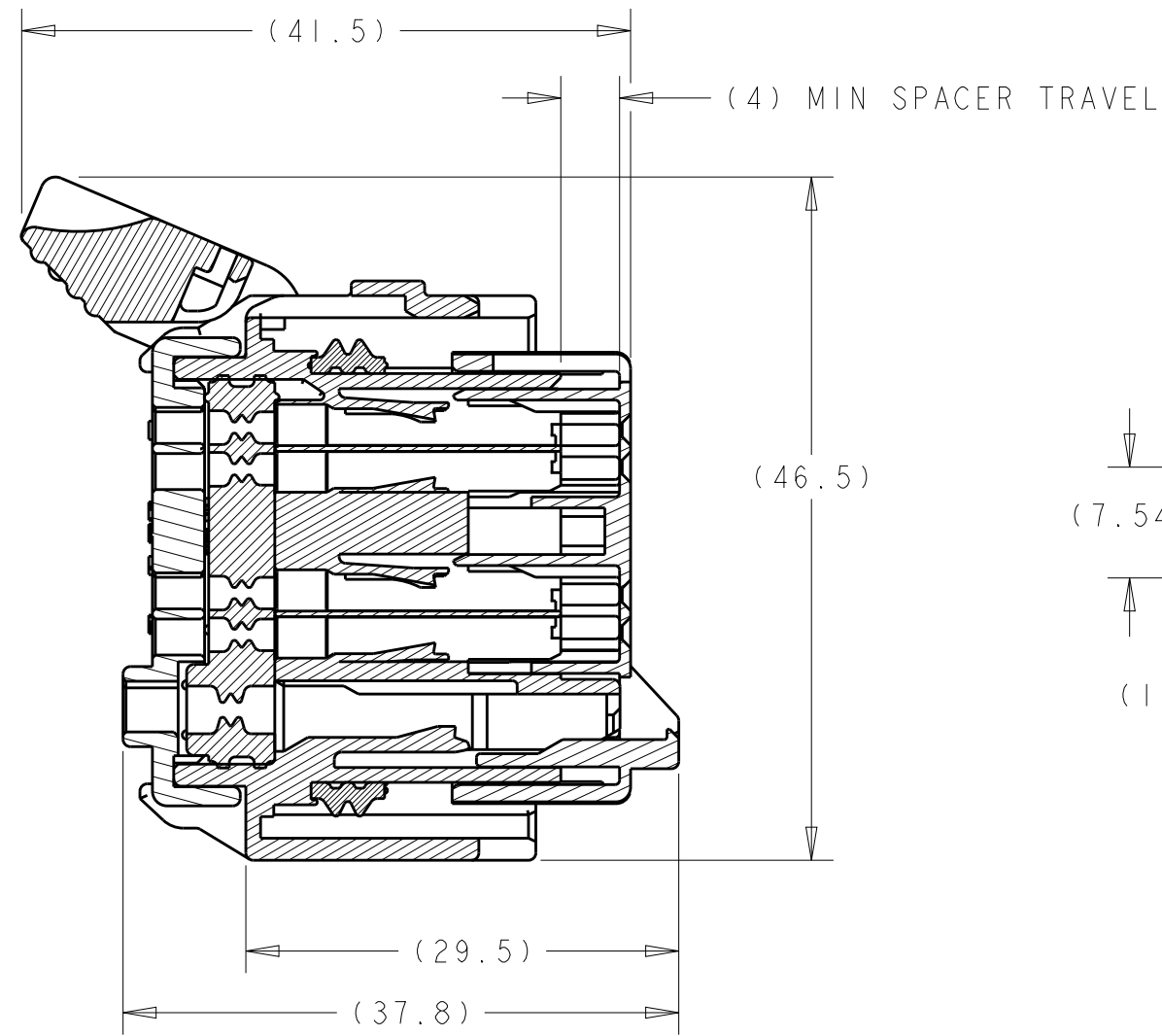


1438129-1
SHOWN WITH SPACER
IN SEATED POSITION

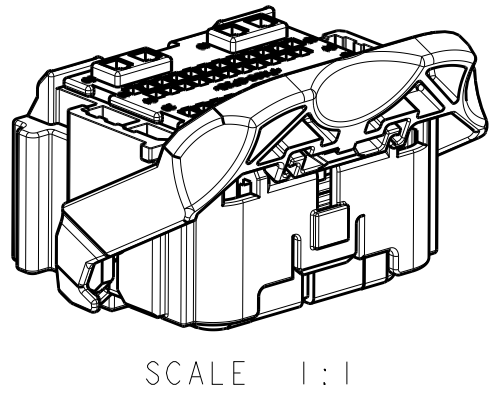
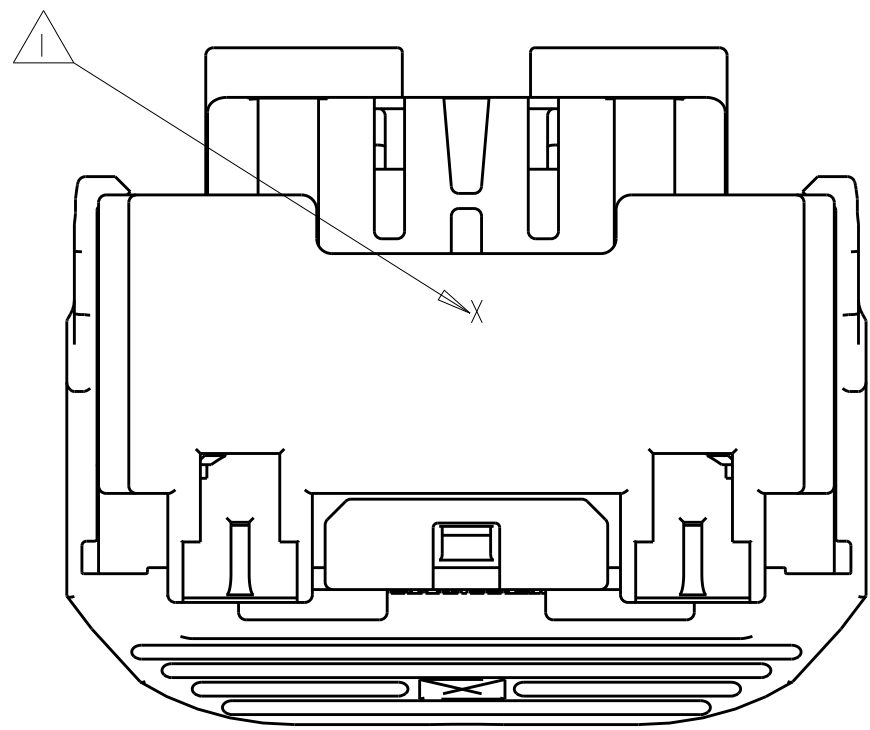
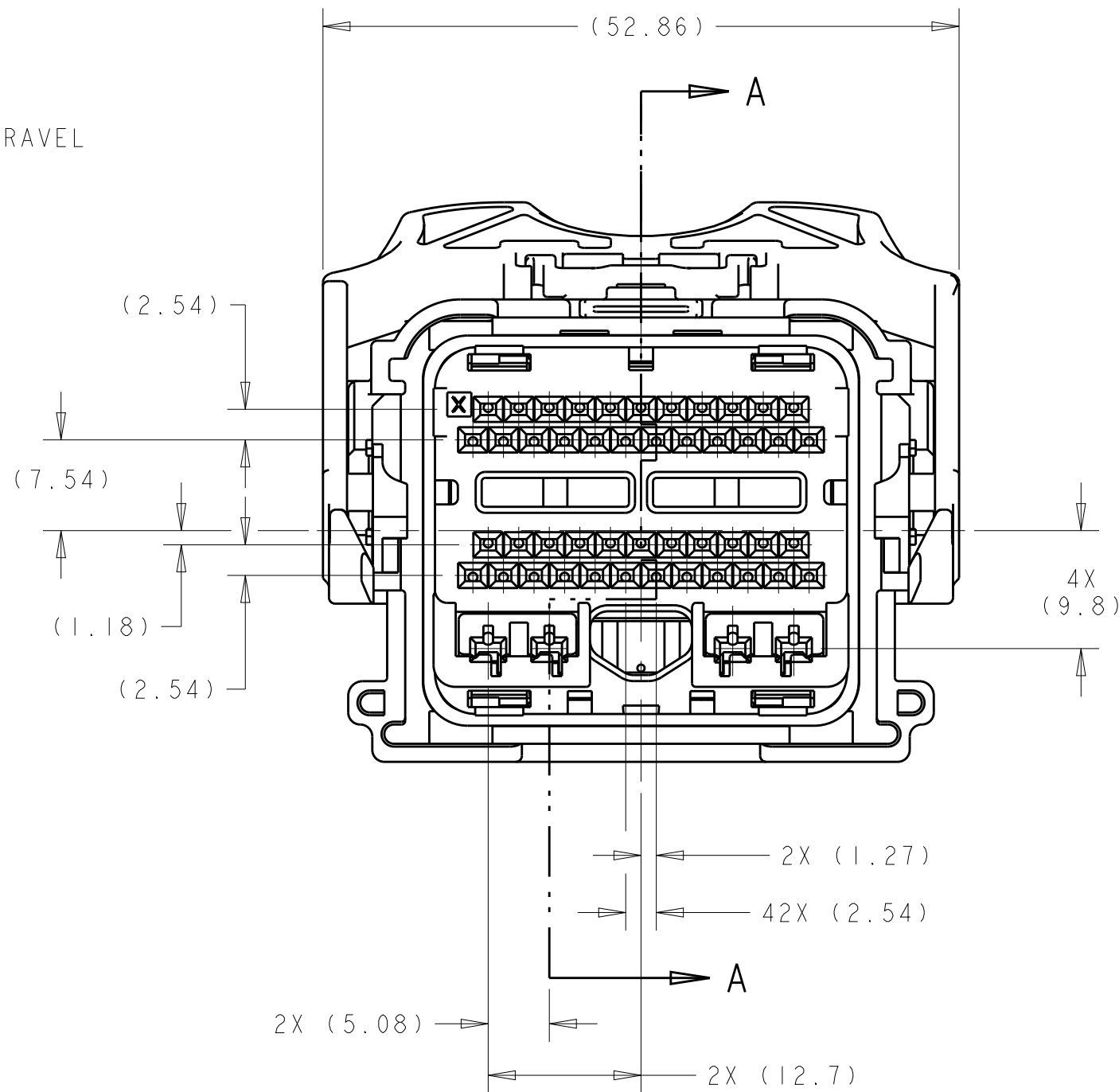


REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
F32		REVISED PER ECO-16-003418	08MAR2016	DLD	DCM
F33		REVISED PER ECO-16-018427	25JAN2017	DLD	DCM
F34		REVISED PER ECO-17-007768	30MAY2017	DLD	DCM
F35		REVISED PER ECO-17-014872	24OCT2017	JMS	CM

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 0.50-1.50mm²
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 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
						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	NAME TE TE Connectivity 50-WAY HARNESS ASSEMBLY, PCM	SIZE A1	CAGE CODE 00779	DRAWING NO. 1438129	RESTRICTED TO -
DIMENSIONS:			CHK T. VALASEK	15APR2005					
TOLERANCES UNLESS OTHERWISE SPECIFIED:			APVD 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	-	-	-



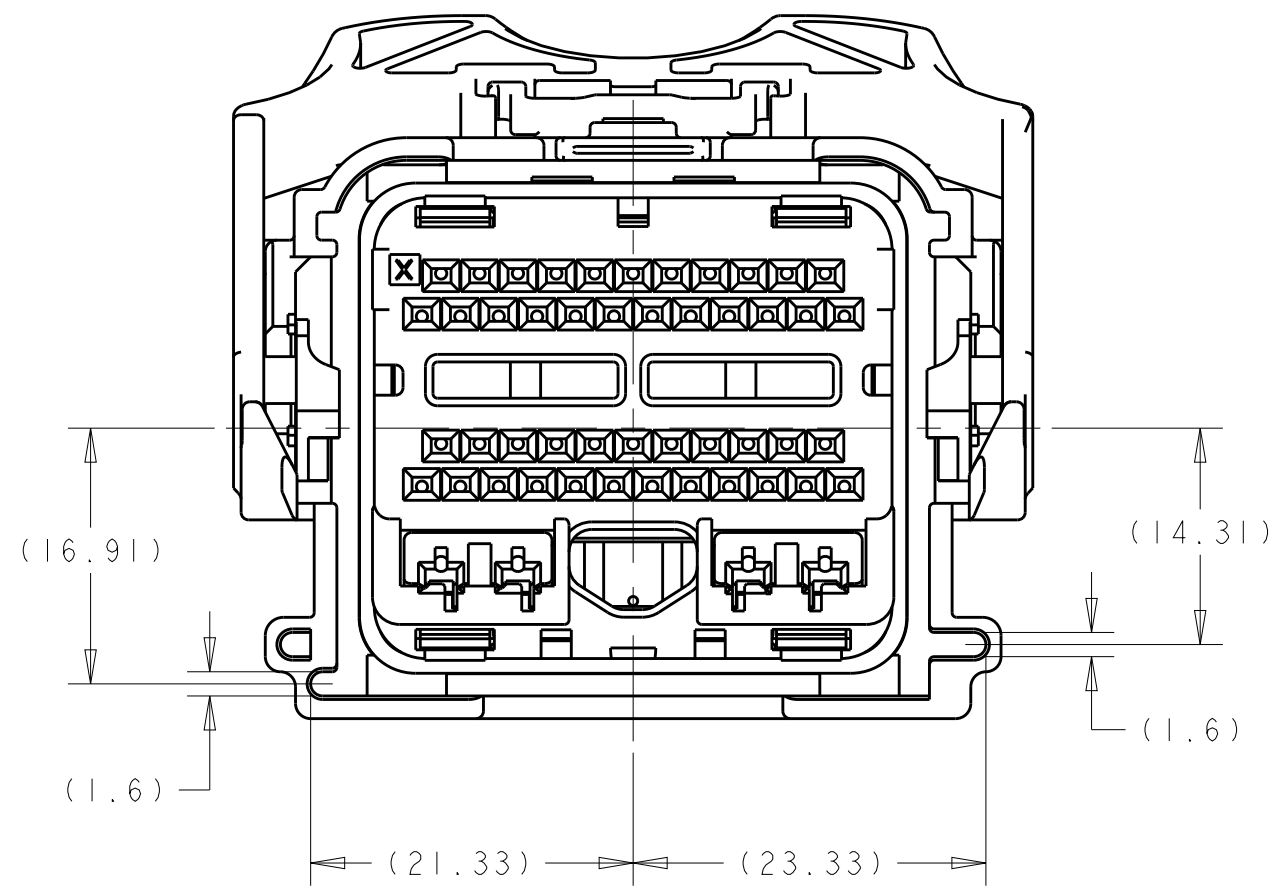
1438129-1
KEYING OPTION "A"



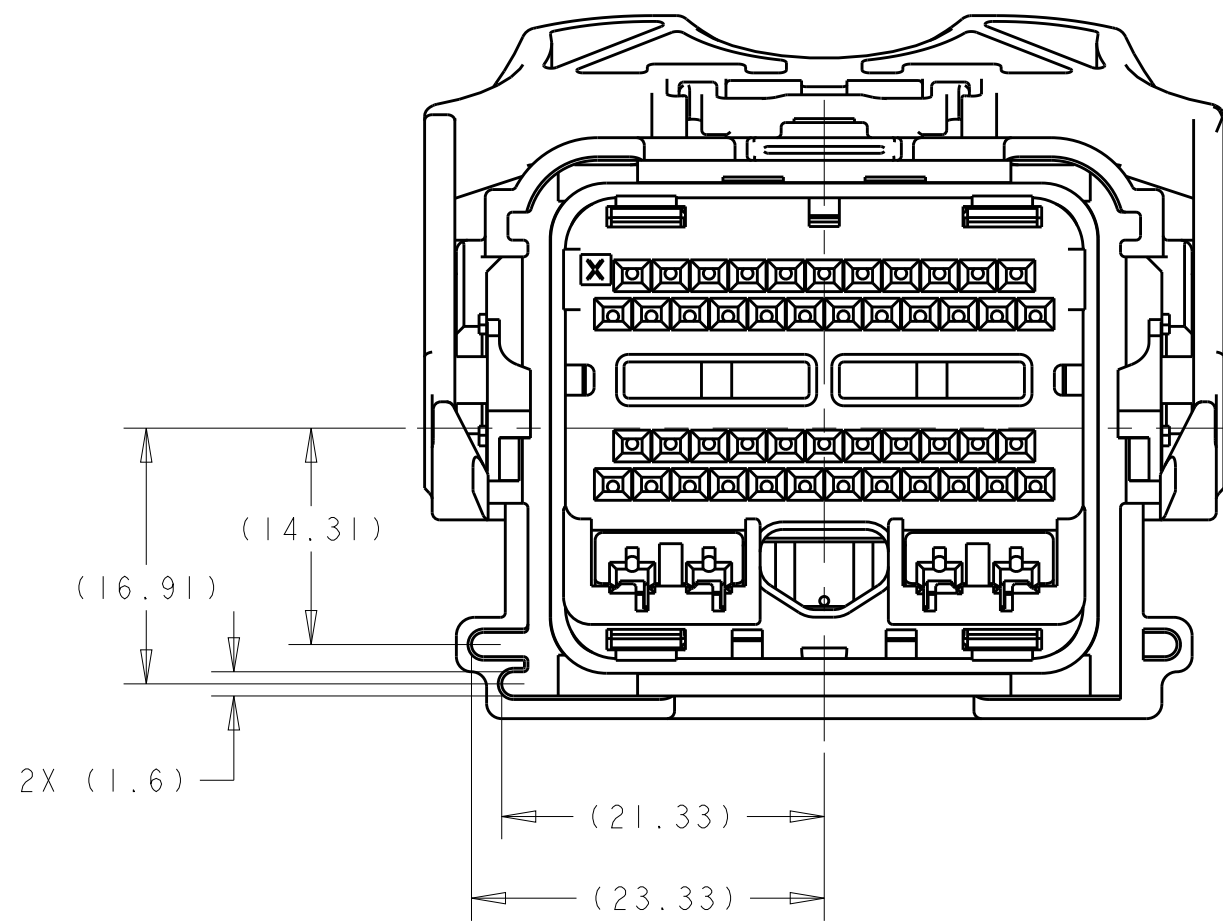
1438129-2
KEYING OPTION "B"



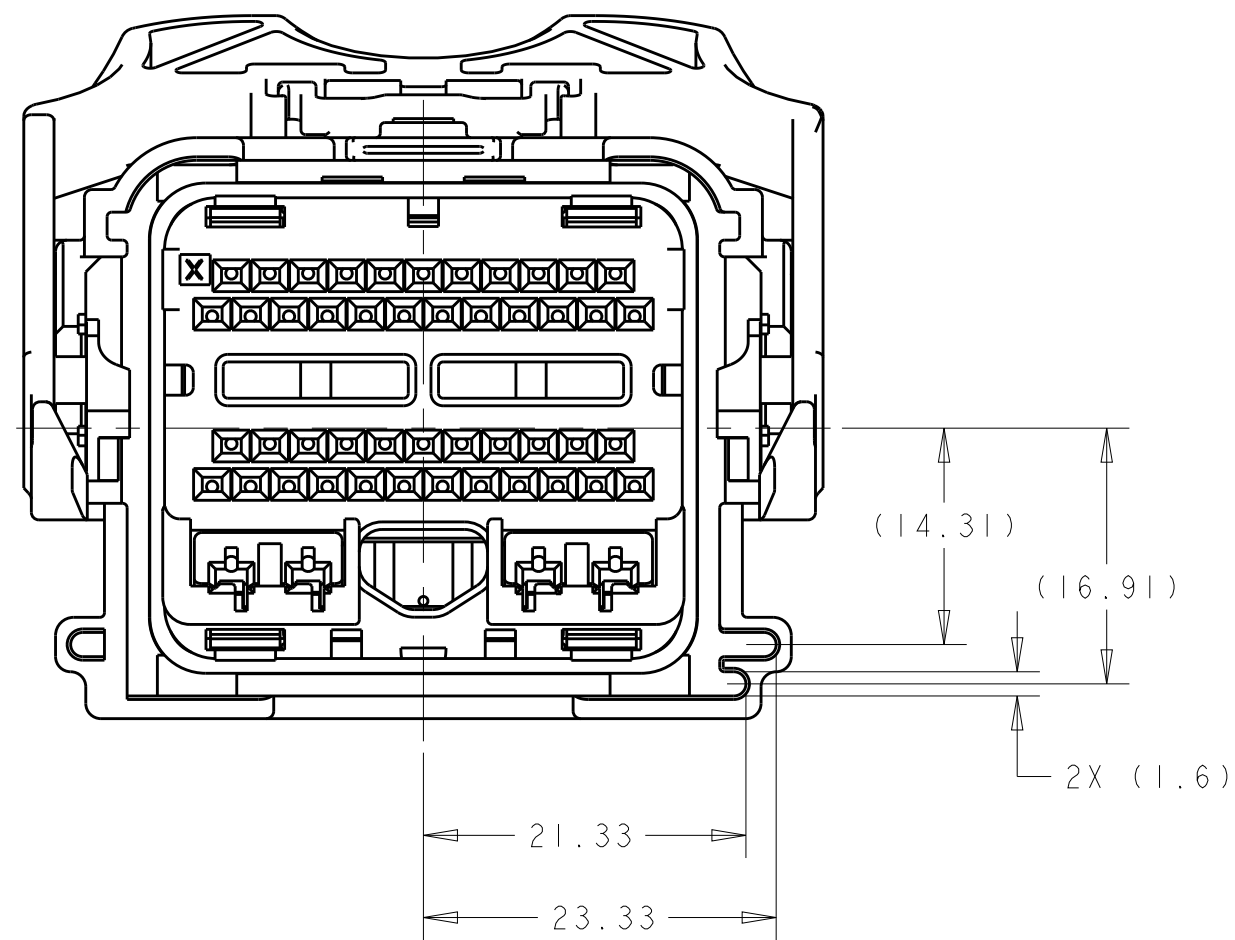
1438129-3
KEYING OPTION "C"



1438129-4
KEYING OPTION "D"



1438129-5
KEYING OPTION "E"



1438129-6
KEYING OPTION "F"

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 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 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±. 4 PLC ±. ANGLES ±1° FINISH	PRODUCT SPEC APPLICATION SPEC	SIZE A100779	
MATERIAL	-	WEIGHT	C=1438129	
-	-	CUSTOMER DRAWING	SCALE 2:1 SHEET 2 OF 10 REV F35	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. VESTAL 15APR2005		 TE Connectivity	
		CMV VALASEK 15APR2005			
DIMENSIONS: mm		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ± 1 PLC ±0.3 2 PLC ±0.10 3 PLC ± 4 PLC ± ANGLES ±1°		50-WAY HARNESS ASSEMBLY, PCM	
MATERIAL		PRODUCT SPEC		SIZE	
-		-		CASE CODE	
-		APPLICATION SPEC		DRAWING NO	
-		WEIGHT		A100779C-1438129	
-		CUSTOMER DRAWING		RESTRICTED TO	
-				SCALE 1:1	
-				SHEET 3 OF 10	
-				REF 35	

REVISIONS				
P	LYR	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

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
±
±
°

MATERIAL
-
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

±
±0.3
±0.10
±
±
°

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

NAME
50-WAY HARNESS ASSEMBLY,
PCM
-

SIZE
A1

CAGE CODE
100779

DRAWING NO
C=1438129

RESTRICTED TO
-

SCALE
1:1

SHEET
4

OF
10

REV
F35

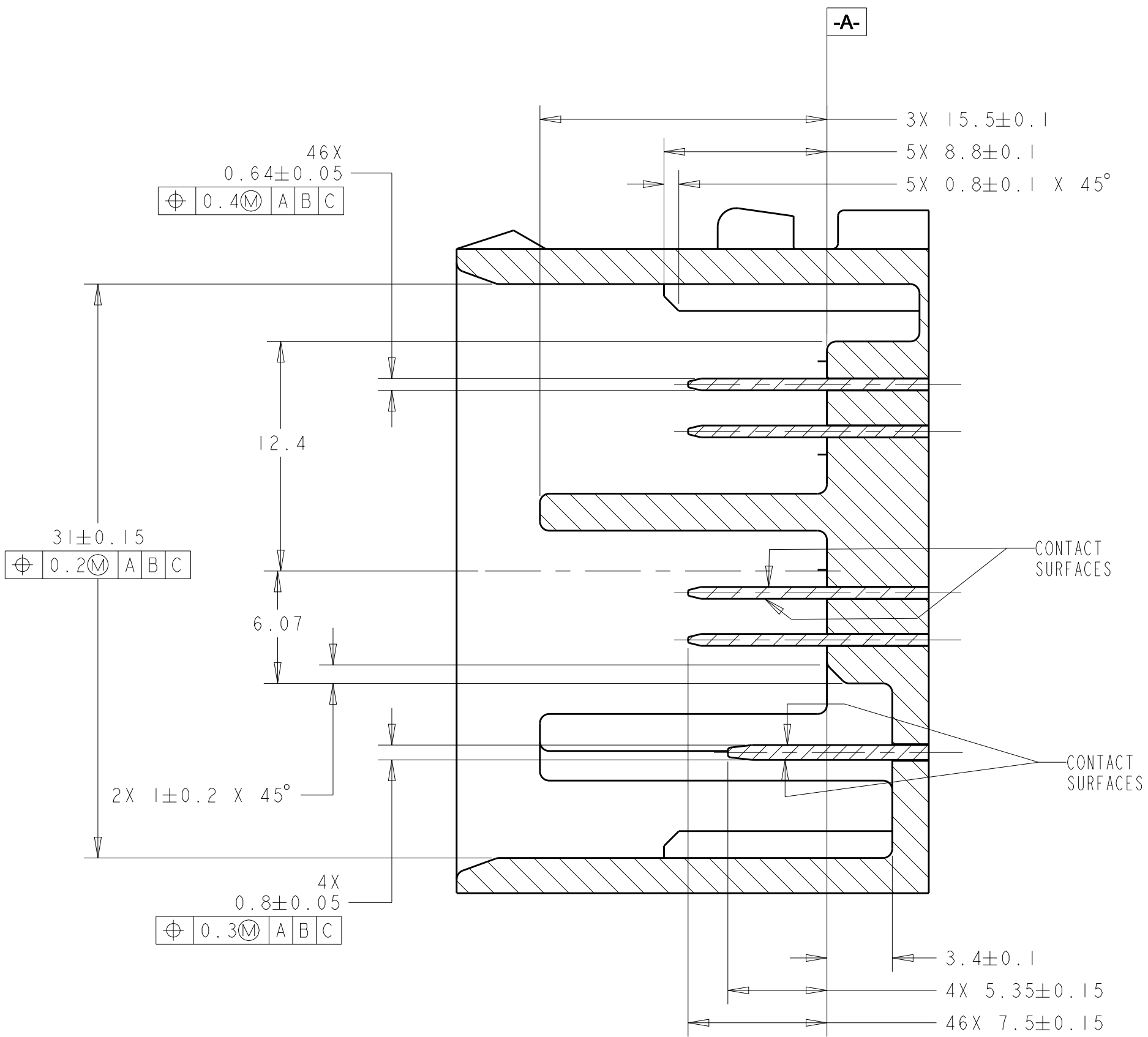
TE Connectivity

50-WAY HARNESS ASSEMBLY,
PCM
-

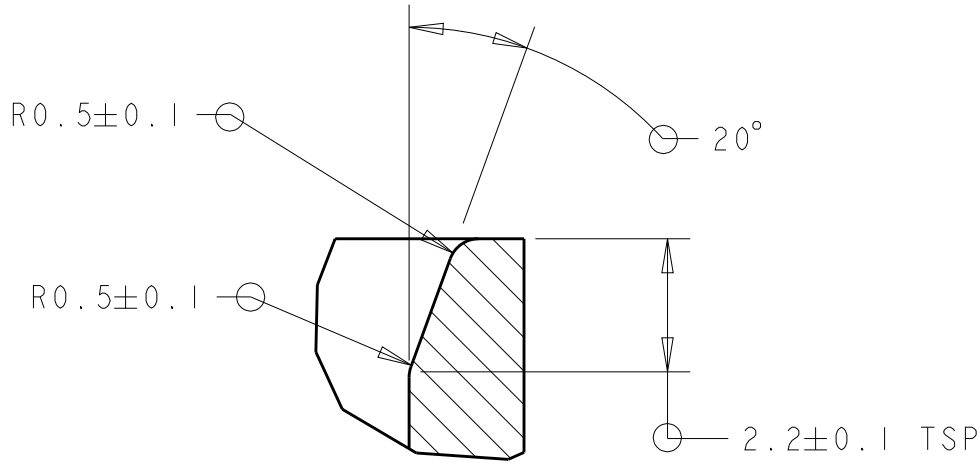
8	7	6	5	4	3	2	1
THIS DRAWING IS UNPUBLISHED.		RELEASED FOR PUBLICATION		20			
COPYRIGHT 20		BY -		ALL RIGHTS RESERVED.			



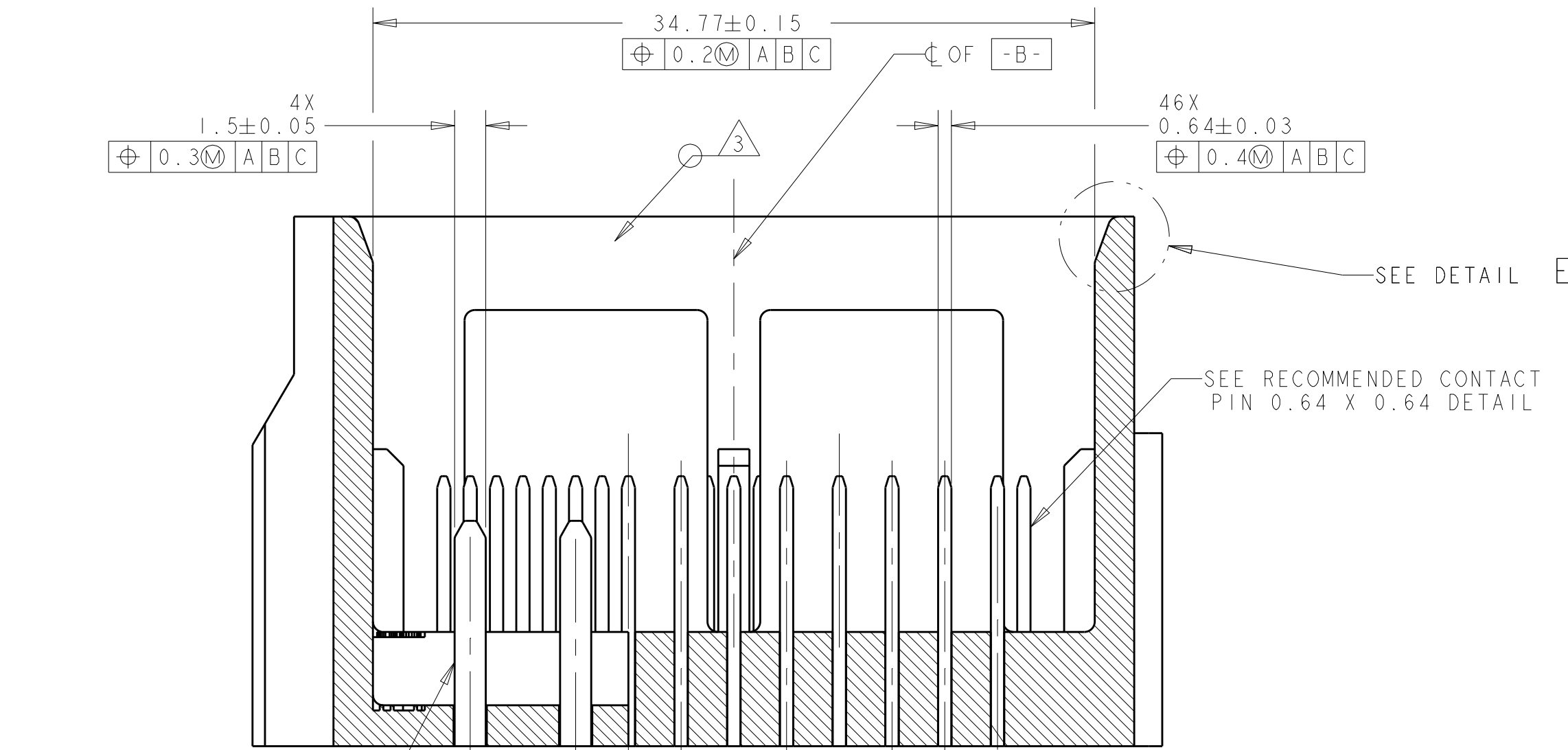
SCALE 2:1



SECTION B-B



DETAIL E
SCALE 8:1

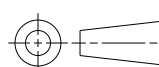


SECTION A-A

SEE RECOMMENDED CONTACT
PIN 0.8 X 1.5 DETAIL

- 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-#

REVISIONS				
P	LTR	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 ±.3	PRODUCT SPEC	SIZE	CAGE CODE DRAWING NO
	1 PLC ±0.10	APPLICATION SPEC	A100779	1438129
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING	RESTRICTED TO
-	-	-	SCALE 1:1	SHEET 9 OF 10

Technical drawing of the front view of a rectangular metal plate. The plate features a central rectangular cutout with a semi-circular bottom edge. The plate is marked with 50 numbered locations for mounting holes, arranged in a grid. Dimensions are indicated: a central width of 2×21.03 , a total width of $2 \times 1.15 \pm 0.05$, and a total height of $2 \times R$. Callouts point to specific features: ϕ OF -B- points to a top mounting hole, and ϕ OF -C- points to a side mounting hole.

Technical drawing of the rear view of a 24-pin D-sub connector. The drawing shows a rectangular housing with 24 pins arranged in two rows of 12. Pin numbers 12, 23, 24, 35, 34, 46, 47, and 50 are labeled. Dimensions include a total width of 21.03mm, a pin pitch of 2.54mm, and a mounting hole diameter of 1.15mm. A keyway is shown on the bottom edge. A table at the bottom right shows pin 1 is grounded, and pins 2, 3, and 4 are for signals A, B, and C respectively.

1	2	3	4
⊕	0.1	⊗	A B C

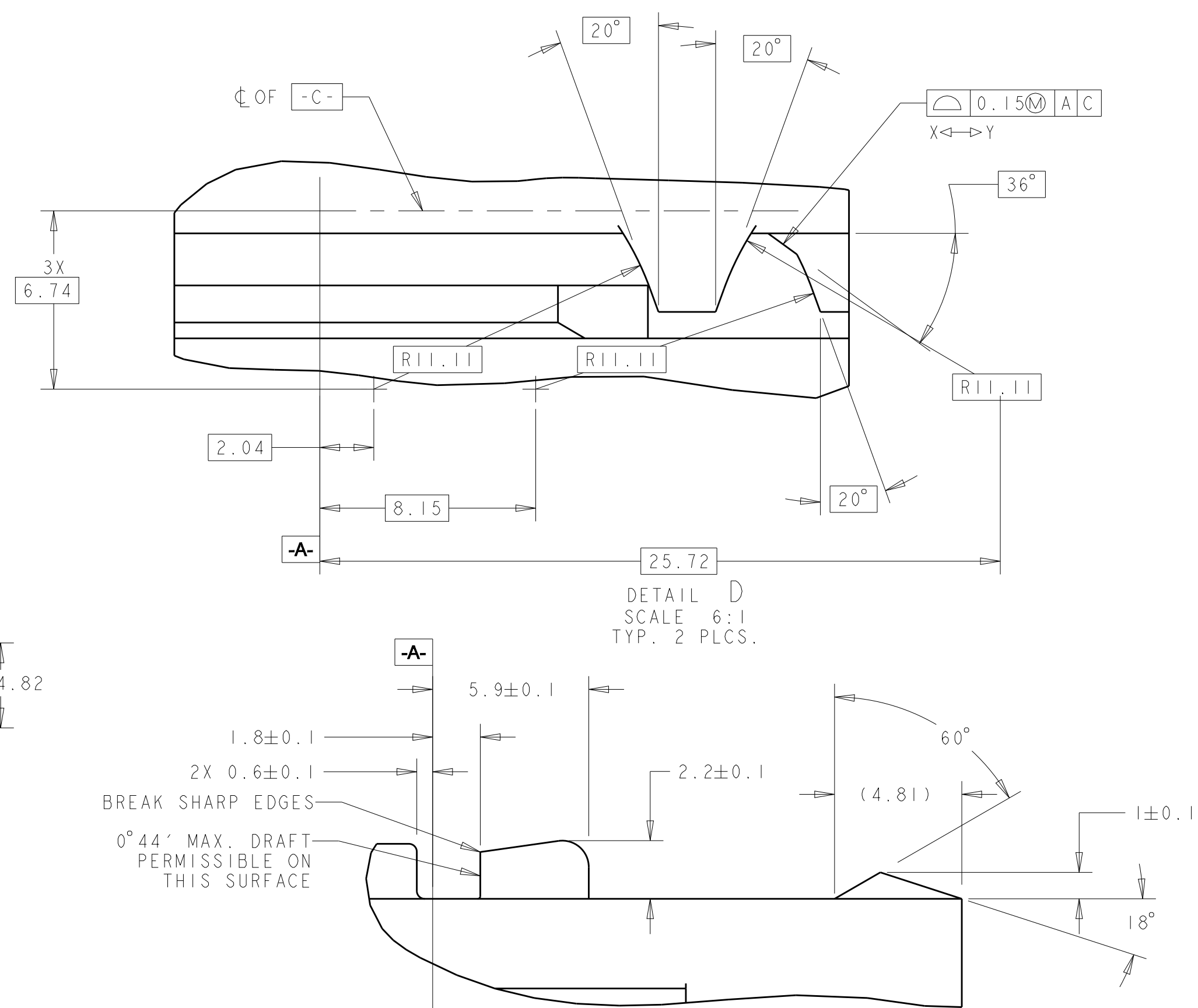
Technical drawing of the rear view of the 120-pin connector. The drawing shows the pin layout with numbers 1-60. Dimensions include 2X R for the top flange, 2X 1.3+0.30/-0.15 for the bottom flange, and 2X 23.03 for the pin pitch. Callouts -B- and -C- point to specific features.

Technical drawing of the front view of a 24-pin D-sub connector. The drawing shows a rectangular housing with 24 pins arranged in two rows of 12. The top row is labeled 1-12 and the bottom row is labeled 13-24. The drawing includes dimensions: 23.03 mm for the overall width, 21.03 mm for the width of the pin array, and 1.15 ± 0.05 mm for the pin pitch. A detail view of the pin is shown with dimensions 1.3 ± 0.30 mm for the pin length and 0.15 mm for the pin diameter. A keying option 'D' is indicated. The drawing is labeled 'SCALE 2:1'.

Technical drawing of the rear view of a 50-pin connector. The drawing shows a rectangular housing with 50 pins arranged in two rows of 25. Pin numbers 1 through 50 are labeled around the perimeter. Dimensions include a total width of 21.03, a pin pitch of 23.03, and a mounting hole diameter of 1.3 with a tolerance of +0.30/-0.15. A feature control frame indicates a circular runout tolerance of 0.10 M on the mounting holes. A note "KEYING OPTION "E" SCALE 2:1" is present at the bottom.

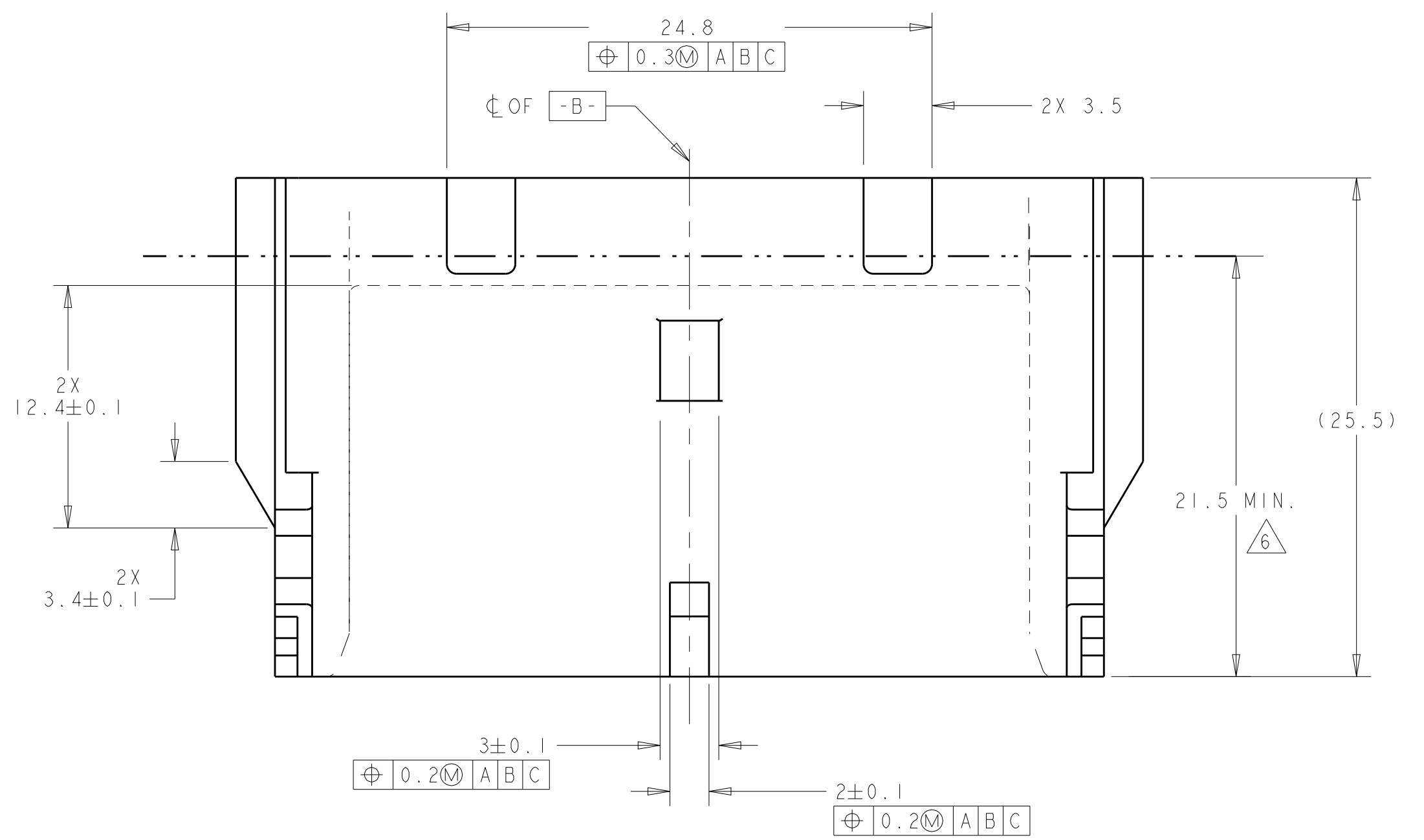
—SEE DETAIL C

— SEE DETAIL D



DETAIL D
SCALE 6:1
TYP. 2 PLCS.

DETAIL C
SCALE 6:1

4805 (3/13)

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