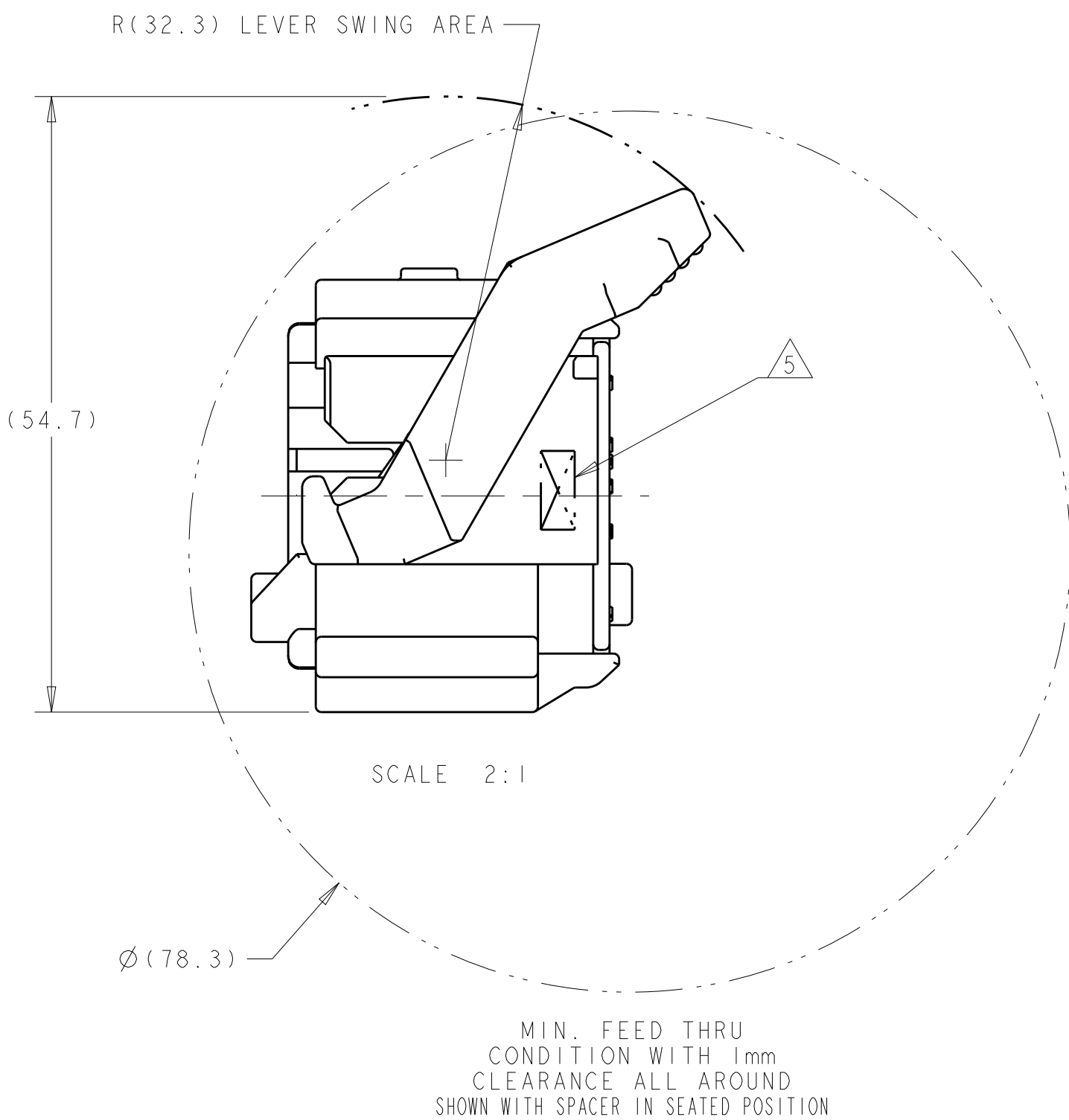


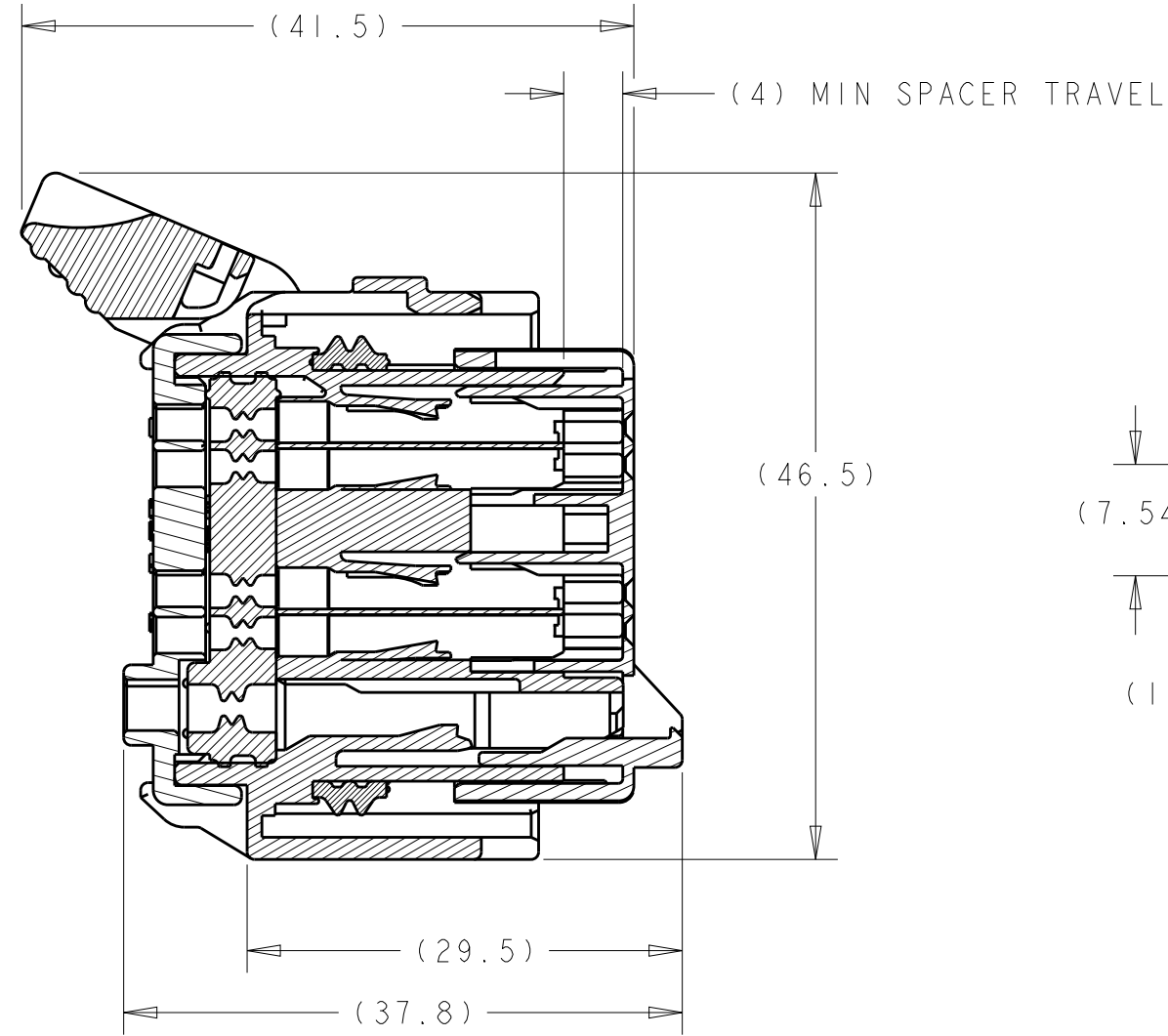


1438129-1
SHOWN WITH SPACER
IN SEATED POSITION

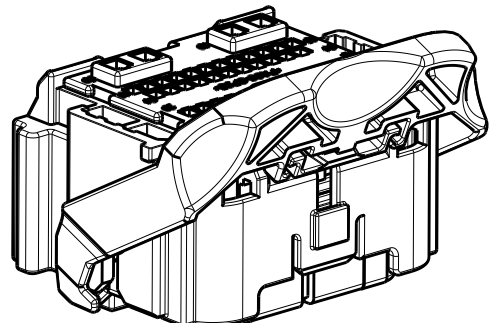
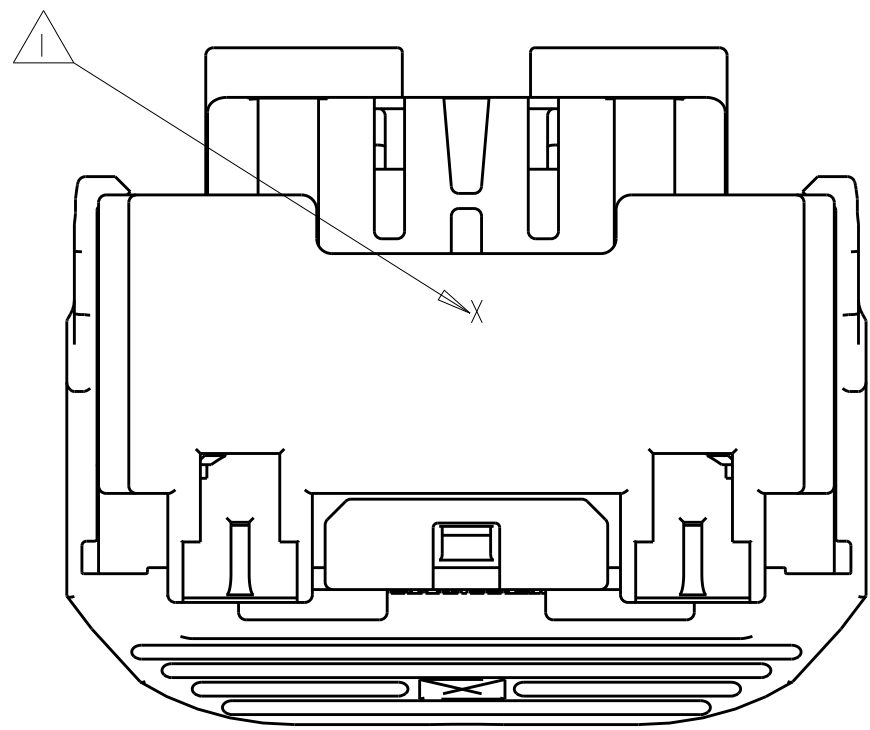
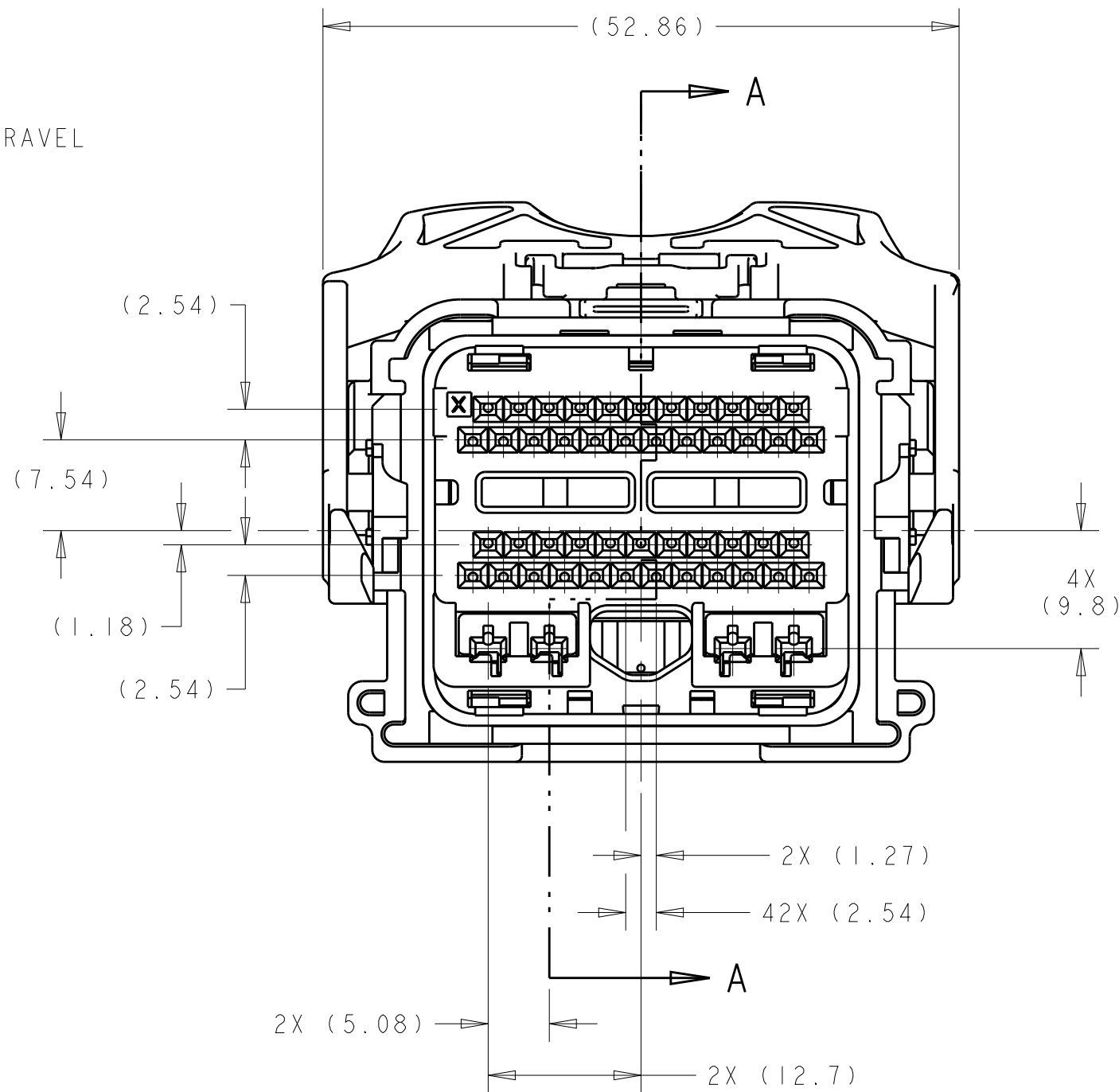


REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
F32		REVISED PER ECO-16-003418	08MAR2016	DLD	DCM
F33		REVISED PER ECO-16-018427	25JAN2017	DLD	DCM
F34		REVISED PER ECO-17-007768	30MAY2017	DLD	DCM
F35		REVISED PER ECO-17-014872	24OCT2017	JMS	CM

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.



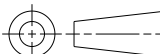
SECTION A-A
SPACER AND LEVER IN
PRE-SEATED POSITION
(DELIVERY CONDITION)



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		TE TE Connectivity						
			CHK T. VALASEK 15APR2005								
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 50-WAY HARNESS ASSEMBLY, PCM							
mm		APVD T. VALASEK 15APR2005									
		PRODUCT SPEC									
		APPLICATION SPEC									
		SIZE CAGE CODE DRAWING NO									
		RESTRICTED TO									
MATERIAL		FINISH		WEIGHT		A100779C=1438129		-			
-		-		CUSTOMER DRAWING		SCALE 1:1		SHEET 1 OF 10		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	RESTRICTED TO	
			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:		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME 50-WAY HARNESS ASSEMBLY, PCM	
mm					
		0 PLC ±		PRODUCT SPEC - APPLICATION SPEC -	
		1 PLC ±0.3			
		2 PLC ±0.10			
		4 PLC ±			
		4 PLC ±			
ANGLES		° ±		SIZE CASE CODE DRAWING NO A1 00779 C 1438129	
FINISH				RESTRICTED TO	
MATERIAL				WEIGHT -	
				CUSTOMER DRAWING 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
±
±
#1°
-

MATERIAL
-

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

±
±0.3
±0.10
±
±
#1°
-

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

DWN
CHK
T. VALASEK

15APR2005

NAME
50-WAY HARNESS ASSEMBLY, PCM

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=1438129

RESTRICTED TO
-

SCALE
1:1

SHEET
4

OF
10

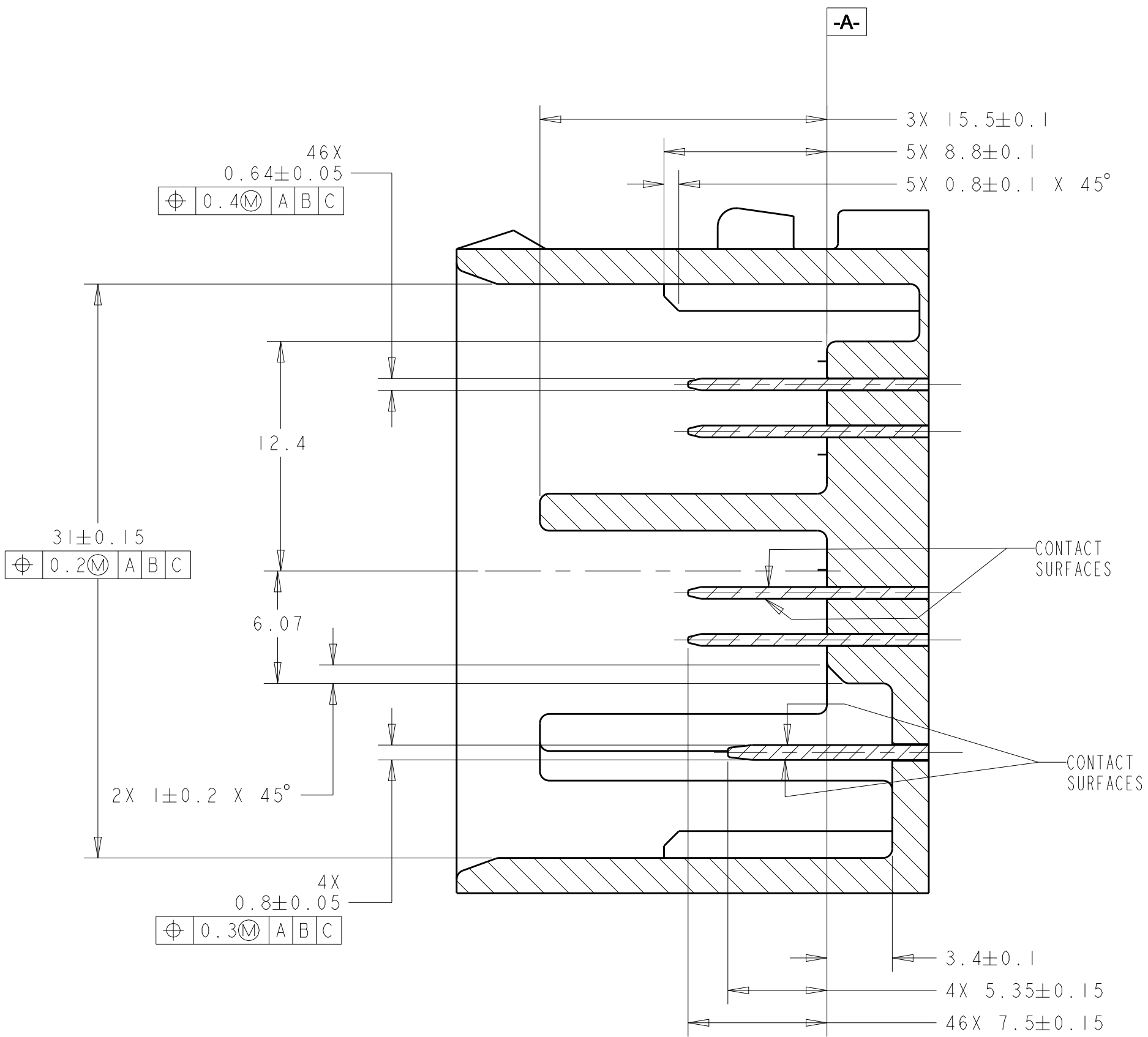
REV
F35

TE Connectivity

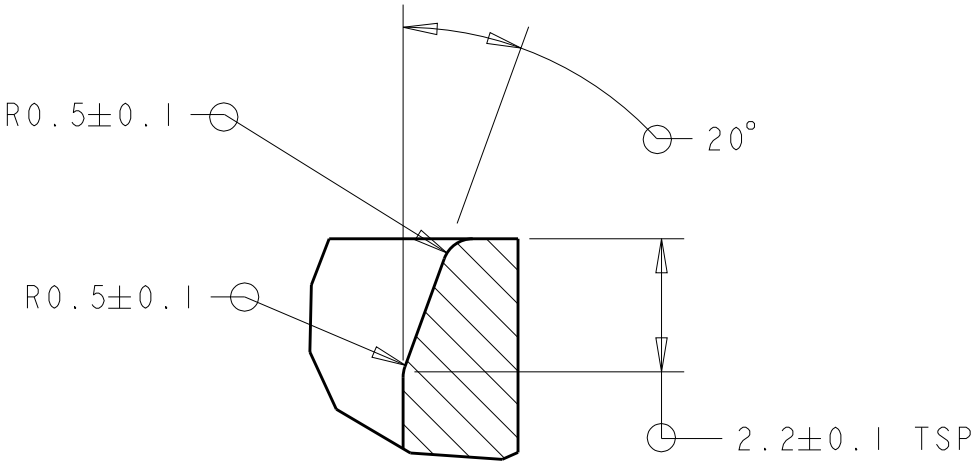
8	7	6	5	4	3	2	1
THIS DRAWING IS UNPUBLISHED.		RELEASED FOR PUBLICATION		20			
COPYRIGHT 20		BY -		ALL RIGHTS RESERVED.			



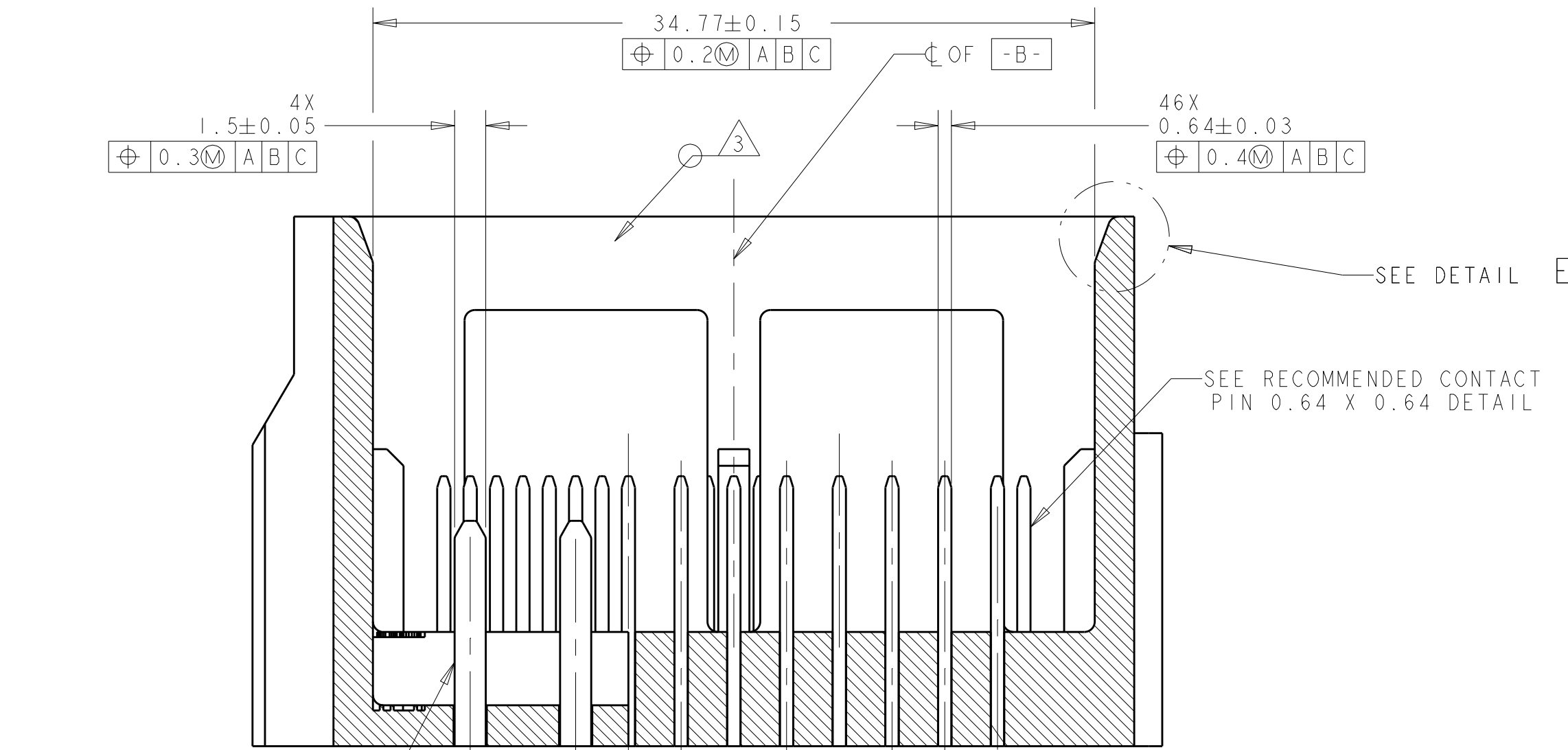
SCALE 2:1



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 RESTRICTED TO	
	2 PLC ±0.10	APPLICATION SPEC		
MATERIAL	FINISH	WEIGHT	A100779C=1438129	
-	-	-	CUSTOMER DRAWING	
SCALE 1:1		SHEET 9 OF 10		REV F35

Technical drawing of the front view of a rectangular metal plate. The plate features a central rectangular cutout with rounded corners and a small circular hole at its center. The plate is perforated with a grid of small circular holes. Mounting holes are located at the corners and along the edges. Dimensions are indicated as follows:

- ϕ OF -B- (pointing to a top mounting hole)
- ϕ OF -C- (pointing to a side mounting hole)
- $2 \times 1.15 \pm 0.05$ (pointing to the thickness of the plate)
- 2×21.03 (pointing to the width of the plate)
- $2 \times R$ (pointing to the radius of the bottom corners)

Numbered callouts (1, 11, 23, 24, 34, 46, 47, 50) identify specific features on the plate:

- 1, 11, 23: Top edge holes
- 24, 34, 46: Middle edge holes
- 47, 50: Bottom edge holes

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, 47, 50, 34, and 46 are labeled. Dimensions include a total width of 21.03mm, a pin pitch of 2.54mm (0.100 inches), and a mounting hole diameter of 1.3mm. A note indicates "KEYING OPTION "B" SCALE 2:1".

Technical drawing of the rear view of a 50-pin D-sub connector. The drawing shows the connector housing with 50 pins arranged in two rows of 25. The pins are numbered 1 through 50. The drawing includes dimensions for the overall width (2X 23.03), the distance between the pin rows (2X 1.3+0.30/-0.15), and the distance from the mounting flange to the first pin (2X R). The drawing also shows the mounting flange with two mounting holes. The drawing is labeled "Rear View" and "50 Pin D-Sub Connector".

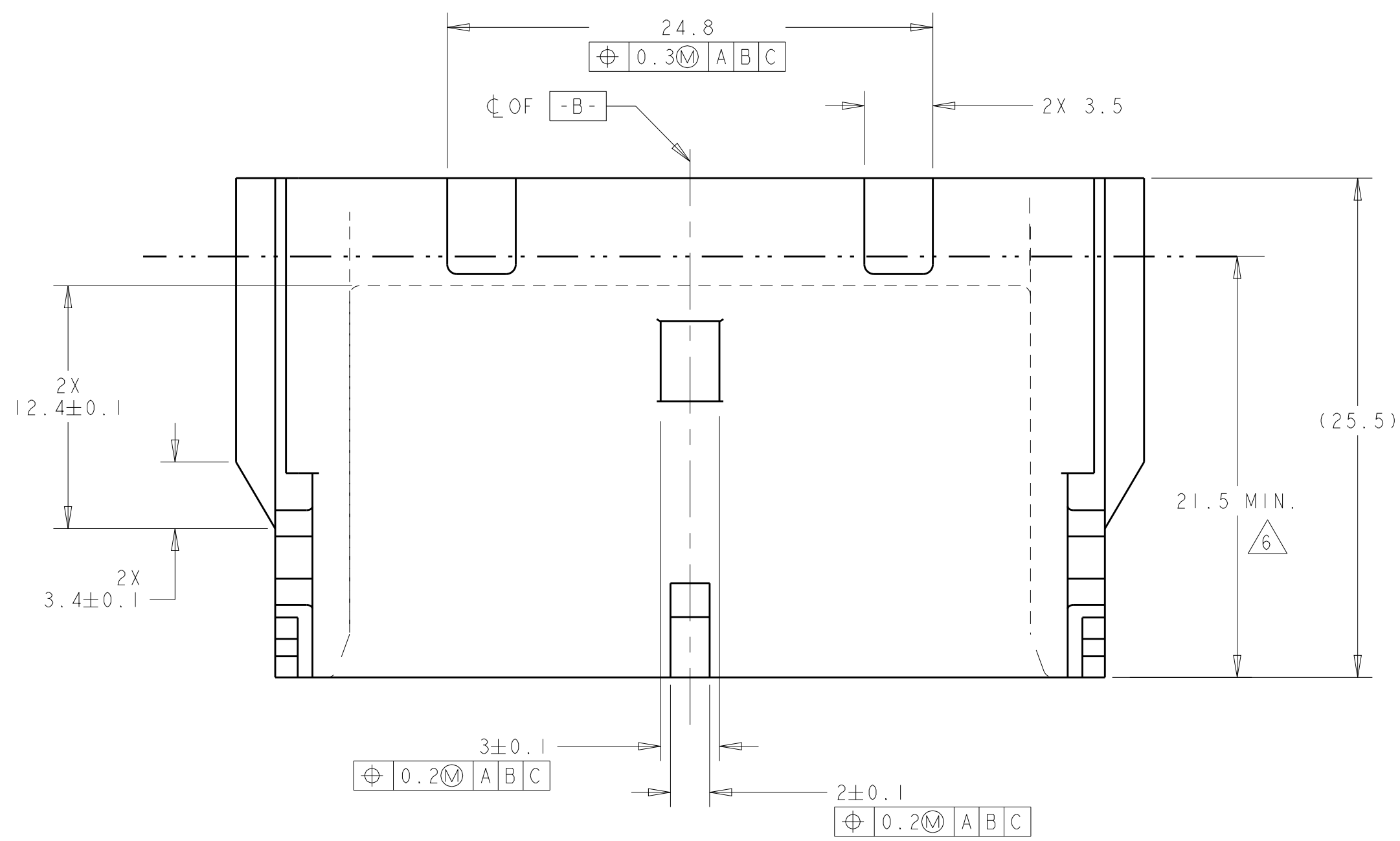
Technical drawing of the front view of a 48-pin D-sub connector, Keying Option 'D'. The drawing shows a rectangular connector with 48 pins arranged in two rows of 24. The top row is labeled 1 to 23, and the bottom row is labeled 24 to 50. The drawing includes dimensions: overall width 23.03, pin pitch 2.103, and mounting hole spacing 1.15 ± 0.05. A detail view of the mounting hole shows a diameter of 1.4 ± 0.1. A table at the bottom left shows the pin numbering sequence: 1, 3, 0, 15, A, B, C. The drawing is labeled 'KEYING OPTION "D"' and '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 symbol indicates a circular runout of 0.10 M on the mounting surface. A note specifies "KEYING OPTION "E" SCALE 2:1".

[illegible][illegible]

DETAIL D
SCALE 6:1
TYP. 2 PLCS.

DETAIL C
SCALE 6:1

4805 (3/13)

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