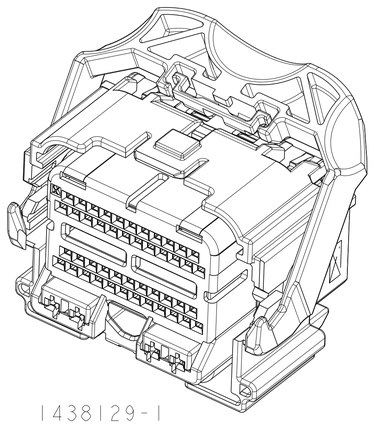
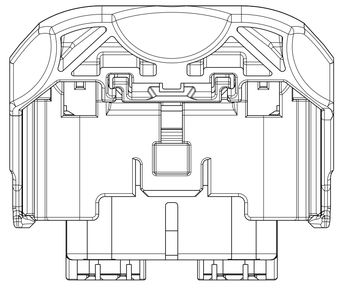
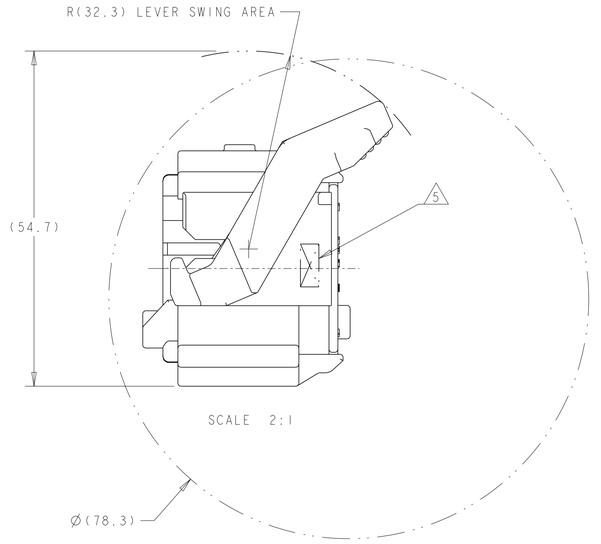
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	F34	REVISED PER ECO-17-007768	30MAY2017	DLD	DCM
	F35	REVISED PER ECO-17-014872	24OCT2017	JMS	CM
	F36	REVISED PER ECO-18-005691	16APR2018	JMS	CM
	F37	ECO-18-013134	13SEP2018	KP	CM



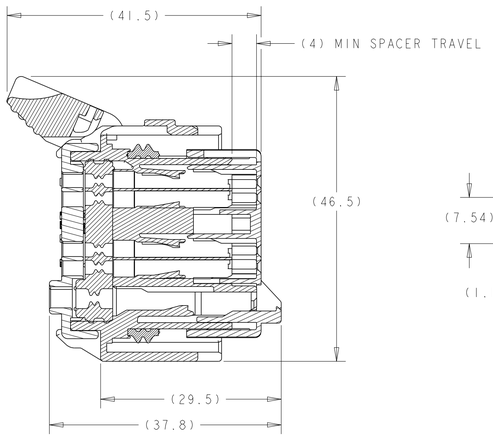
1438129-1
SHOWN WITH SPACER
IN SEATED POSITION



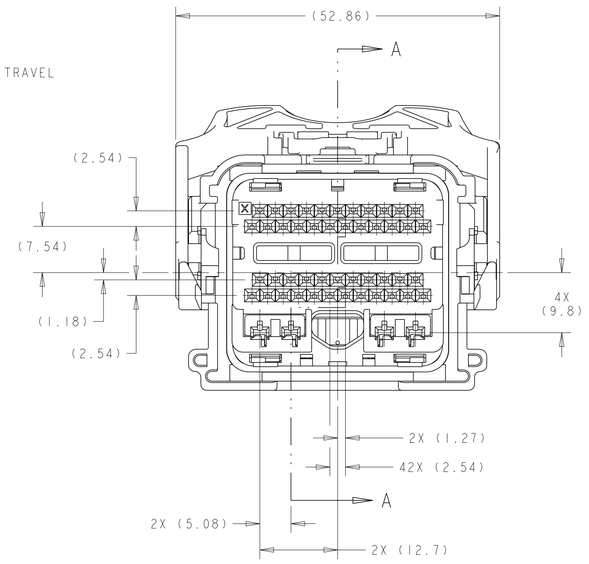


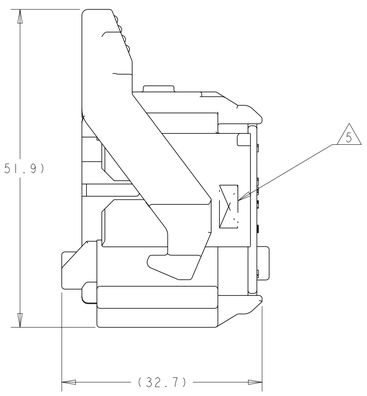
MIN. FEED THRU
CONDITION WITH 1mm
CLEARANCE ALL AROUND
SHOWN WITH SPACER IN SEATED POSITION

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.

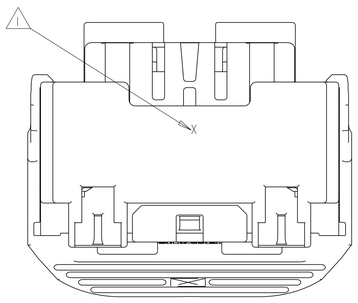


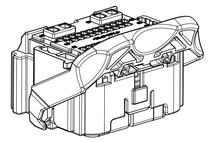
SECTION A-A
SPACER AND LEVER IN
PRE-SEATED POSITION
(DELIVERY CONDITION)





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	IL2T-14474-AA	1393366-1	COPPER ALLOY/TIN PLATE	20AWG 18AWG
TERMINAL - FEMALE (Sn)	0.64 (CAT. 0)	TIN	IL2T-14474-BA	1393367-1	COPPER ALLOY/TIN PLATE	22AWG
TERMINAL - FEMALE (Au)	0.64 (CAT. 0)	GOLD	IL2T-14474-CA	1393365-1	COPPER ALLOY/GOLD PLATE	20AWG 18AWG
TERMINAL - FEMALE (Au)	0.64 (CAT. 0)	GOLD	IL2T-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 -

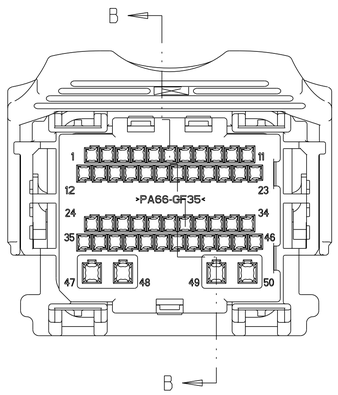
SIZE A1 | CAGE CODE 00779 | DRAWING NO C-1438129 | RESTRICTED TO -

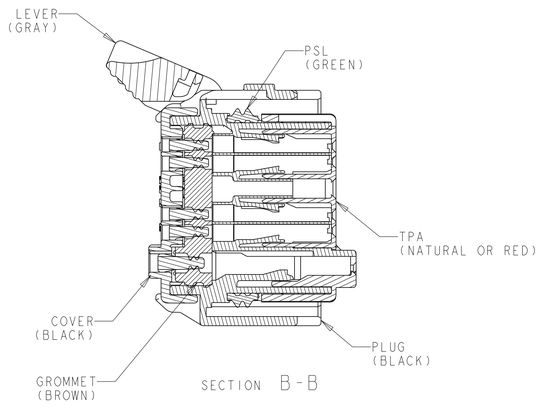
CUSTOMER DRAWING | SCALE 1:1 | SHEET 1 OF 10 | REV F37

4805 (3/13)

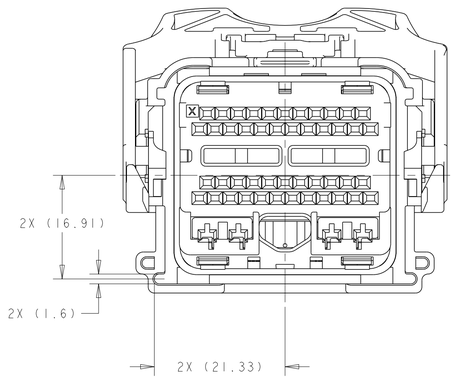
REVISIONS

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

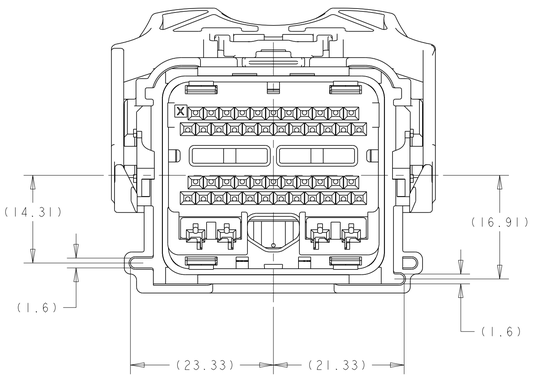




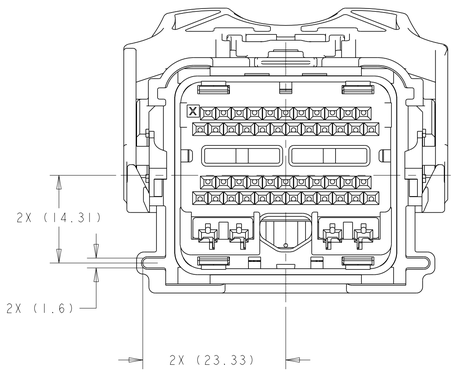
SECTION B-B



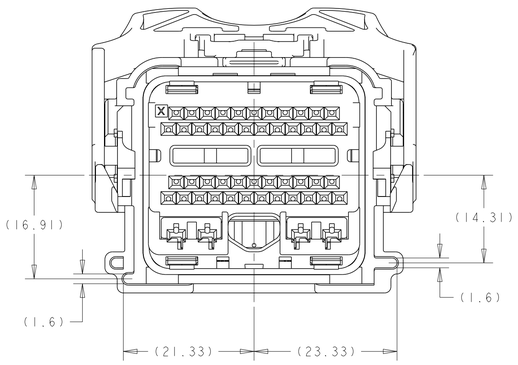
1438129-1
KEYING OPTION "A"



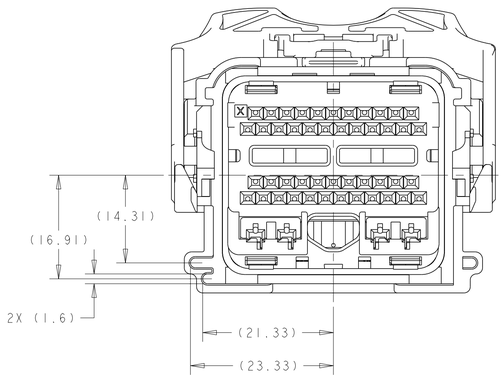
1438129-2
KEYING OPTION "B"



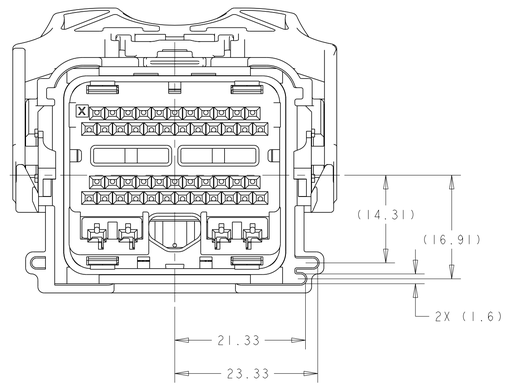
1438129-3
KEYING OPTION "C"



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 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

REVISIONS

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

KEYING OPTION A

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CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS

BLANK CAVITIES INDICATES OPEN TERMINAL HOLE LOCATIONS

TERMINAL HOLE POSITION

5S4T-14A464-L* 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 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 T37

4805 (3/13)

REVISIONS

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

KEYING OPTION B

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

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
				46			43	42													29		27	26	25	24		22													9		7						1	5-1438950-9	5S4T-14A464-MA-065
				46																		28	27														13				9								1	5-1438950-5	5S4T-14A464-MA-064
				46			43				39	38	37			34		32	31		29					24		22		20					15	14														5-1438950-4	5S4T-14A464-MA-063
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				46			43				39	38	37			34		32	31		29					24		22							15	14												2		5-1438950-0	5S4T-14A464-MA-059
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								42											31																15	14							7				3	2	1	4-1438950-7	5S4T-14A464-MA-056
				46			43	42			39	38	37				33		31				27		25			22				18		16								8	7					2		4-1438950-3	5S4T-14A464-MA-055
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				46							39		37			34		32	31		29					24		22							15															4-1438950-0	5S4T-14A464-MA-053
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				46			43				39	38	37				33						27		25			22				18		16								8	7							3-1438950-6	5S4T-14A464-MA-051
																	33	32					27														13				9						3		1	3-1438950-4	5S4T-14A464-MA-050
				46				42					37				33		31	30	29	28				24		22			19	18	17	16		14								6	5	4				3-1438950-0	5S4T-14A464-MA-049
				46				42					37				33		31	30	29	28				24		22			19	18	17	16		14							7	6	5	4				2-1438950-9	5S4T-14A464-MA-048
50				46				42					37				33		31	30	29	28	27			24		22			19	18	17	16		14							7	6	5	4				2-1438950-8	5S4T-14A464-MA-047
							43					38											27		25			22				18		16															1	2-1438950-7	5S4T-14A464-MA-046
50	49									40	39	38	37	36	35		33	32	31	30				26				22	21	20	19	18				14	13	12		10	9	8	7	6	5			2	1	2-1438950-6	5S4T-14A464-MA-045
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				46			43	42			39	38	37			34	33	32	31	30		28	27	26	25	24		22		20	19	18	17	16							9			6	5	4				1-1438950-8	5S4T-14A464-MA-042
				46			43	42				38	37			34		32	31	30	29	28	27	26	25	24		22		20	19	18	17	16							9			6	5	4				1-1438950-7	5S4T-14A464-MA-041
							43	42			39	38	37				33	32	31	30		28	27	26	25	24		22		20	19	18	17	16							9			6	5	4				1-1438950-4	5S4T-14A464-MA-040
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				46						40							33			30	29	28				24		22			19	18	17	16		14	13				9		7	6	5					1438950-8	5S4T-14A464-MA-037
							43				39						33													20					15															1438950-1	5S4T-14A464-MA-036
							43				39	38				34	33	32												20					15	14														9-1438129-9	5S4T-14A464-MA-035
				46			43				39		37				33				29		27		25			22		20		18		16	15							8							1	9-1438129-7	5S4T-14A464-MA-034
				46			43	42				38	37					32	31	30		28	27	26	25	24		22		20	19	18	17	16							9			6	5	4				9-1438129-5	5S4T-14A464-MA-033
								42			39	38	37				33				29							22				18		16	15	14						8						2	1	9-1438129-4	5S4T-14A464-MA-032
								42			39	38				34	33	32	31				27	26	25					20													7							9-1438129-3	5S4T-14A464-MA-031
				46							39		37			34		32	31		29					24		22							15													2		9-1438129-2	5S4T-14A464-MA-030
				46							39	38	37			34		32	31		29					24		22							15	14												2		9-1438129-1	5S4T-14A464-MA-029
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								42			39	38				34	33	32	31					26	25					20		18											7							6-1438129-5	5S4T-14A464-MA-018
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											39		37			34		32	31		29														15															6-1438129-1	5S4T-14A464-MA-016
								42			39																	22				18		16		14												2	1	5-1438129-3	5S4T-14A464-MA-015
											39																					18		16		14													1	5-1438129-2	5S4T-14A464-MA-014
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				46									37				33			30	29	28				24		22			19	18		16		14							7	6	5	4			1	2-1438129-5	5S4T-14A464-MA-005
50				46							39	38					33				29							22				18																		1-1438129-1	5S4T-14A464-MA-004
																																18																		1-1438129-0	5S4T-14A464-MA-003
											39	38									29		27			24				20		18		16		14						8					3		1	1438129-9	5S4T-14A464-MA-002
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																																																		1438129-2	5S4T-14A464-MA-000

TERMINAL HOLE POSITION (column numbers 50–1)

CAVITIES WITH A NUMERIC SYMBOL INDICATES CLOSED TERMINAL LOCATIONS

BLANK CAVITIES INDICATES OPEN TERMINAL HOLE LOCATIONS

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 4 OF 10 | REV F37

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	ASSEMBLY PART NUMBER	FORD PART NUMBER
43 42 41 40 39 38 37 34 33 32 29 28 27 26 25 24 22 20 18 17 16 15 13 9 7 6 5 4 3	50 46 43 42 39 37 34 33 32 30 29 28 27 24 22 19 18 17 16 15 14 6 5	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	6-1924783-8	5S4T-14A464-MA-094
46 43 41 40 39 38 37 34 33 32 31 30 29 28 27 26 25 24 22 20 19 17 16 15 14 9 8 7 5 4 2 1			6-1924783-3	5S4T-14A464-MA-093
33 32 27 9 3 1			4-1924783-3	5S4T-14A464-MA-092
42 40 39 34 33 32 29 26 20 15 13 9 7 3			2-1924783-4	5S4T-14A464-MA-091
46 43 42 39 34 33 32 29 26 25 22 15 14 9 7 1			2-1924783-2	5S4T-14A464-MA-090
42 39 34 33 31 27 25 22 20			1-1924783-9	5S4T-14A464-MA-089
42 39 34 33 31 25 22 20			1-1924783-8	5S4T-14A464-MA-088
46 43 42 39 34 33 32 29 26 25 22 15 14 9 7			1-1924783-4	5S4T-14A464-MA-087
43 39 34 33 32 29 15 14			1-1924783-3	5S4T-14A464-MA-086
43 41 40 39 38 37 34 32 31 29 20 15 14 13 3			1-1924783-2	5S4T-14A464-MA-085
43 42 38 31 29 27 25 22 20 18 16 15 1			1924783-8	5S4T-14A464-MA-084
43 42 38 31 27 25 22 20 18 16 15 1			1924783-7	5S4T-14A464-MA-083
43 42 38 31 29 27 25 22 18 16 15 1			1924783-3	5S4T-14A464-MA-082
43 42 38 31 27 25 22 18 16 15 1			1924783-2	5S4T-14A464-MA-081
46 28 27 9 1			9-1438950-9	5S4T-14A464-MA-080
42 39 34 33 32 31 26 25 20			9-1438950-6	5S4T-14A464-MA-079
42 39 34 33 32 31 27 26 25 20			9-1438950-5	5S4T-14A464-MA-078
43 34 33 32 29 15 14			9-1438950-4	5S4T-14A464-MA-077
46 28 13 9 1			9-1438950-1	5S4T-14A464-MA-076
46 43 42 39 38 37 33 31 27 25 22 18 16 7 2			8-1438950-9	5S4T-14A464-MA-075
46 43 39 38 37 33 27 25 22 18 16 7			8-1438950-8	5S4T-14A464-MA-074
45 44 40 39 38 37 36 35 34 33 32 31 30 28 27 26 25 24 23 21 20 19 18 17 16 13 10 9 8 7 6 5 4 3 2 1			8-1438950-7	5S4T-14A464-MA-073
43 39 38 33 30 20 19 15 14 13			7-1438950-7	5S4T-14A464-MA-072
43 39 33 30 20 19 15 13			7-1438950-5	5S4T-14A464-MA-071
43 39 34 33 32 20 15			7-1438950-4	5S4T-14A464-MA-070
42 41 40 39 38 34 33 32 29 26 20 15 14 13 9 7 3			6-1438950-9	5S4T-14A464-MA-069
43 38 29 27 25 22 18 16 1			6-1438950-5	5S4T-14A464-MA-068
	46 42 37 33 31 30 29 28 27 24 22 19 18 17 16 14 6 5		6-1438950-4	5S4T-14A464-MA-067
	46 42 37 33 31 30 29 28 24 22 19 18 17 16 14 6 5		6-1438950-3	5S4T-14A464-MA-066

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

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 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 5 OF 10 | REV F37

4805 (3/13)

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

KEYING OPTION C

| | | | | |

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

KEYING OPTION C

| | | | | |

REVISIONS

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

KEYING OPTION C

	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
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		

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 -

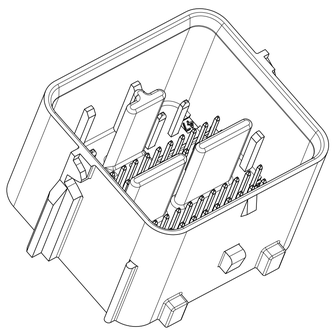
TE Connectivity

NAME 50-WAY HARNESS ASSEMBLY, PCM -

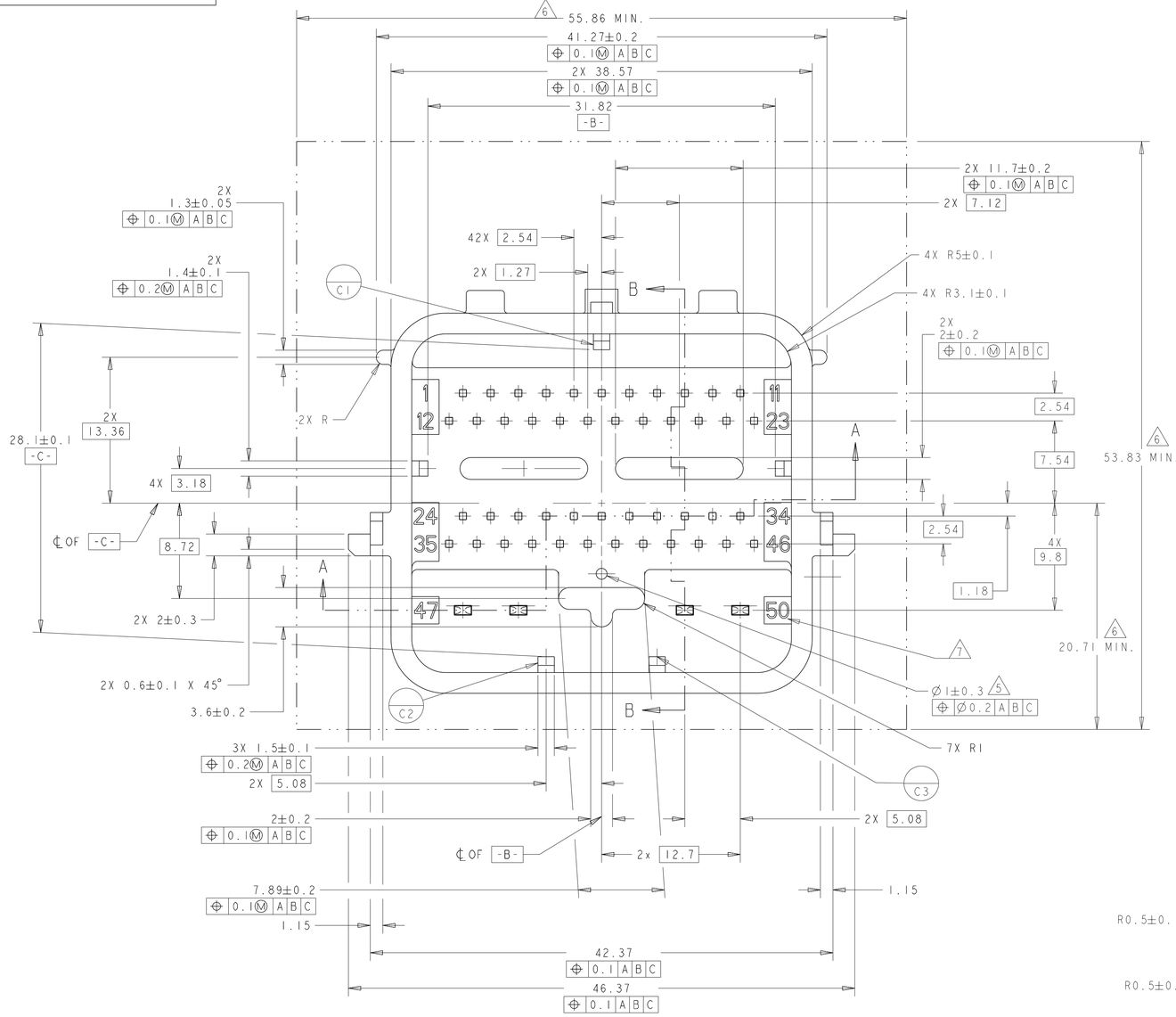
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1438129	-

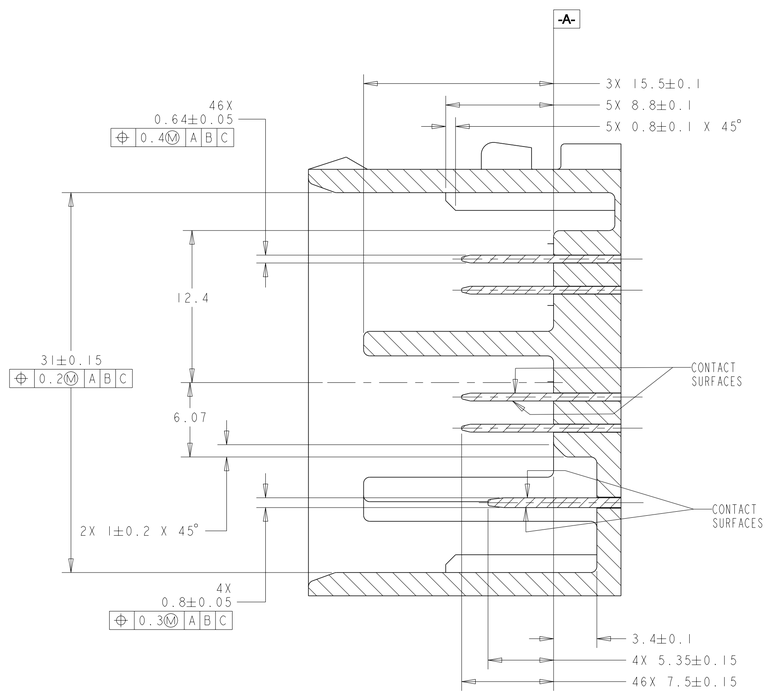
CUSTOMER DRAWING | SCALE 1:1 | SHEET 8 OF 10 | REV F37

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

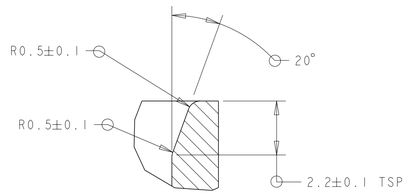


SCALE 2:1

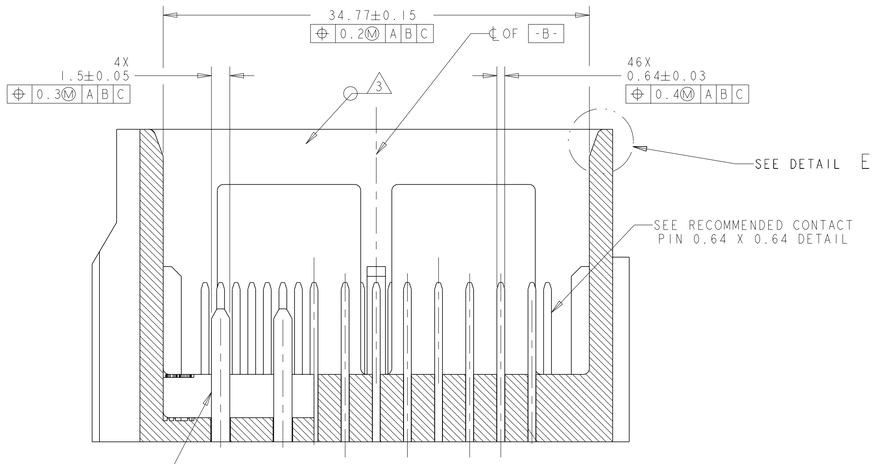




SECTION B-B



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

TE Connectivity

NAME 50-WAY HARNESS ASSEMBLY, PCM -

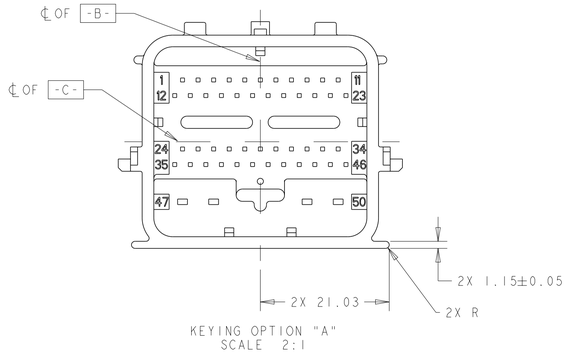
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1438129	-

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

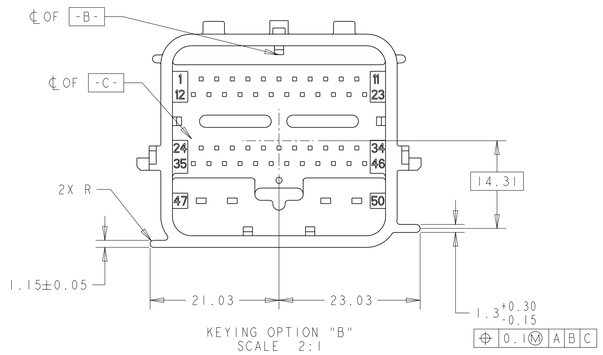
REVISIONS

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

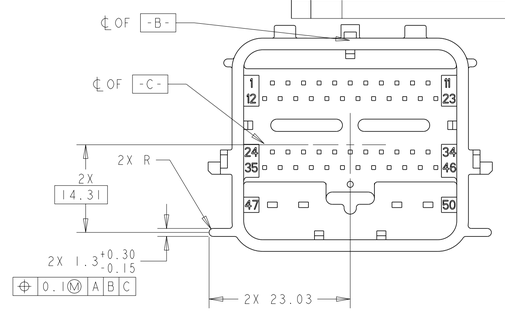
HEADER INTERFACE KEYING OPTIONS



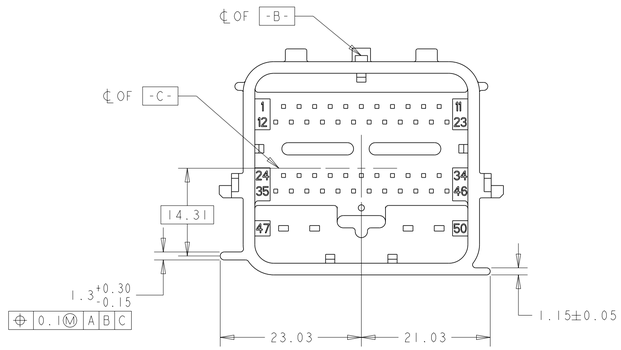
KEYING OPTION "A"
SCALE 2:1



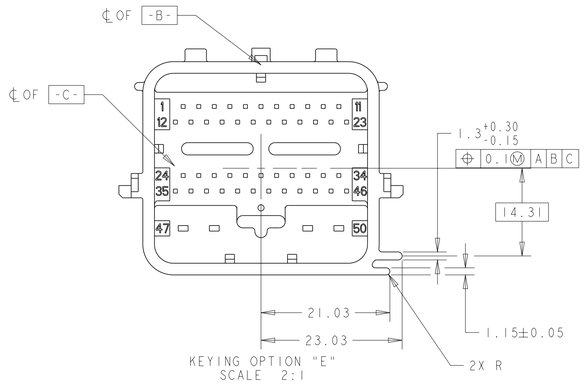
KEYING OPTION "B"
SCALE 2:1



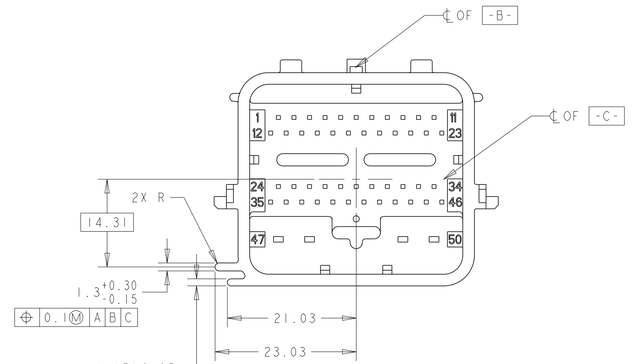
KEYING OPTION "C"
SCALE 2:1



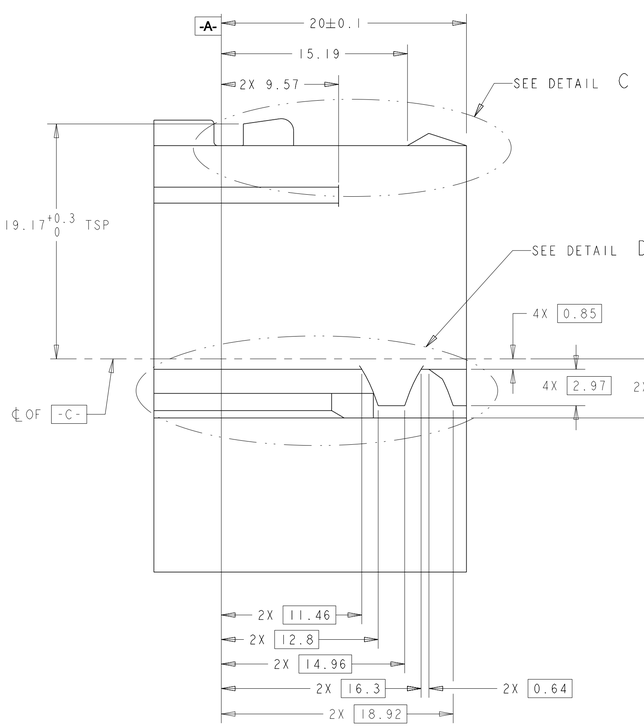
KEYING OPTION "D"
SCALE 2:1

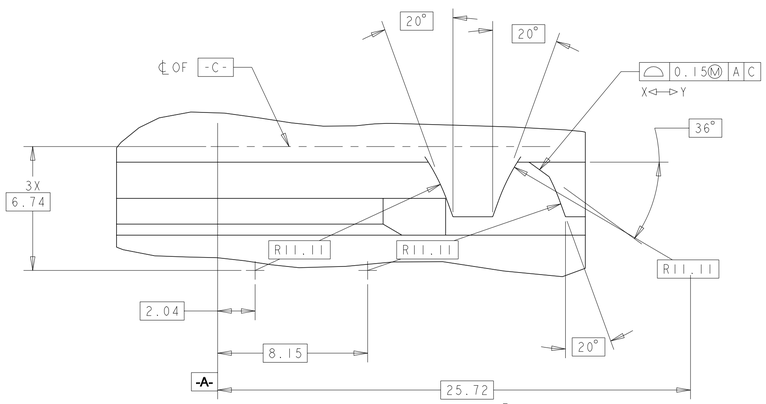


KEYING OPTION "E"
SCALE 2:1

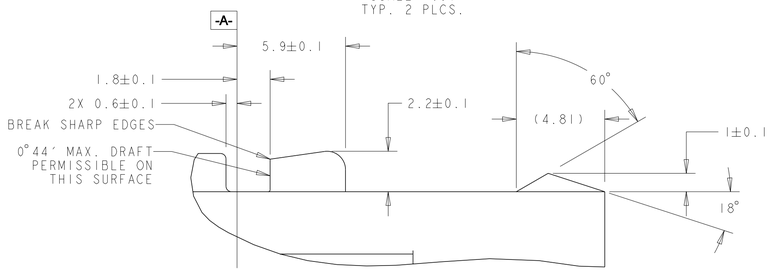


KEYING OPTION "F"
SCALE 2:1

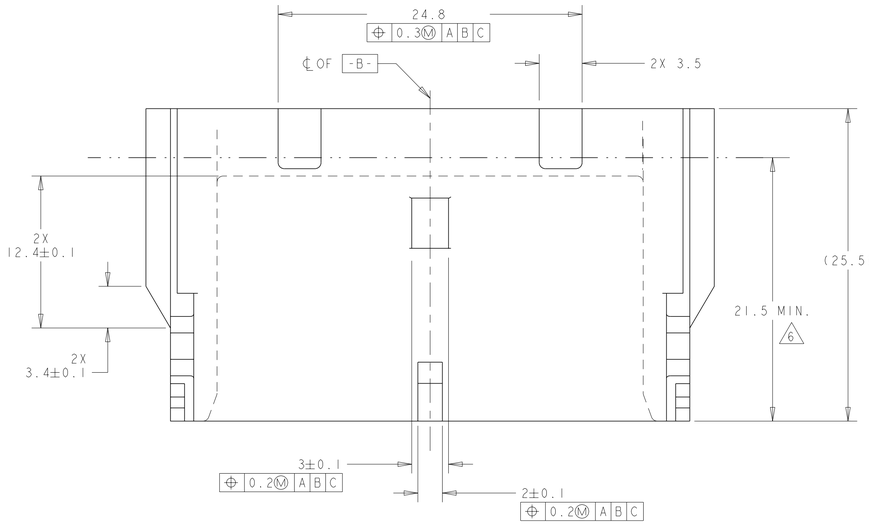




DETAIL D
SCALE 6:1
TYP. 2 PLCS.



DETAIL C
SCALE 6:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. VESTAL 15APR2005	TE Connectivity
		CHK T. VALASEK 15APR2005	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±- 4 PLC ±- ANGLES ±1°	APVD T. VALASEK 15APR2005	NAME 50-WAY HARNESS ASSEMBLY, PCM -
		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 F37

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