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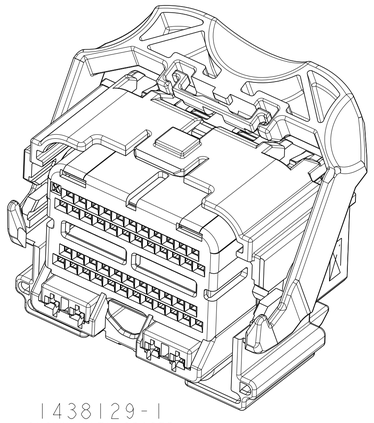
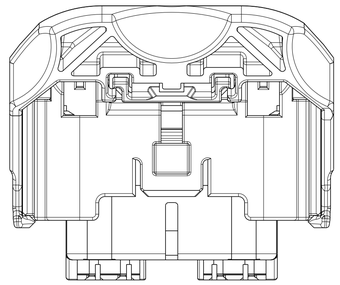
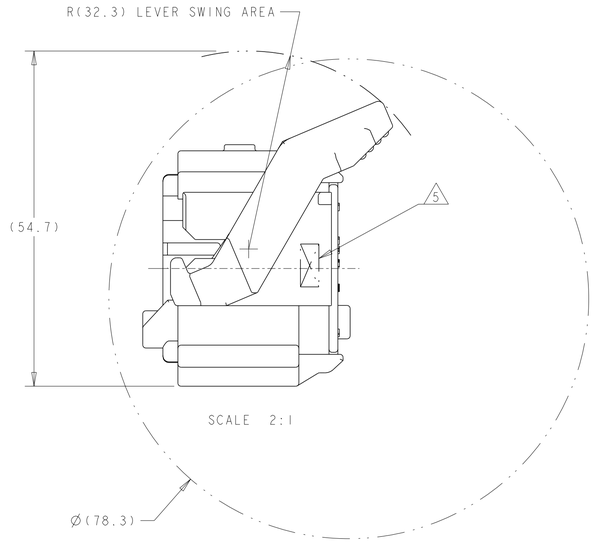
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	F34	REVISED PER ECO-17-007768	30MAY2017	DLD	DCM
	F35	REVISED PER ECO-17-014872	24OCT2017	JMS	CM
	F36	REVISED PER ECO-18-005691	16APR2018	JMS	CM
	F37	ECO-18-013134	13SEP2018	KP	CM



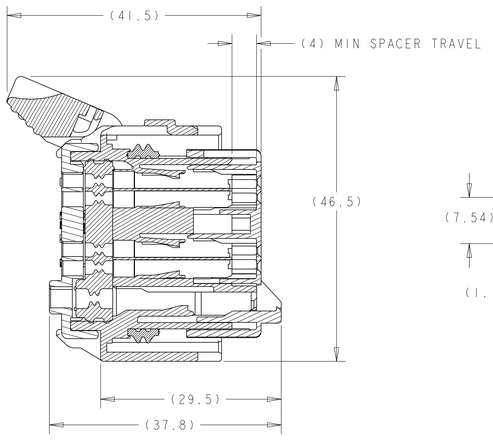
1438129-1
SHOWN WITH SPACER
IN SEATED POSITION



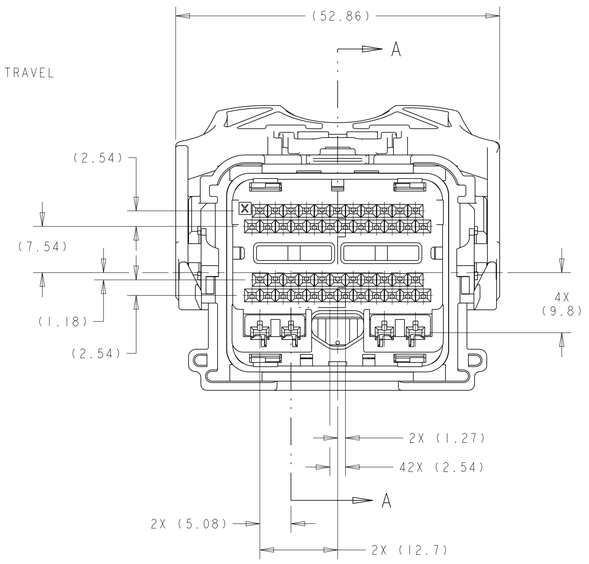


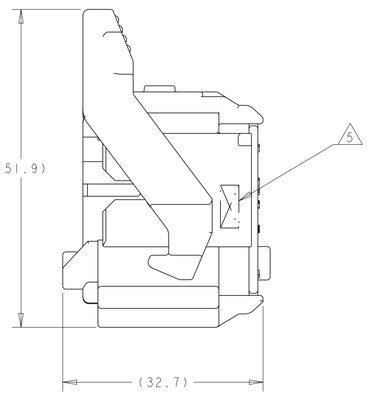
MIN. FEED THRU
CONDITION WITH 1mm
CLEARANCE ALL AROUND
SHOWN WITH SPACER IN SEATED POSITION

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.

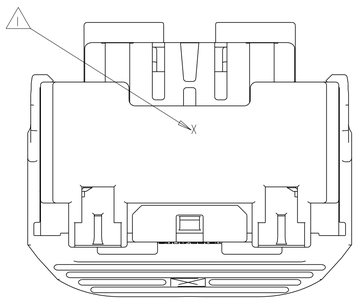


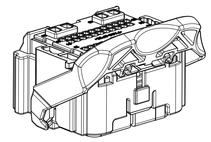
SECTION A-A
SPACER AND LEVER IN
PRE-SEATED POSITION
(DELIVERY CONDITION)





SHOWN WITH CAM
LEVER AND SPACER
IN LOADED POSITION





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

SEE TABLES
SHEETS 3 THRU 7
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 50-WAY HARNESS ASSEMBLY, PCM -

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

CUSTOMER DRAWING | SCALE 1:1 | SHEET 1 OF 10 | REV F37

4805 (3/13)

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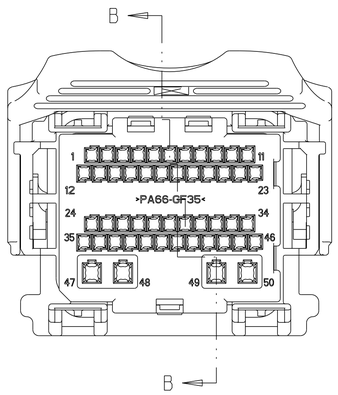
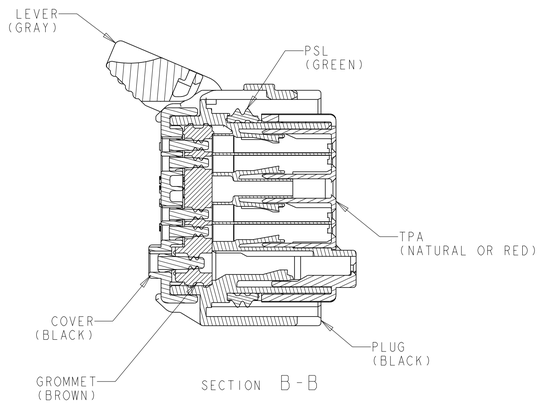
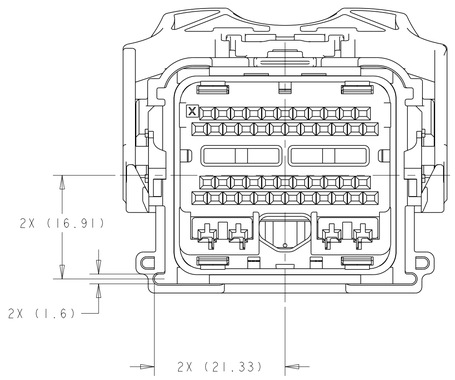
REVISIONS

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

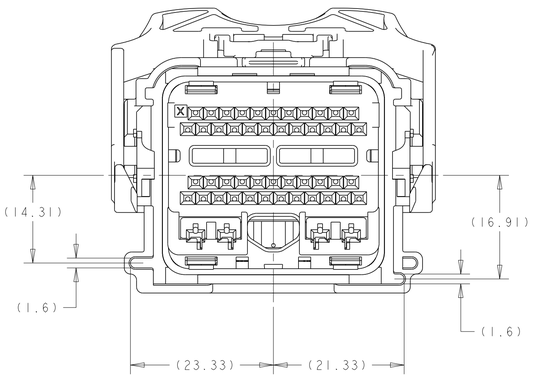




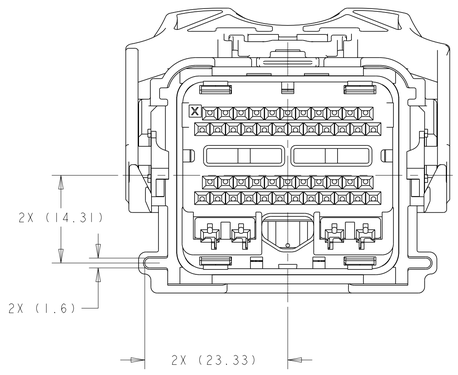
SECTION B-B



1438129-1
KEYING OPTION "A"



1438129-2
KEYING OPTION "B"



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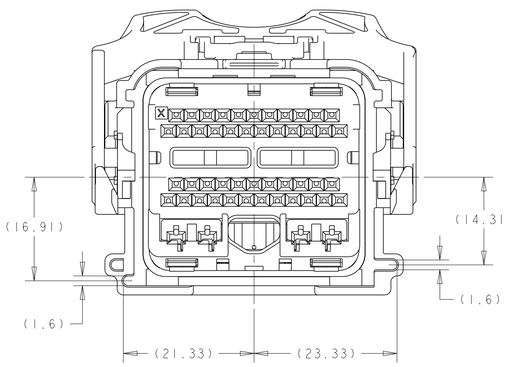
KEYING OPTION "C"



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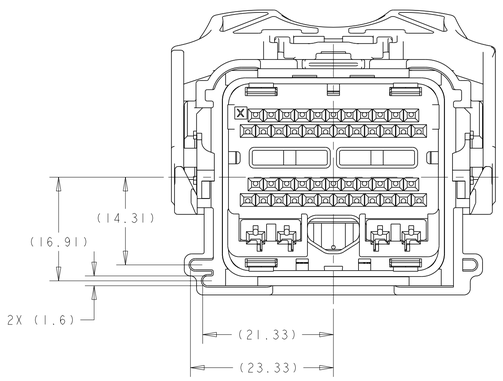
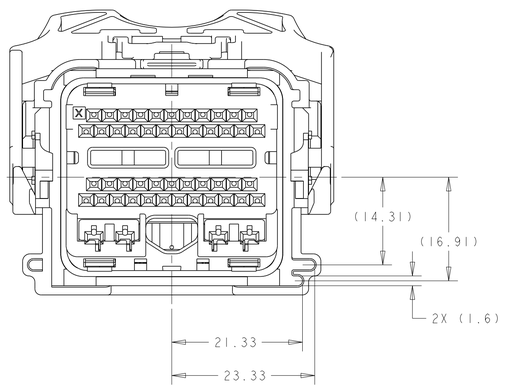
KEYING OPTION "D"



1438129-5
KEYING OPTION "E"



1438129-6
KEYING OPTION "F"

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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 50-WAY HARNESS ASSEMBLY, PCM -

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

CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 10 | REV F37

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REVISIONS

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

KEYING OPTION A

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1438129-1																																																				5S4T-14A464-LA-000
TERMINAL HOLE POSITION	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	ASSEMBLY PART NUMBER	FORD PART NUMBER

CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS

BLANK CAVITIES INDICATES OPEN TERMINAL HOLE LOCATIONS

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

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: 50-WAY HARNESS ASSEMBLY, PCM

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

CUSTOMER DRAWING | SCALE 1:1 | SHEET 3 OF 10 | REV F37

4805 (3/13)

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

KEYING OPTION B

| CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS | | | | |

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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	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	ASSEMBLY PART NUMBER	FORD PART NUMBER
CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS												39	38	37	36							29	28				23			20	19											10	9	8	7	6	5					7-1924783-8	5S4T-14A464-NA-135
												39	38	37	36							29	28				23			20	19											10	9	8	7		5					7-1924783-4	5S4T-14A464-NA-134
BLANK CAVITIES INDICATES OPEN TERMINAL HOLE LOCATIONS												39	38	37	36							29	28				23			20	19											10	9	8	7							7-1924783-2	5S4T-14A464-NA-133
												39	38	37	36								28		26	25	23			20										11	10		8		6	5					7-1924783-0	5S4T-14A464-NA-132

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

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 50-WAY HARNESS ASSEMBLY, PCM -

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

CUSTOMER DRAWING | SCALE 1:1 | SHEET 8 OF 10 | REV F37

4805 (3/13)

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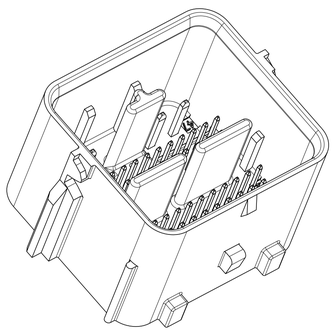
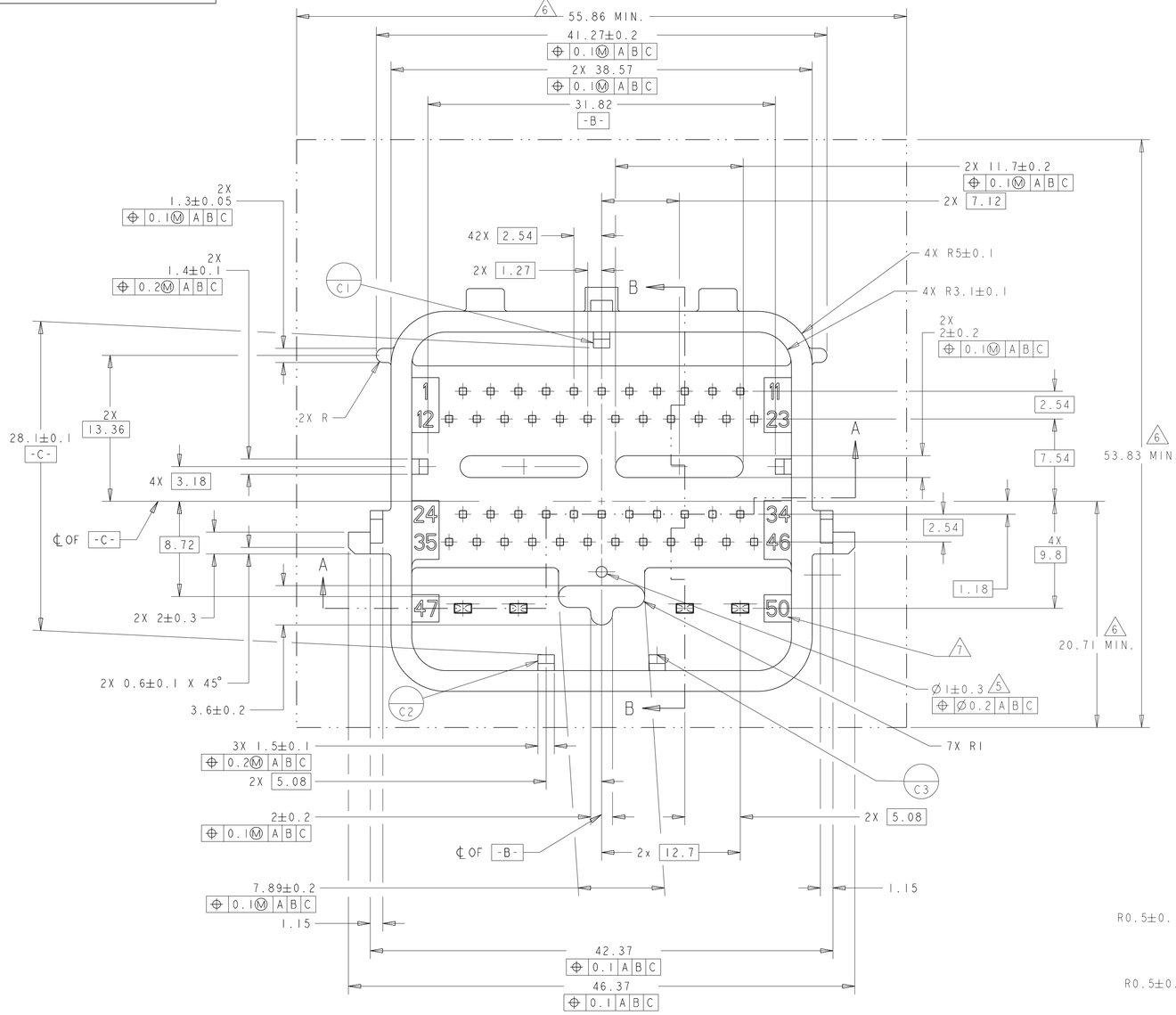
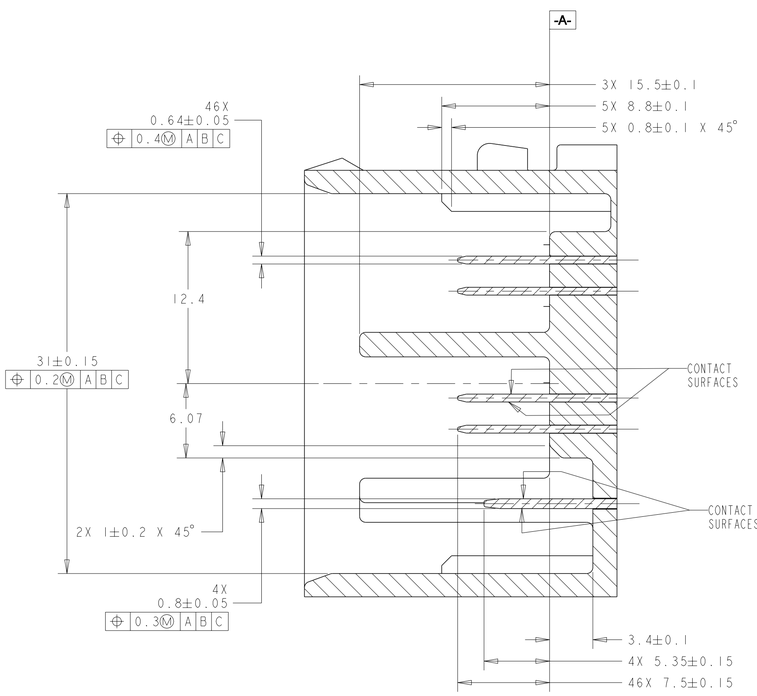
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

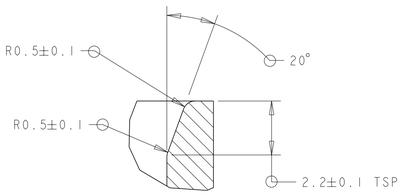


SCALE 2:1

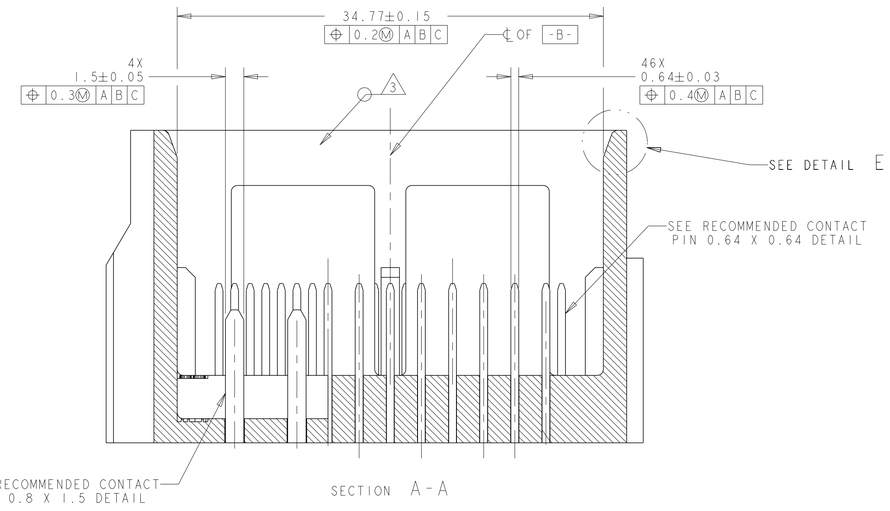




SECTION B-B



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-*

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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 B. VESTAL 15APR2005
CHK V. VALASEK 15APR2005
APVD T. VALASEK 15APR2005
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME 50-WAY HARNESS ASSEMBLY, PCM -

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

CUSTOMER DRAWING | SCALE 1:1 | SHEET 9 OF 10 | REV F37

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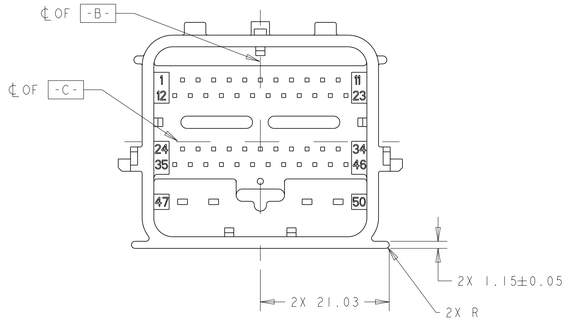
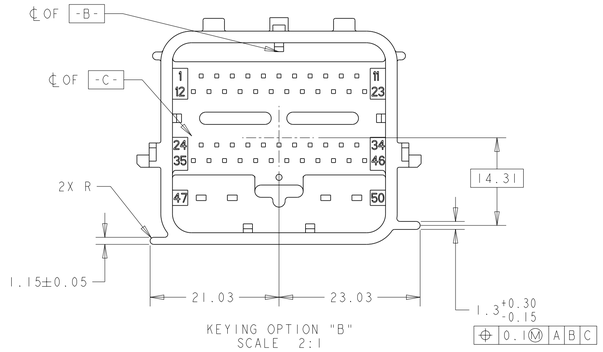
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

HEADER INTERFACE KEYING OPTIONS



KEYING OPTION "A"
SCALE 2:1



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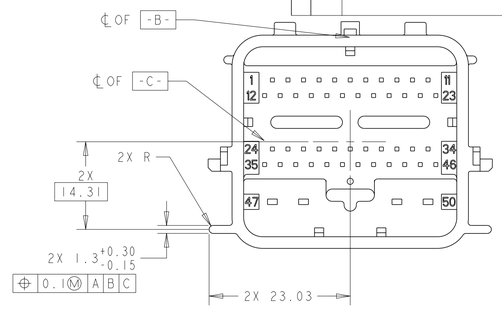
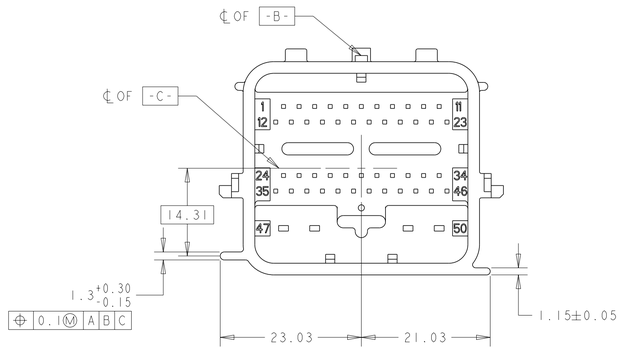


KEYING OPTION "C"
SCALE 2:1



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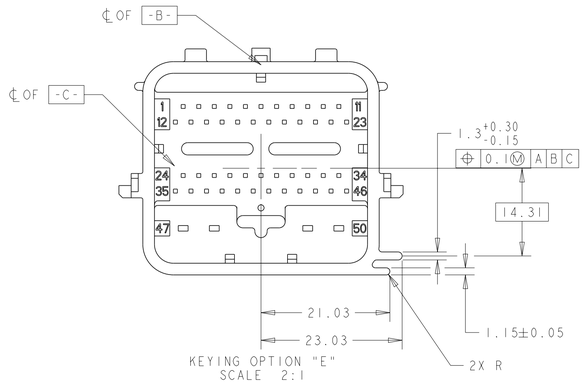
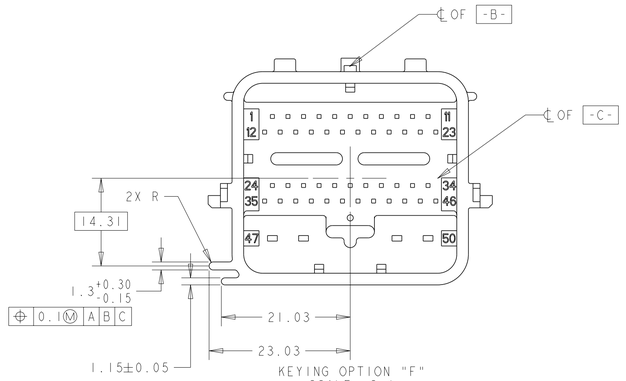
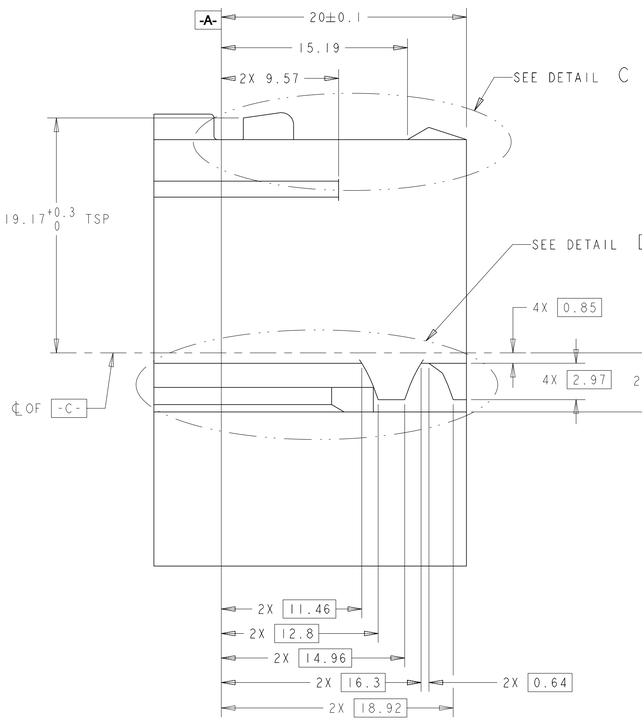
SCALE 2:1

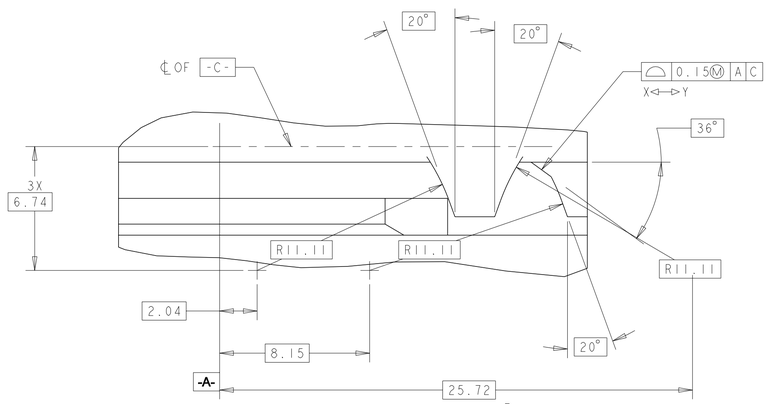


KEYING OPTION "E"
SCALE 2:1

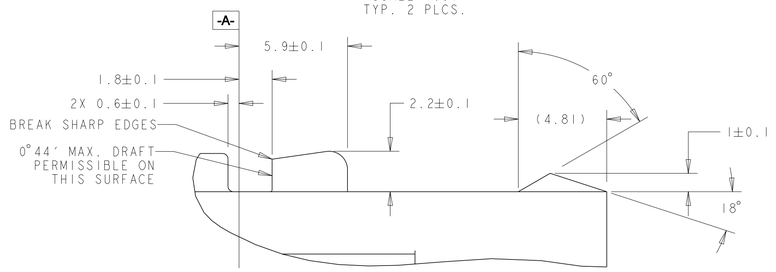


KEYING OPTION "F"
SCALE 2:1

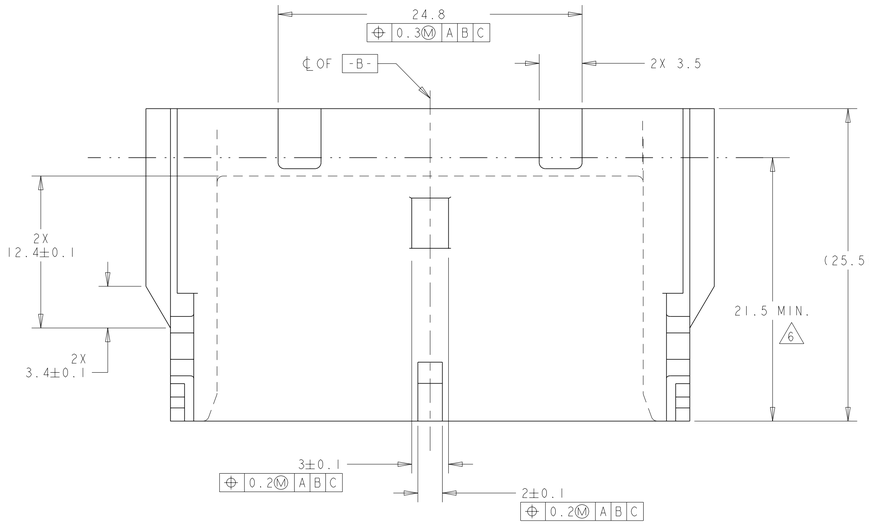




DETAIL D
SCALE 6:1
TYP. 2 PLCS.



DETAIL C
SCALE 6:1



THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R. VESTAL 15APR2005	TE Connectivity		
	CHK T. VALASEK 15APR2005			
DIMENSIONS: mm	APVD T. VALASEK 15APR2005	NAME 50-WAY HARNESS ASSEMBLY, PCM -		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±, 1 PLC ±0.3, 2 PLC ±0.10, 3 PLC ±, 4 PLC ±, ANGLES ±1°	PRODUCT SPEC -			
	APPLICATION SPEC -	SIZE A1	CAGE CODE 00779	DRAWING NO C-1438129
MATERIAL - -	WEIGHT -	RESTRICTED TO -		
FINISH - -	CUSTOMER DRAWING	SCALE 1:1	SHEET 10 OF 10	REV F37