



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

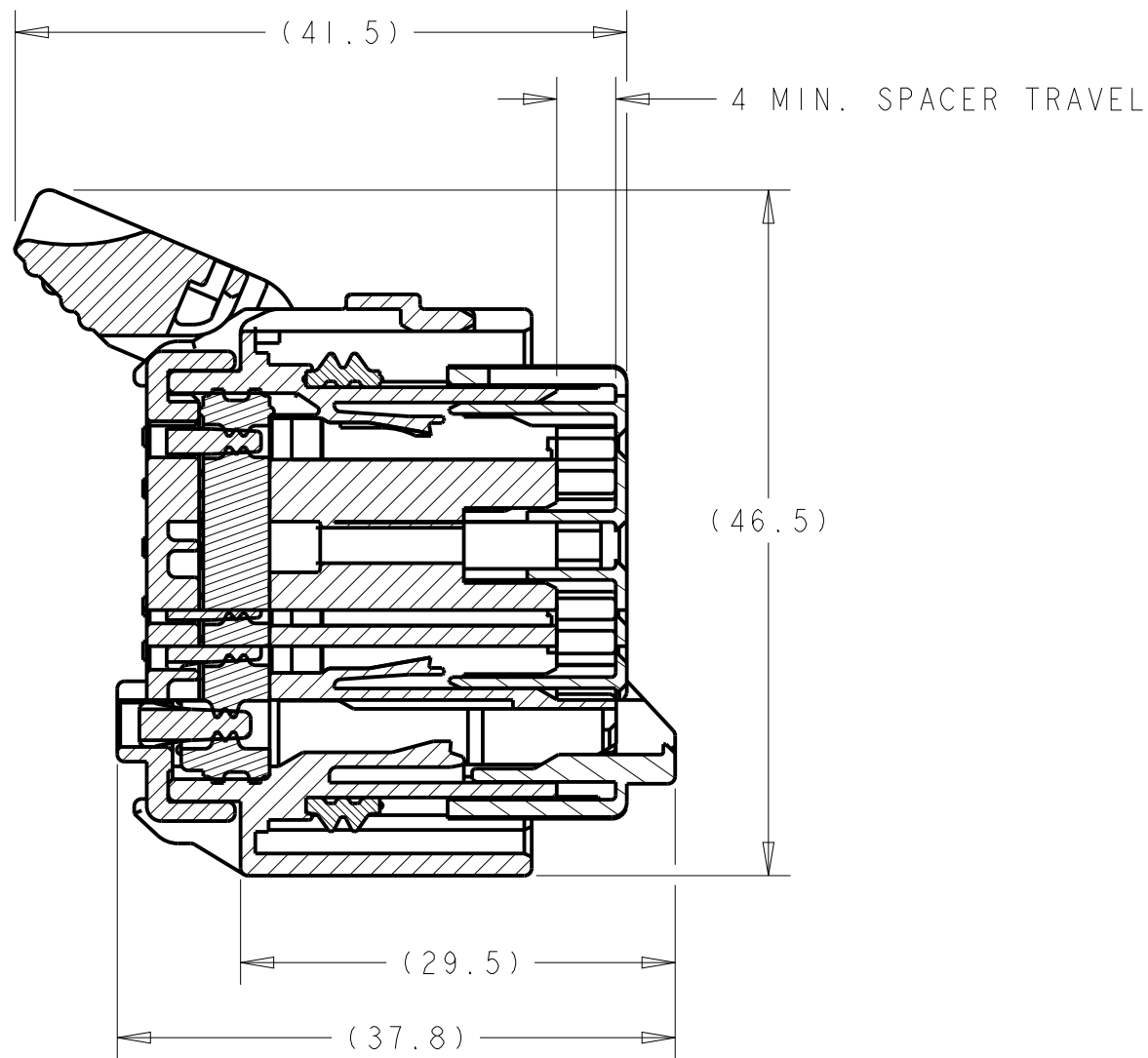
1. PRINT FORD PART NUMBER (SEE ATTACHED CHARTS) AND TRACEABILITY CODE (YY = 2 DIGIT YEAR, JJJ = JULIAN DATE, HH = 2 DIGIT MILITARY HOUR) IN THIS LOCATION AT ASSEMBLY. SEE SHEETS 3, 4 AND 5 (-*) PART NUMBERS.

2. APPLICABLE MOLEX (1.5) POWER TERMINAL PART NUMBERS:
33012-0002 TIN 0.50-1.50mm²

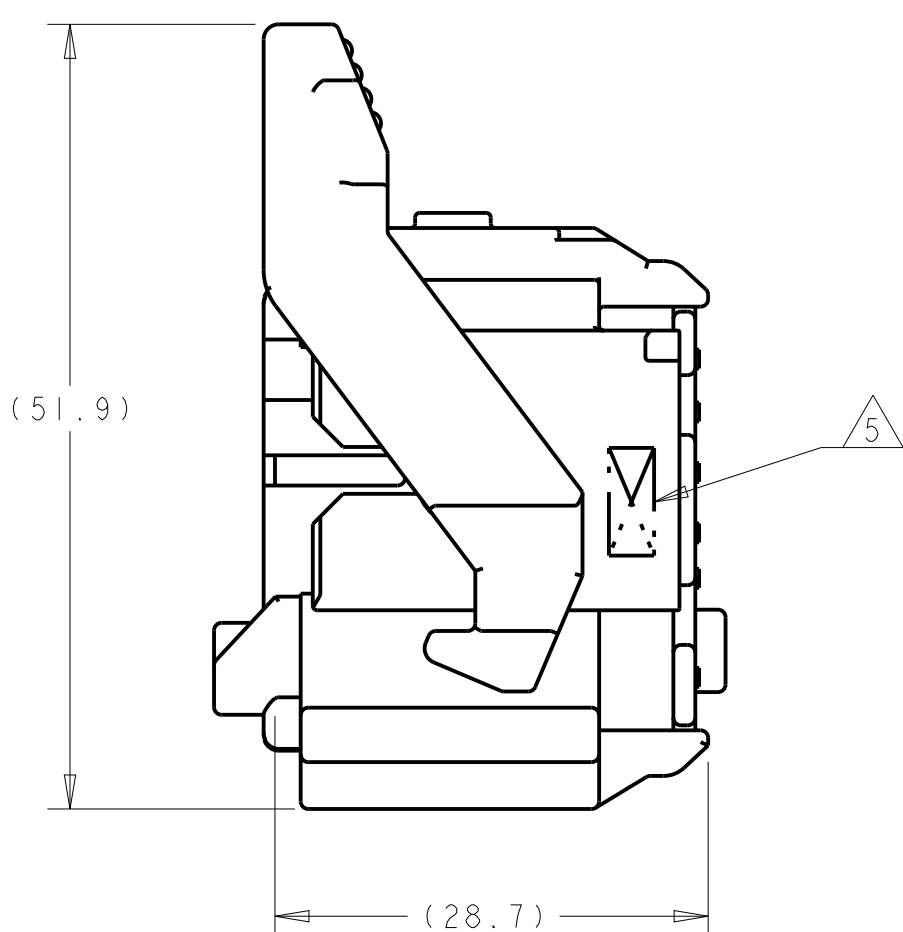
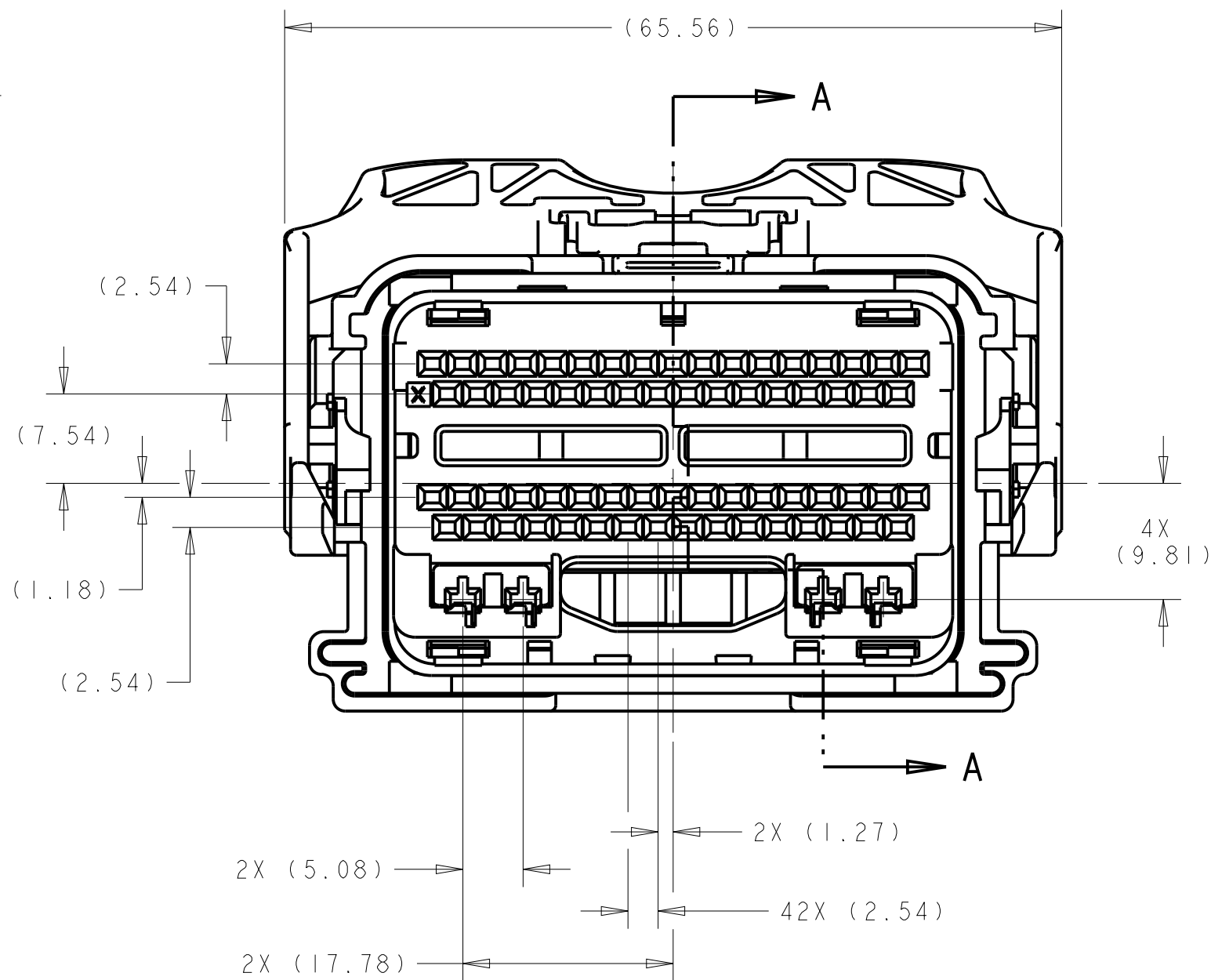
3. CAM LEVER AND SPACER ARE SHIPPED IN THEIR PRE-ASSEMBLED POSITIONS.

4. REFERENCE TE INSTRUCTION SHEET 408-8893.

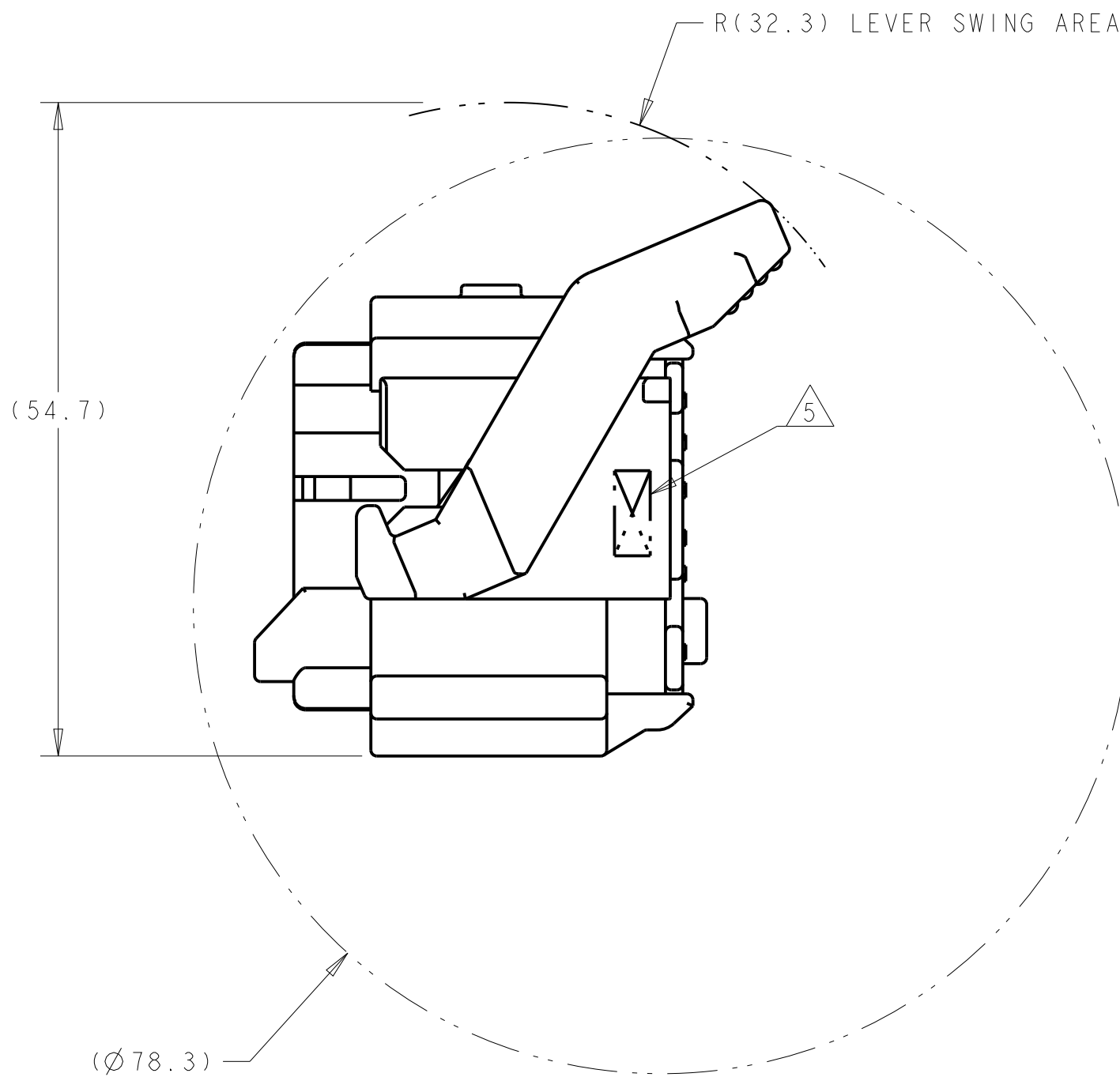
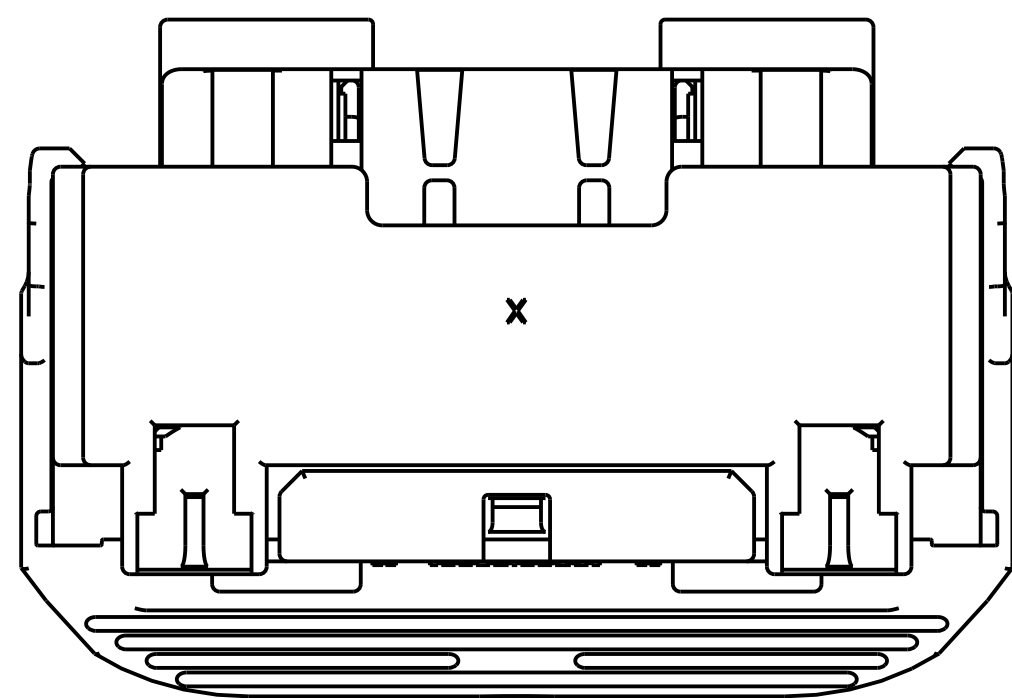
△ COMPANY LOGO.



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



SHOWN WITH CAM
LEVER AND SPACER
IN LOADED POSITION



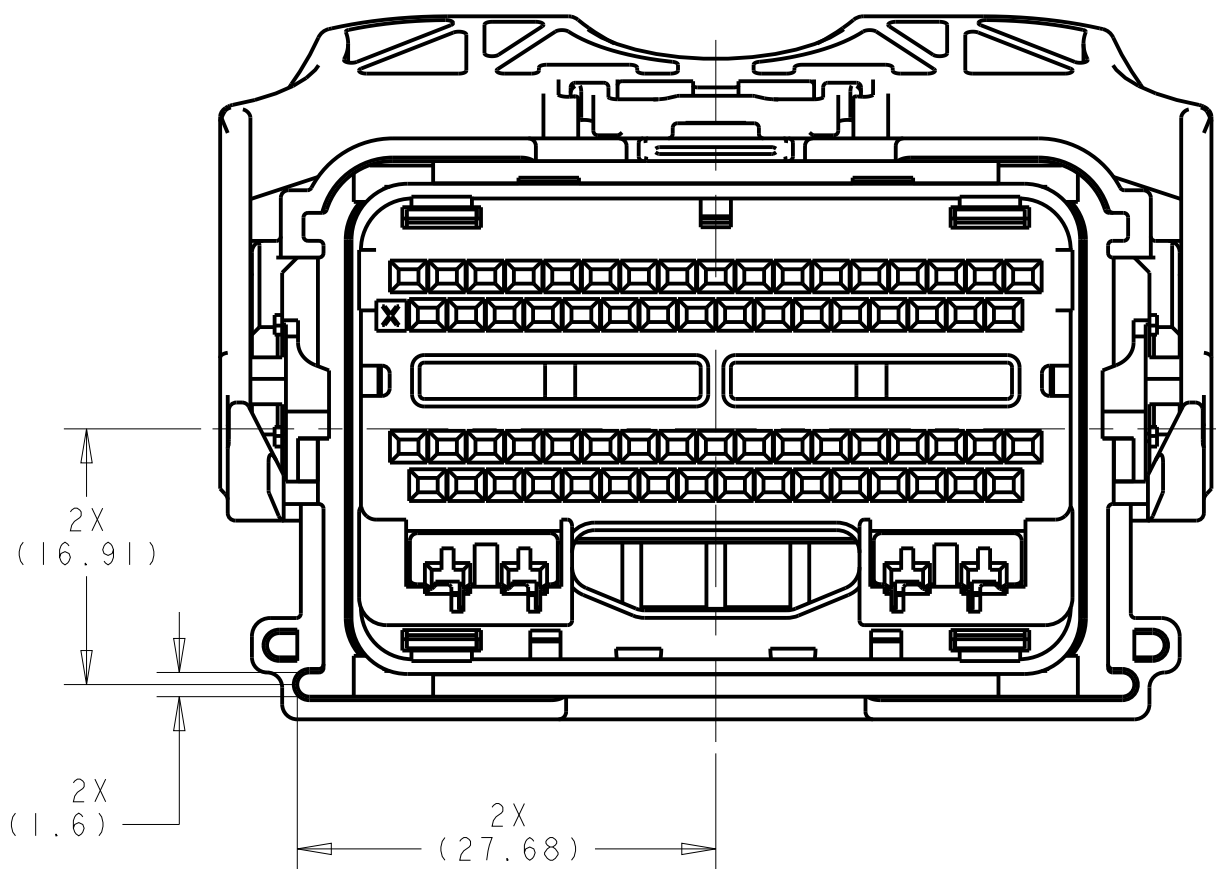
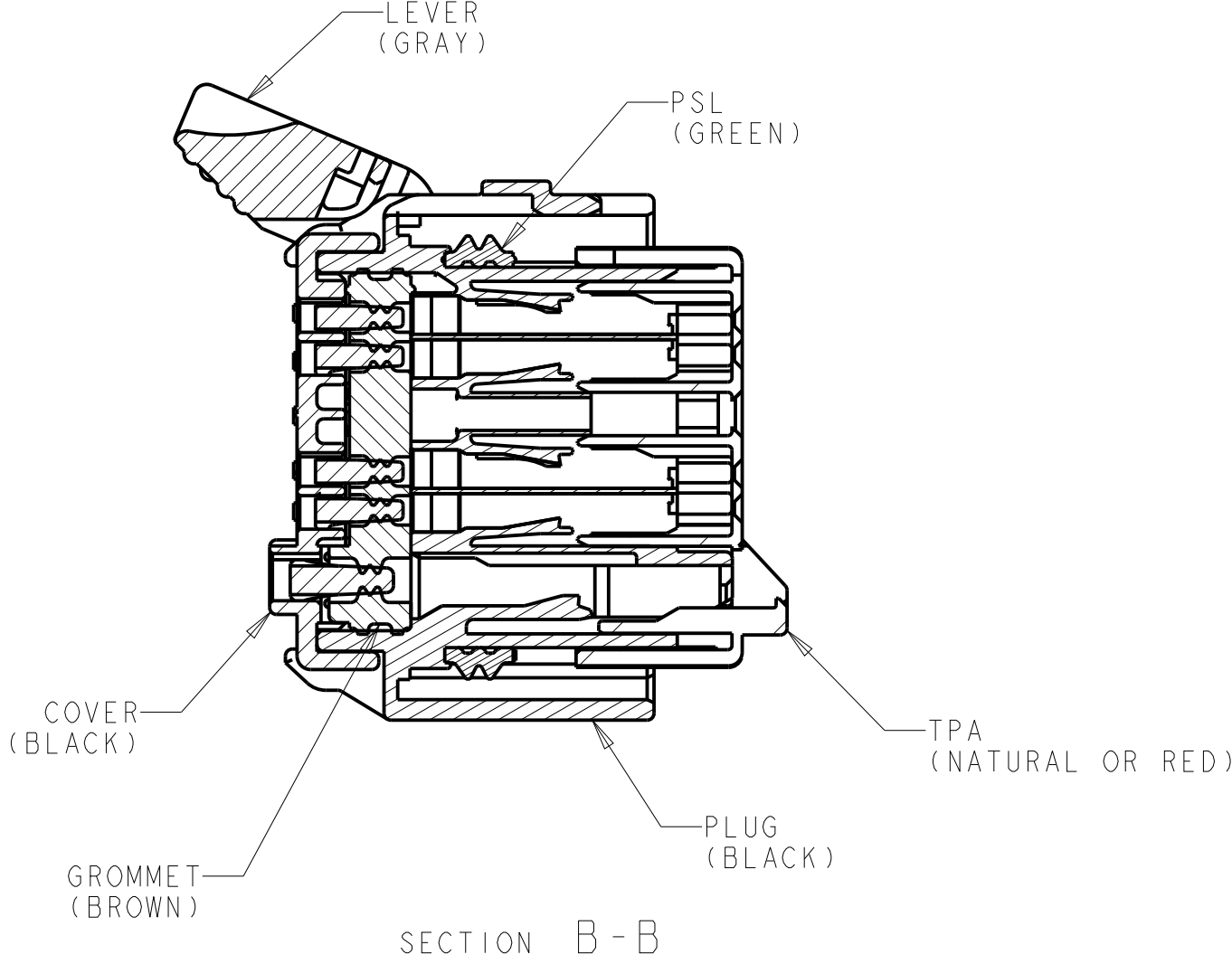
MIN. FEED THRU CONDITION
WITH 1mm CLEARANCE ALL AROUND
SHOWN WITH SPACER IN SEATED POSITION

APPLICABLE COMPONENTS (FOR REFERENCE ONLY)						
DESCRIPTION	NOMINAL 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

SEE SHEETS 3 THRU 7
PART NUMBER

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	
	0 PLC ±.3	PRODUCT SPEC	70-WAY HARNESS ASSEMBLY	
	1 PLC ±0.10	APPLICATION SPEC		
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE
-	-	-	A100779	1438136
CUSTOMER DRAWING		SCALE 2:1	SHEET 1 OF 11	REV. G47

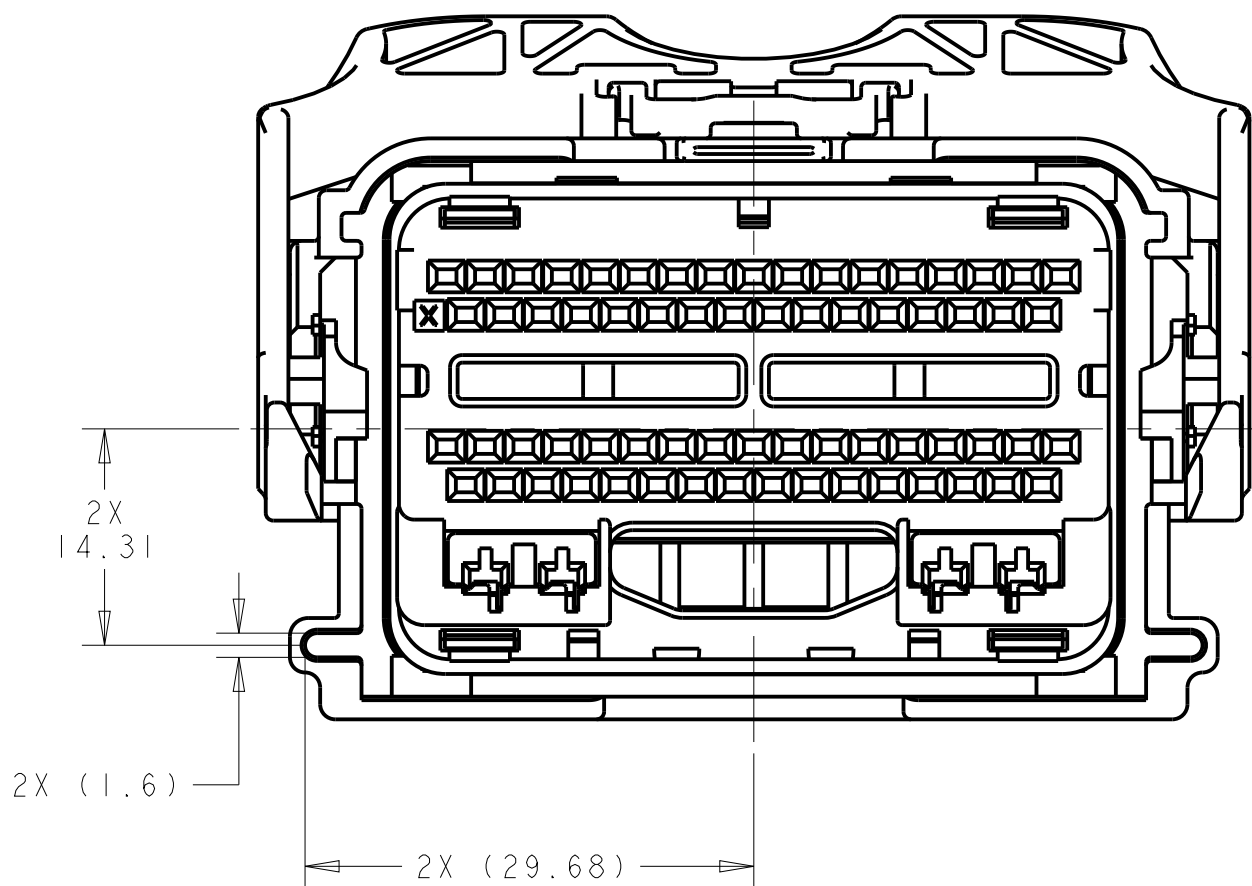
REVISIONS				
P.	LTR.	DESCRIPTION	DATE	OWN APVD.
-	-	SEE SHEET 1	-	-



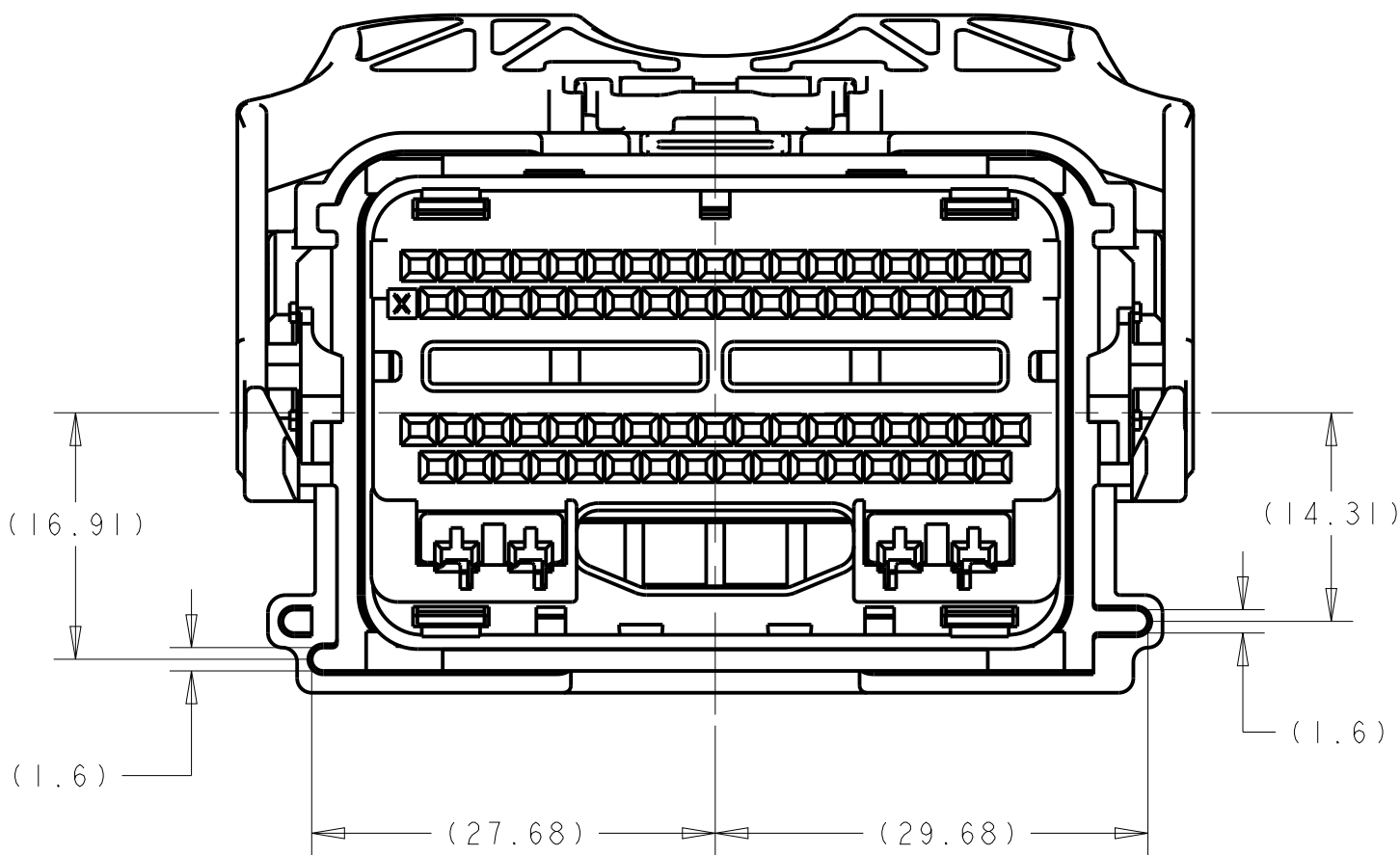
KEYING OPTION "A"



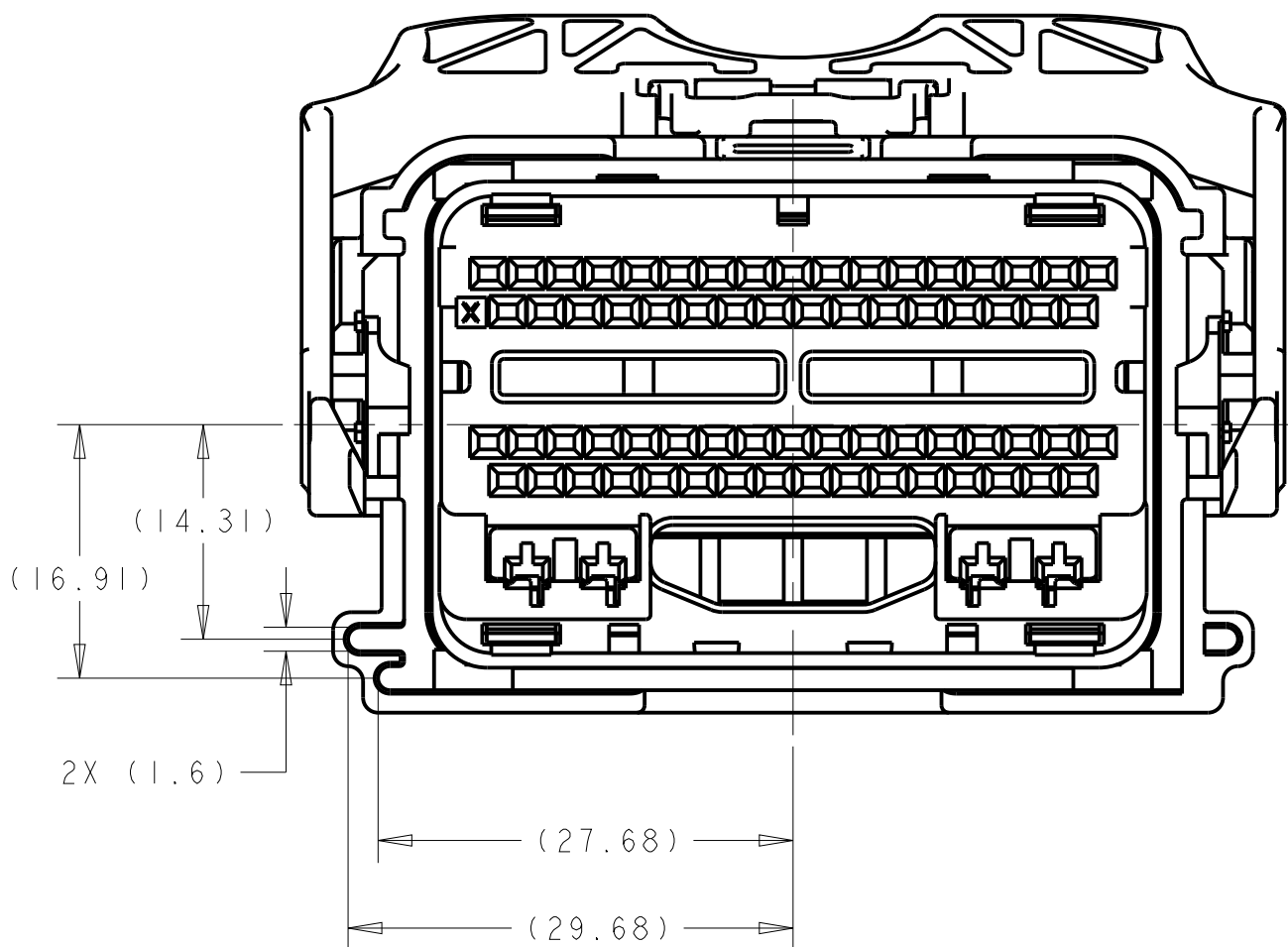
KEYING OPTION "B"



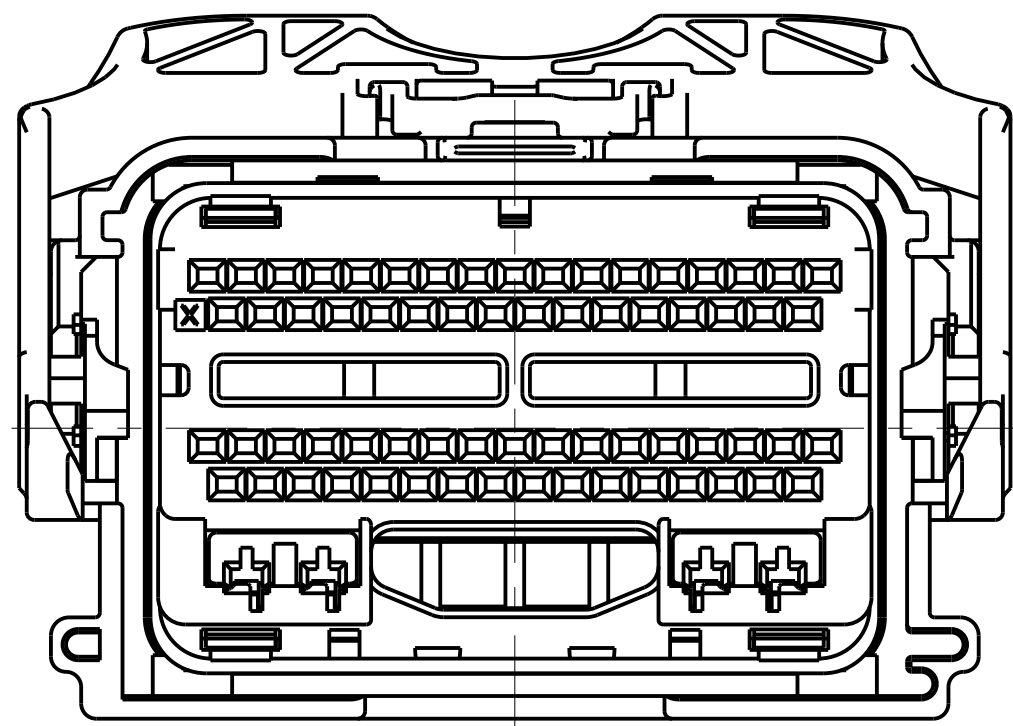
KEYING OPTION "C"



KEYING OPTION "D"



KEYING OPTION "E"



KEYING OPTION "F"

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. VESTAL	15APR2005		TE Connectivity	
		CHK T. VALASEK	15APR2005			
		APVD 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 ±.				
		4 PLC ±.				
		ANGLES ±1°				
		FINISH				
MATERIAL		WEIGHT		SIZE CAGE CODE DRAWING NO		
-		-		A100779C=1438136		
		CUSTOMER DRAWING		RESTRICTED TO		
				SCALE 2:1 SHEET 2 OF 11 REV. 47		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. VESTAL 15APR2005	 TE Connectivity	
DIMENSIONS: mm		CHG T. VALASEK 15APR2005	NAME	
		PRODUCT SPEC -	70-WAY HARNESS ASSEMBLY	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.3 2 PLC ±0.10 3 PLC ± 4 PLC ± ANGLES ±1°		APPLICATION SPEC -	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
MATERIAL - -		WEIGHT -	A100779C=1438136 -	
		CUSTOMER DRAWING	SCALE 2:1 SHEET 3 OF 11 REV 647	

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 ±.

3 PLC ±.

4 PLC ±.

ANGLES ±1°

FINISH

MATERIAL

-

-

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

70-WAY HARNESS ASSEMBLY

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779

©=1438136

SCALE

2:1

SHEET

5

OF

11

REV

647

TE Connectivity

ASSEMBLY PART NUMBER

FORD PART NUMBER

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REVISIONS					
#	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET I	-	-	-

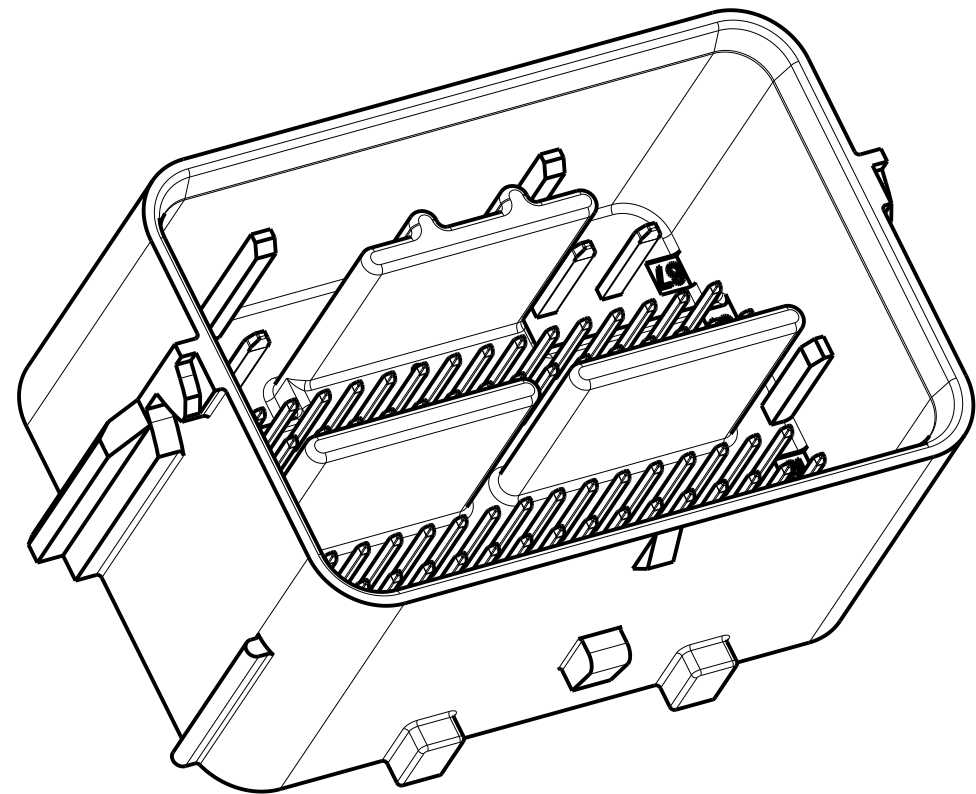
KEYING OPTION F

[illegible]

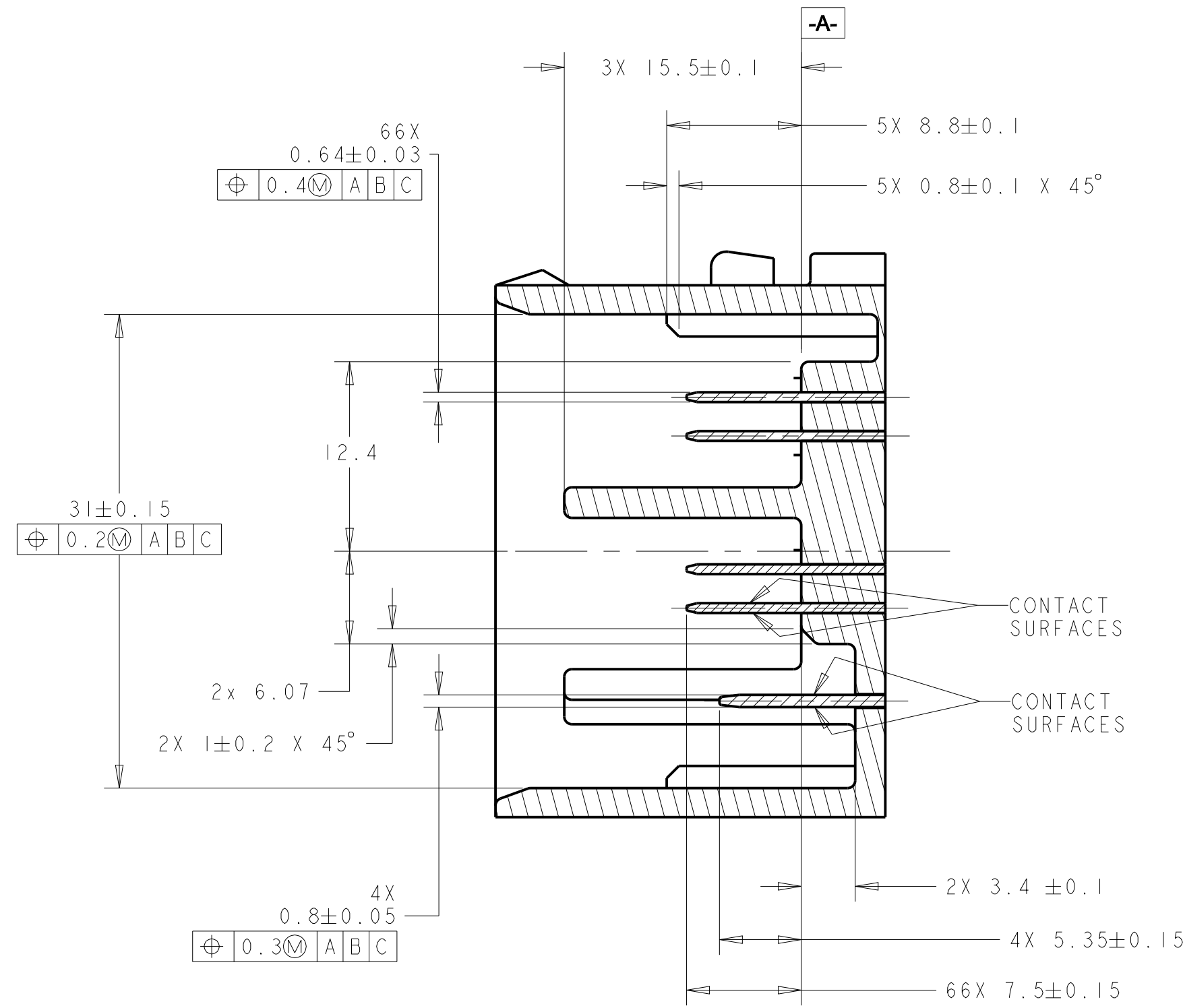
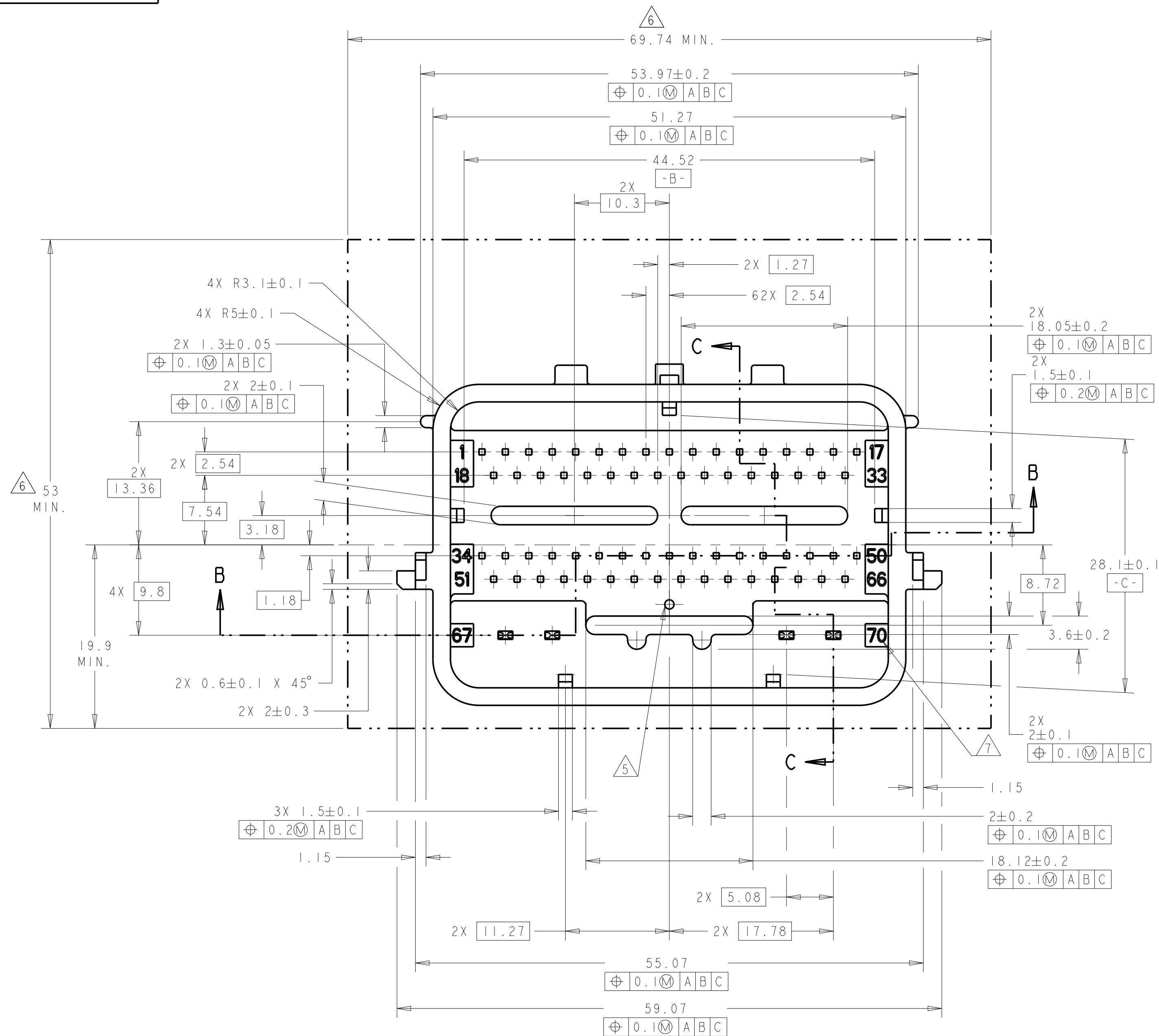
KEYING OPTION E

[illegible]

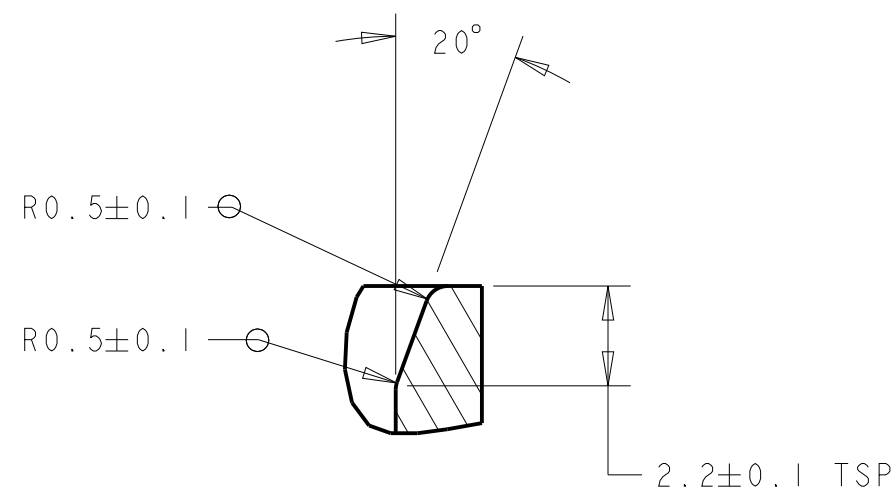
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RES. VESTAL 15APR2005 CHK T. VALASEK 15APR2005 APP'D T. VALASEK 15APR2005		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.0 .1 PLC ±.03 .2 PLC ±.04 .3 PLC ±.05 .4 PLC ±.06 .5 PLC ±.07 .6 PLC ±.08 .7 PLC ±.09 .8 PLC ±.10 .9 PLC ±.11 1.0 PLC ±.12 1.1 PLC ±.13 1.2 PLC ±.14 1.3 PLC ±.15 1.4 PLC ±.16 1.5 PLC ±.17 1.6 PLC ±.18 1.7 PLC ±.19 1.8 PLC ±.20 1.9 PLC ±.21 2.0 PLC ±.22 2.1 PLC ±.23 2.2 PLC ±.24 2.3 PLC ±.25 2.4 PLC ±.26 2.5 PLC ±.27 2.6 PLC ±.28 2.7 PLC ±.29 2.8 PLC ±.30 2.9 PLC ±.31 3.0 PLC ±.32 3.1 PLC ±.33 3.2 PLC ±.34 3.3 PLC ±.35 3.4 PLC ±.36 3.5 PLC ±.37 3.6 PLC ±.38 3.7 PLC ±.39 3.8 PLC ±.40 3.9 PLC ±.41 4.0 PLC ±.42 4.1 PLC ±.43 4.2 PLC ±.44 4.3 PLC ±.45 4.4 PLC ±.46 4.5 PLC ±.47 4.6 PLC ±.48 4.7 PLC ±.49 4.8 PLC ±.50 4.9 PLC ±.51 5.0 PLC ±.52 5.1 PLC ±.53 5.2 PLC ±.54 5.3 PLC ±.55 5.4 PLC ±.56 5.5 PLC ±.57 5.6 PLC ±.58 5.7 PLC ±.59 5.8 PLC ±.60 5.9 PLC ±.61 6.0 PLC ±.62 6.1 PLC ±.63 6.2 PLC ±.64 6.3 PLC ±.65 6.4 PLC ±.66 6.5 PLC ±.67 6.6 PLC ±.68 6.7 PLC ±.69 6.8 PLC ±.70 6.9 PLC ±.71 7.0 PLC ±.72 7.1 PLC ±.73 7.2 PLC ±.74 7.3 PLC 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27.7 PLC ±.279 27.8 PLC ±.280 27.9 PLC ±.281 28.0 PLC ±.282 28.1 PLC ±.283 28.2 PLC ±.284 28.3 PLC ±.285 28.4 PLC ±.286 28.5 PLC ±.287 28.6 PLC ±.288 28.7 PLC ±.289 28.8 PLC ±.290 28.9 PLC ±.291 29.0 PLC ±.292 29.1 PLC ±.293 29.2 PLC ±.294 29.3 PLC ±.295 29.4 PLC ±.296 29.5 PLC ±.297 29.6 PLC ±.298 29.7 PLC ±.299 29.8 PLC ±.300 29.9 PLC ±.301 30.0 PLC ±.302 30.1 PLC ±.303 30.2 PLC ±.304 30.3 PLC ±.305 30.4 PLC ±.306 30.5 PLC ±.307 30.6 PLC ±.308 30.7 PLC ±.309 30.8 PLC ±.310 30.9 PLC ±.311 31.0 PLC ±.312 31.1 PLC ±.313 31.2 PLC ±.314 31.3 PLC ±.315 31.4 PLC ±.316 31.5 PLC ±.317 31.6 PLC ±.318 31.7 PLC ±.319 31.8 PLC ±.320 31.9 PLC ±.321 32.0 PLC ±.322 32.1 PLC ±.323 32.2 PLC ±.324 32.3 PLC ±.325 32.4 PLC ±.326 32.5 PLC ±.327 32.6 PLC ±.328 32.7 PLC ±.329 32.8 PLC ±.330 32.9 PLC ±.331 33.0 PLC ±.332 33.1 PLC ±.333 33.2 PLC ±.334 33.3 PLC ±.335 33.4 PLC ±.336 33.5 PLC ±.337 33.6 PLC ±.338 33.7 PLC ±.339 33.8 PLC ±.340 33.9 PLC ±.341 34.0 PLC ±.342 34.1 PLC ±.343 34.2 PLC ±.344 34.3 PLC 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PLC ±.412 41.1 PLC ±.413 41.2 PLC ±.414 41.3 PLC ±.415 41.4 PLC ±.416 41.5 PLC ±.417 41.6 PLC ±.418 41.7 PLC ±.419 41.8 PLC ±.420 41.9 PLC ±.421 42.0 PLC ±.422 42.1 PLC ±.423 42.2 PLC ±.424 42.3 PLC ±.425 42.4 PLC ±.426 42.5 PLC ±.427 42.6 PLC ±.428 42.7 PLC ±.429 42.8 PLC ±.430 42.9 PLC ±.431 43.0 PLC ±.432 43.1 PLC ±.433 43.2 PLC ±.434 43.3 PLC ±.435 43.4 PLC ±.436 43.5 PLC ±.437 43.6 PLC ±.438 43.7 PLC ±.439 43.8 PLC ±.440 43.9 PLC ±.441 44.0 PLC ±.442 44.1 PLC ±.443 44.2 PLC ±.444 44.3 PLC ±.445 44.4 PLC ±.446 44.5 PLC ±.447 44.6 PLC ±.448 44.7 PLC ±.449 44.8 PLC ±.450 44.9 PLC ±.451 45.0 PLC ±.452 45.1 PLC ±.453 45.2 PLC ±.454 45.3 PLC ±.455 45.4 PLC ±.456 45.5 PLC ±.457 45.6 PLC ±.458 45.7 PLC ±.459 45.8 PLC ±.460 45.9 PLC ±.461 46.0 PLC ±.462 46.1 PLC ±.463 46.2 PLC ±.464 46.3 PLC ±.465 46.4 PLC ±.466 46.5 PLC ±.467 46.6 PLC ±.468 46.7 PLC ±.469 46.8 PLC ±.470 46.9 PLC ±.471 47.0 PLC ±.472 47.1 PLC ±.473 47.2 PLC ±.474 47.3 PLC ±.475 47.4 PLC ±.476 47.5 PLC ±.477 47.6 PLC ±.478 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PLC ±.612 61.1 PLC ±.613 61.2 PLC ±.614 61.3 PLC ±.615 61.4 PLC ±.616 61.5 PLC ±.617 61.6 PLC ±.618 61.7 PLC ±.619 61.8 PLC ±.620 61.9 PLC ±.621 62.0 PLC ±.622 62.1 PLC ±.623 62.2 PLC ±.624 62.3 PLC ±.625 62.4 PLC ±.626 62.5 PLC ±.627 62.6 PLC ±.628 62.7 PLC ±.629 62.8 PLC ±.630 62.9 PLC ±.631 63.0 PLC ±.632 63.1 PLC ±.633 63.2 PLC ±.634 63.3 PLC ±.635 63.4 PLC ±.636 63.5 PLC ±.637 63.6 PLC ±.638 63.7 PLC ±.639 63.8 PLC ±.640 63.9 PLC ±.641 64.0 PLC ±.642 64.1 PLC ±.643 64.2 PLC ±.644 64.3 PLC ±.645 64.4 PLC ±.646 64.5 PLC ±.647 64.6 PLC ±.648 64.7 PLC ±.649 64.8 PLC ±.650 64.9 PLC ±.651 65.0 PLC ±.652 65.1 PLC ±.653 65.2 PLC ±.654 65.3 PLC ±.655 65.4 PLC ±.656 65.5 PLC ±.657 65.6 PLC ±.658 65.7 PLC ±.659 65.8 PLC ±.660 65.9 PLC ±.661 66.0 PLC ±.662 66.1 PLC ±.663 66.2 PLC ±.664 66.3 PLC ±.665 66.4 PLC ±.666 66.5 PLC ±.667 66.6 PLC ±.668 66.7 PLC ±.669 66.8 PLC ±.670 66.9 PLC ±.671 67.0 PLC ±.672 67.1 PLC ±.673 67.2 PLC ±.674 67.3 PLC ±.675 67.4 PLC ±.676 67.5 PLC ±.677 67.6 PLC ±.678 67.7 PLC ±.679 67.8 PLC ±.680 67.9 PLC ±.681 68.0 PLC ±.682 68.1 PLC ±.683 68.2 PLC ±.684 68.3 PLC ±.685 68.4 PLC ±.686 68.5 PLC ±.687 68.6 PLC ±.688 68.7 PLC ±.689 68.8 PLC ±.690 68.9 PLC ±.691 69.0 PLC ±.692 69.1 PLC ±.693 69.2 PLC ±.694 69.3 PLC ±.695 69.4 PLC ±.696 69.5 PLC ±.697 69.6 PLC ±.698 69.7 PLC ±.699 69.8 PLC ±.700 69.9 PLC ±.701 70.0 PLC ±.702 70.1 PLC ±.703 70.2 PLC ±.704 70.3 PLC ±.705 70.4 PLC ±.706 70.5 PLC ±.707 70.6 PLC ±.708 70.7 PLC ±.709 70.8 PLC ±.710 70.9 PLC ±.711 71.0 PLC ±.712 71.1 PLC ±.713 71.2 PLC ±.714 71.3 PLC ±.715 71.4 PLC ±.716 71.5 PLC ±.717 71.6 PLC ±.718 71.7 PLC ±.719 71.8 PLC ±.720 71.9 PLC ±.721 72.0 PLC ±.722 72.1 PLC ±.723 72.2 PLC ±.724 72.3 PLC ±.725 72.4 PLC ±.726 72.5 PLC ±.727 72.6 PLC ±.728 72.7 PLC ±.729 72.8 PLC ±.730 72.9 PLC ±.731 73.0 PLC ±.732 73.1 PLC ±.733 73.2 PLC ±.734 73.3 PLC ±.735 73.4 PLC ±.736 73.5 PLC ±.737 73.6 PLC ±.738 73.7 PLC ±.739 73.8 PLC ±.740 73.9 PLC ±.741 74.0 PLC ±.742 74.1 PLC ±.743 74.2 PLC ±.744 74.3 PLC ±.745 74.4 PLC ±.746 74.5 PLC ±.747 74.6 PLC ±.748 74.7 PLC ±.749 74.8 PLC ±.750 74.9 PLC ±.751 75.0 PLC ±.752 75.1 PLC ±.753 75.2 PLC ±.754 75.3 PLC ±.755 75.4 PLC ±.756 75.5 PLC ±.757 75.6 PLC ±.758 75.7 PLC ±.759 75.8 PLC ±.760 75.9 PLC ±.761 76.0 PLC ±.762 76.1 PLC ±.763 76.2 PLC ±.764 76.3 PLC ±.765 76.4 PLC ±.766 76.5 PLC ±.767 76.6 PLC ±.768 76.7 PLC ±.769 76.8 PLC ±.770 76.9 PLC ±.771 77.0 PLC ±.772 77.1 PLC ±.773 77.2 PLC ±.774 77.3 PLC ±.775 77.4 PLC ±.776 77.5 PLC ±.777 77.6 PLC ±.778 77.7 PLC ±.779 77.8 PLC ±.780 77.9 PLC ±.781 78.0 PLC ±.782 78.1 PLC ±.783 78.2 PLC ±.784 78.3 PLC ±.785 78.4 PLC ±.786 78.5 PLC ±.787 78.6 PLC ±.788 78.7 PLC ±.789 78.8 PLC ±.790 78.9 PLC ±.791 79.0 PLC ±.792 79.1 PLC ±.793 79.2 PLC ±.794 79.3 PLC ±.795 79.4 PLC ±.796 79.5 PLC ±.797 79.6 PLC ±.798 79.7 PLC ±.799 79.8 PLC ±.800 79.9 PLC ±.801 80.0 PLC ±.802 80.1 PLC ±.803 80.2 PLC ±.804 80.3 PLC ±.805 80.4 PLC ±.806 80.5 PLC ±.807 80.6 PLC ±.808 80.7 PLC ±.809 80.8 PLC ±.810 80.9 PLC ±.811 81.0 PLC ±.812 81.1 PLC ±.813 81.2 PLC ±.814 81.3 PLC ±.815 81.4 PLC ±.816 81.5 PLC ±.817 81.6 PLC ±.818 81.7 PLC ±.819 81.8 PLC ±.820 81.9 PLC ±.821 82.0 PLC ±.822 82.1 PLC ±.823 82.2 PLC ±.824 82.3 PLC ±.825 82.4 PLC ±.826 82.5 PLC ±.827 82.6 PLC ±.828 82.7 PLC ±.829 82.8 PLC ±.830 82.9 PLC ±.831 83.0 PLC ±.832 83.1 PLC ±.833 83.2 PLC ±.834 83.3 PLC ±.835 83.4 PLC ±.836 83.5 PLC ±.837 83.6 PLC ±.838 83.7 PLC ±.839 83.8 PLC ±.840 83.9 PLC ±.841 84.0 PLC ±.842 84.1 PLC ±.843 84.2 PLC ±.844 84.3 PLC ±.845 84.4 PLC ±.846 84.5 PLC ±.847 84.6 PLC ±.848 84.7 PLC ±.849 84.8 PLC ±.850 84.9 PLC ±.851 85.0 PLC ±.852 85.1 PLC ±.853 85.2 PLC ±.854 85.3 PLC ±.855 85.4 PLC ±.856 85.5 PLC ±.857 85.6 PLC ±.858 85.7 PLC ±.859 85.8 PLC ±.860 85.9 PLC ±.861 86.0 PLC ±.862 86.1 PLC ±.863 86.2 PLC ±.864 86.3 PLC ±.865 86.4 PLC ±.866 86.5 PLC ±.867 86.6 PLC ±.868 86.7 PLC ±.869 86.8 PLC ±.870 86.9 PLC ±.871 87.0 PLC ±.872 87.1 PLC ±.873 87.2 PLC ±.874 87.3 PLC ±.875 87.4 PLC ±.876 87.5 PLC ±.877 87.6 PLC ±.878 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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.

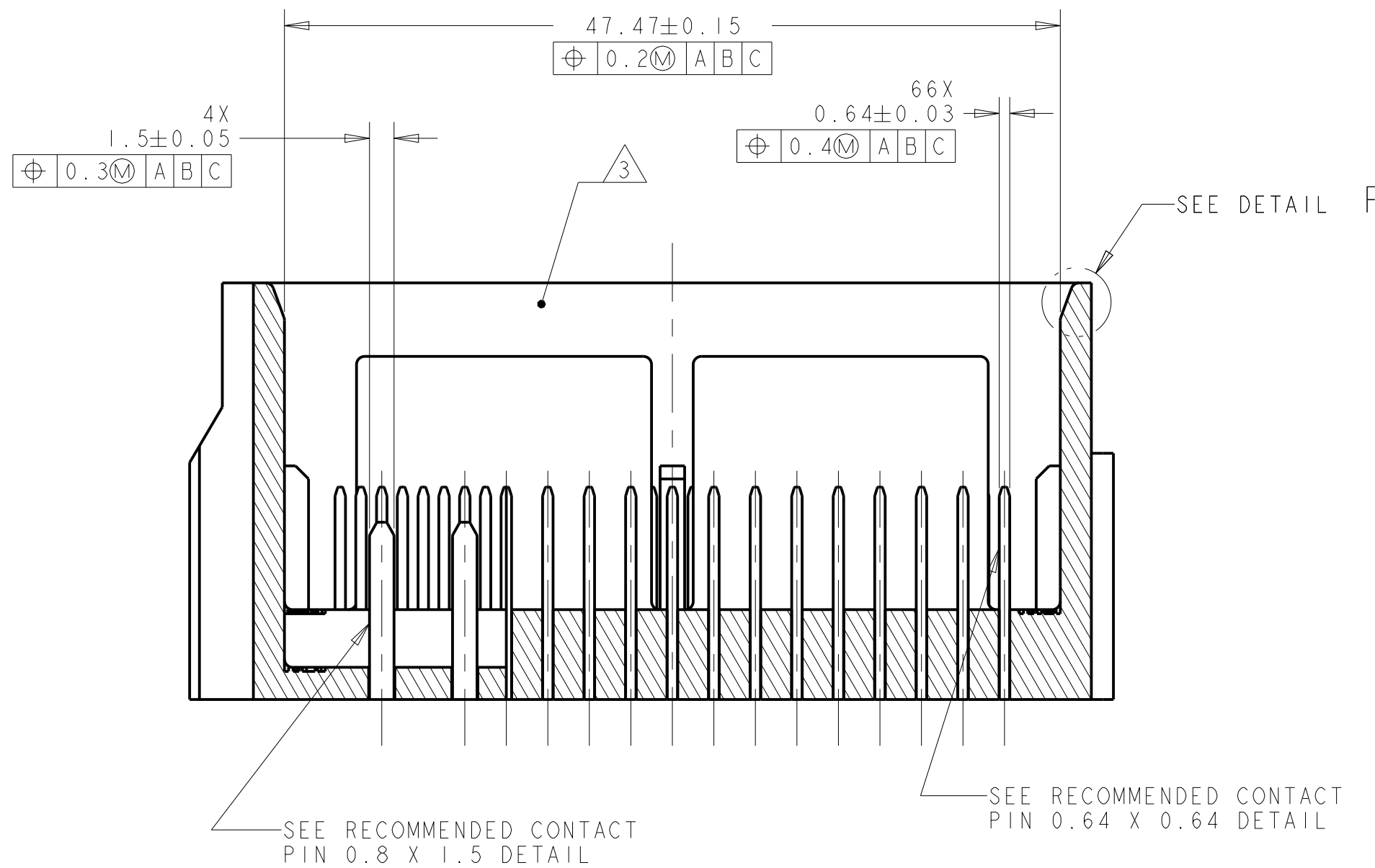
4. ALL UNMARKED RADII TO BE 0.5 MAX., UNLESS OTHERWISE SPECIFIED

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 R. VESTAL	15APR2005	 TE Connectivity	
DIMENSIONS:		CHK T. VALASEK	15APR2005		
mm		APVD T. VALASEK	15APR2005	NAME	
		PRODUCT SPEC		70-WAY HARNESS ASSEMBLY	
		APPLICATION SPEC			
MATERIAL		WEIGHT		SIZE	
-		-		A100779C=1438136	
FINISH		CUSTOMER DRAWING		RESTRICTED TO	
-				-	
				SCALE 2:1 SHEET 10 OF 11 REV 647	

HEADER INTERFACE KEYING OPTIONS

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	
	0 PLC ±0.3 1 PLC ±0.10 2 PLC ±0.10 3 PLC ±0.10 4 PLC ±0.10 ANGLES ±0.1°	PRODUCT SPEC - APPLICATION SPEC -	70-WAY HARNESS ASSEMBLY	
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE
-	-	-	A100779	C=1438136
		CUSTOMER DRAWING	DRAWING NO	
			RESTRICTED TO	
			-	
			SCALE	2:1
			SHEET	11 OF 11
			REV G47	

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