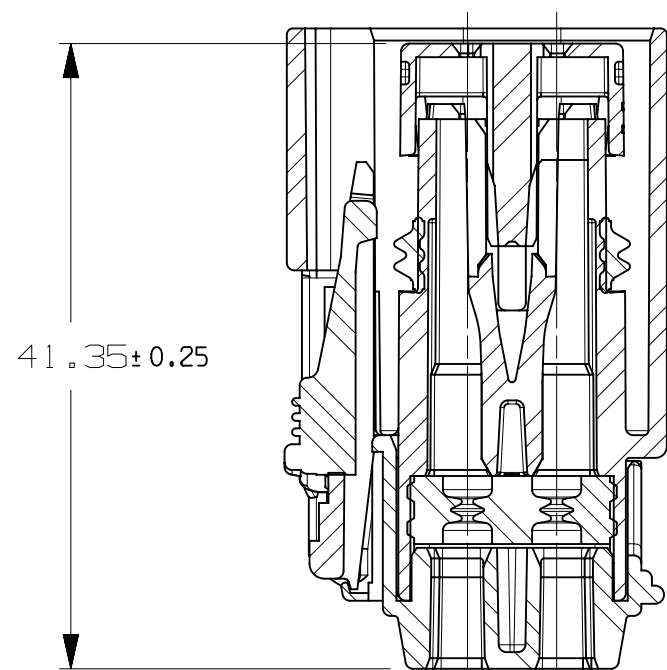
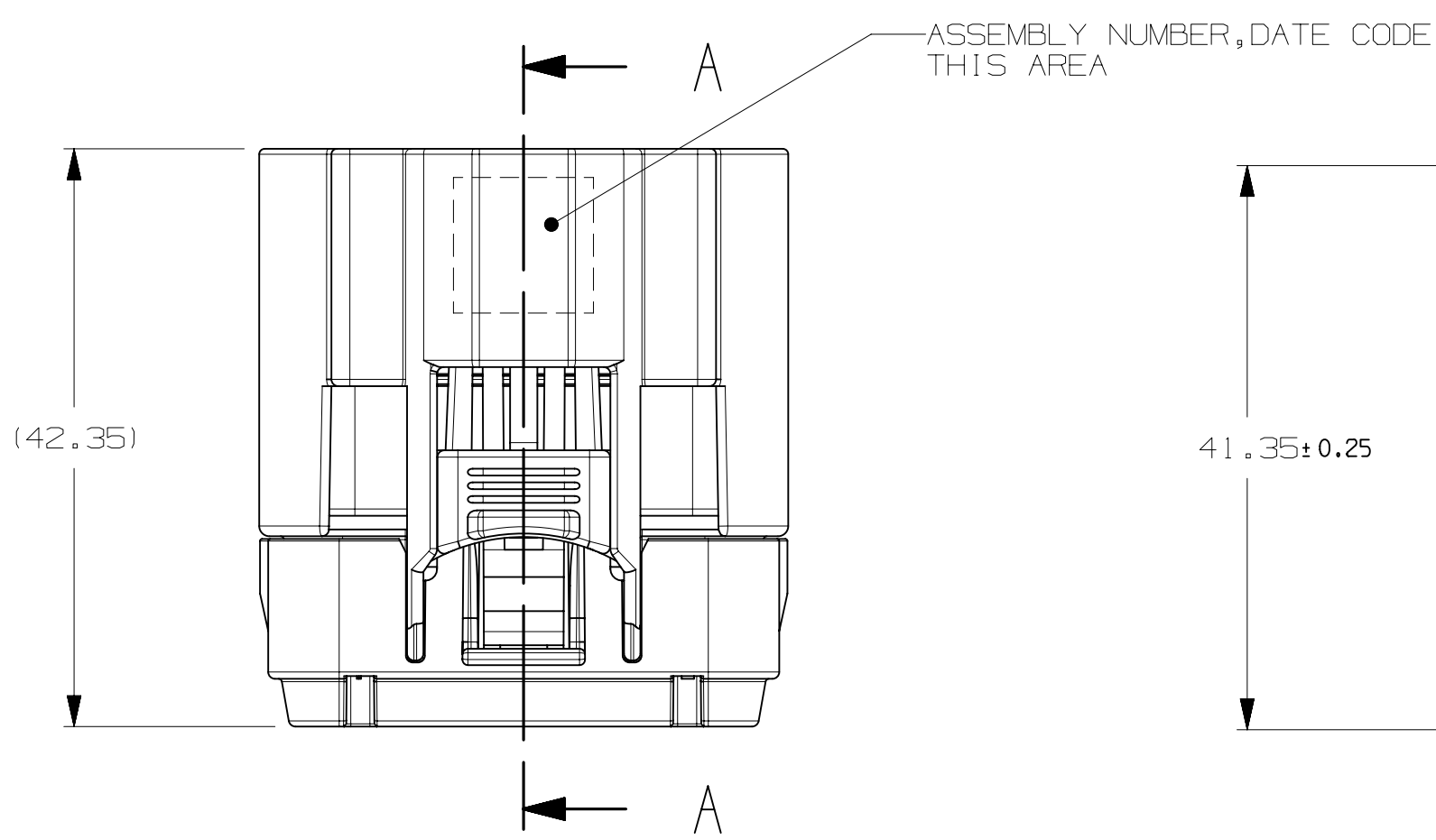
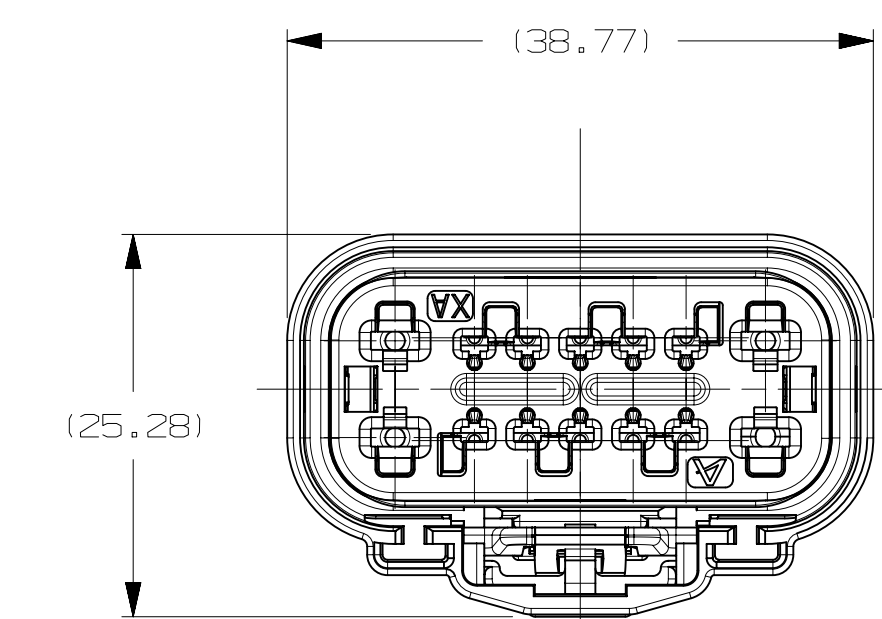
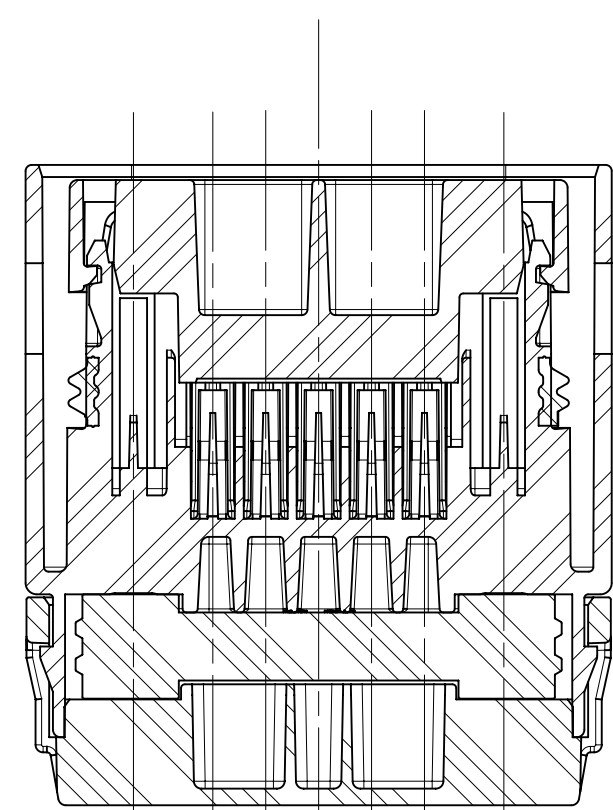


	ASSEMBLY NUMBERS				REV LEVEL		KEY OPTIONS	COLOR	COMPONENTS						Plugged (X) Seal Positions														OPEN CIRCUITS			MATING P/N REFERENCE			
	WITH CPA		W/O CPA		MVL	APTIV			HOUSING		TPA		RETAINER		2,8 ---1,5--- 2,8 ---1,5--- 2,8														1,5	2,8	TOTAL	MVL	APTIV		
	MVL	APTIV	MVL	APTIV					MVL	APTIV	MVL	APTIV	MVL	APTIV	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
R	55251400	13878050	55251400N	33500361	F	02	A	BLACK	55251488	33511972	-	3393604																						-	-
	55251401	15503430	55251401N	33500362	F	01	B	GREY	55251489	33503671																							-	-	
	55251402	33512096	55251402N	33500363	F	01	C	BROWN	55251490	33503672	55251498	33511974																					-	-	
	55251403	33500219	55251403N	33500364	F	01	D	GREEN	55251491	33503673																							-	-	
	55251404	13977360	55251404N	33500365	N	01	E	YELLOW	55251492	33503674																							-	-	
	55251405	33500220	55251405N	33500366	N	01	F	YELLOW	55251493	33503675																							-	-	
	55251406	33500221	55251406N	33500367	N	01	G	YELLOW	55251494	33503676																							-	-	
	55251407	33500222	55251407N	33500368	N	01	H	YELLOW	55251495	33503677																							-	-	
Q	55251408	33500223	55251408N	33500369	F	01	A	BLACK	55251498	33511972																							-	-	
	55251409	33500224	55251409N	33500370	F	01	B	GREY	55251499	33503671																							-	-	
	55251410	33500225	55251410N	33500371	F	01	A	BLACK	55251498	33511972																							-	-	
	55251411	33500226	55251411N	33500372	F	01	B	GREY	55251499	33503671																							-	-	
	55251412	33500227	55251412N	33500373	F	01	A	BLACK	55251498	33511972																							-	-	
	55251413	33500228	55251413N	33500374	F	01	B	GREY	55251499	33503671																							-	-	
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P	55251416	33500231	55251416N	33500377	F	01	A	BLACK	55251498	33511972																							-	-	
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	55251419	33511513	55251419N	33511592	F	01	B	GREY	55251499	33503671	55251498	33511974																					-	-	
	55261400	33511514	55261400N	33511593	F	01																											54261400	33511657	
	55261401	33511515	55261401N	33511594	F	01																											54261401	33511658	
	55261402	33511516	55261402N	33511595	F	01																											54261402	33511659	
	55261403	33511517	55261403N	33511596	F	01																											54261403	33511660	
O	55261404	33511518	55261404N	33511597	F	01																											54261404	33511661	
	55261405	33511519	55261405N	33511598	F	01																											54261405	33511662	
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	55261409	33511523	55261409N	33511602	F	01																											54261409	33511666	
	55261410	33511524	55261410N	33511603	F	01																											54261410	33511667	
	55261411	33511525	-	-																													54261411	33511668	
N	55261412	33511526	-	-																													54261412	33511669	
	55261413	33511527	-	-																													54261413	33511670	
	55261414	33511528	-	-																													54261414	33511671	
	55261415	33511529	-	-																													54261415	33511672	
	55261416	33511530	-	-																													-	-	
	55261417	33511531	-	-																													-	-	
	55261418	33511532	-	-																													-	-	
	55261419	33511533	-	-																													-	-	
M	55261420	33511534	-	-																													-	-	
	55261421	33511535	-	-																													-	-	
	55261422	33511536	55261422N	33502054	N	01																											54261419	33511673	
	55261423	33511537	55261423N	33502055	N	01																											54261420	33511674	
	55261424	33511538	55261424N	33511604	H	01																											54261421	33511675	
	55261425	33511539	55261425N	33511605	H	01																											54261422	33511676	
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	55261427	33511541	55261427N	33511607	H	01																											54261424	33511678	
L	55261428	33511542	55261428N	33511608	H	01																											54261425	33511679	
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	55261430																																		

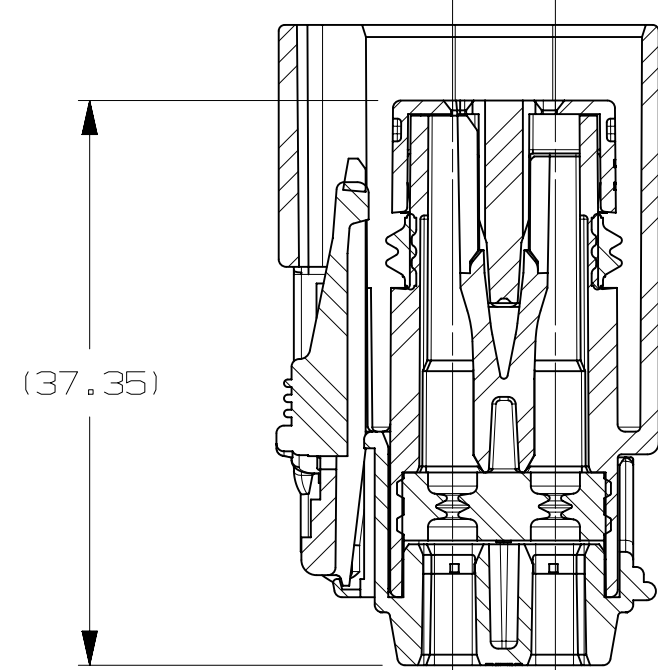


SECTION A - A

CPA & TPA IN PRE-ASSEMBLED POSITION

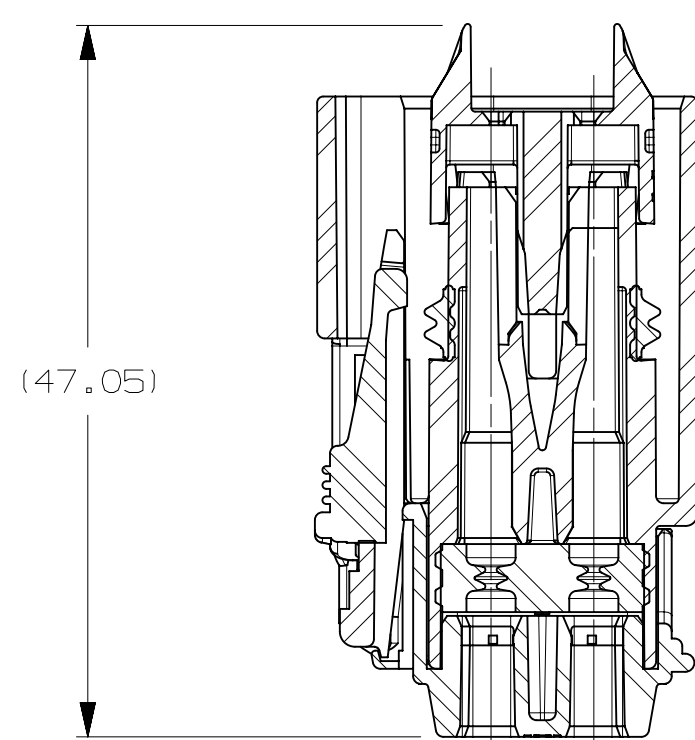
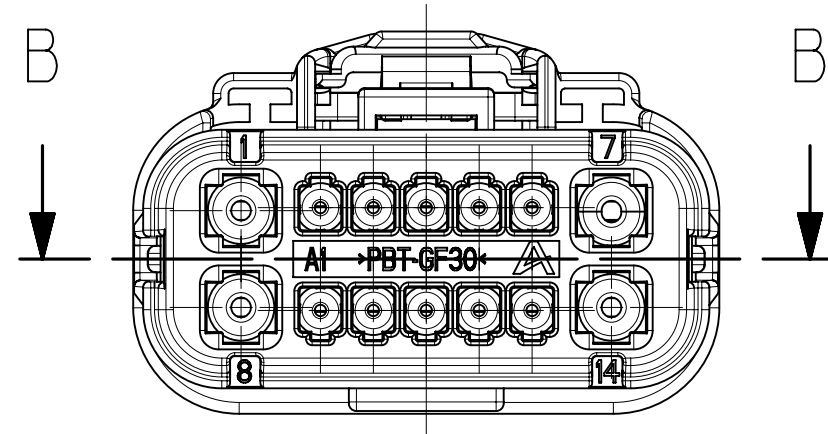


SECTION B - B



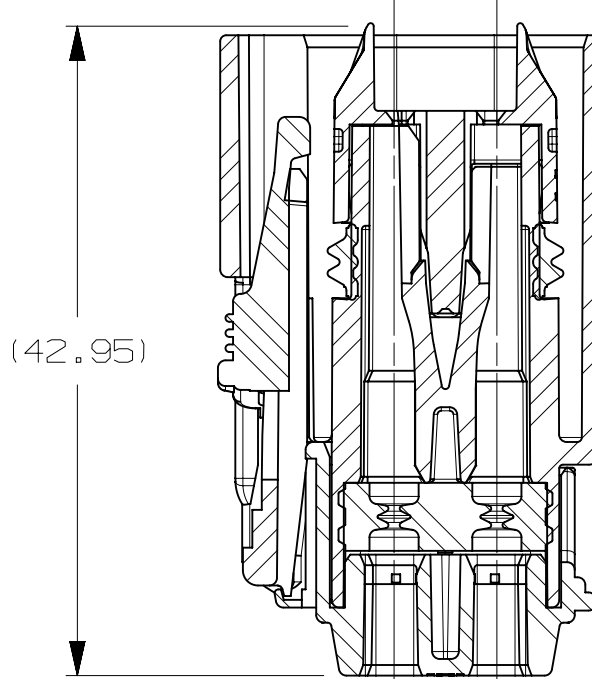
SECTION A - A

CPA & TPA IN FINAL POSITION



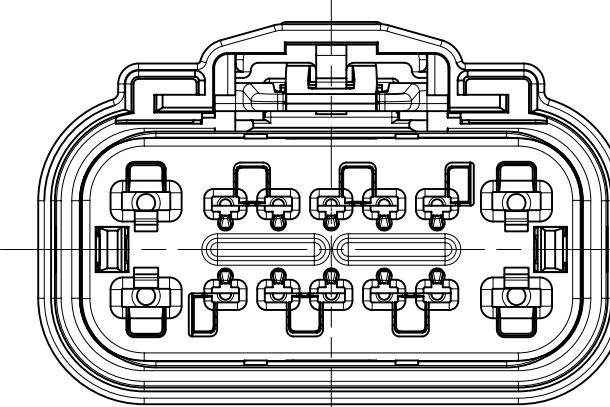
SECTION A - A

TPA IN PRE-LOCK POSITION

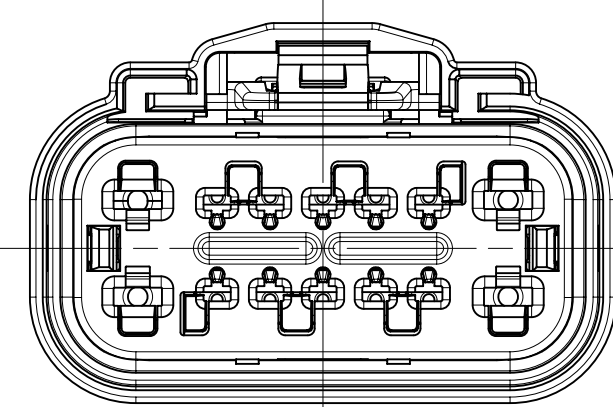


SECTION A - A

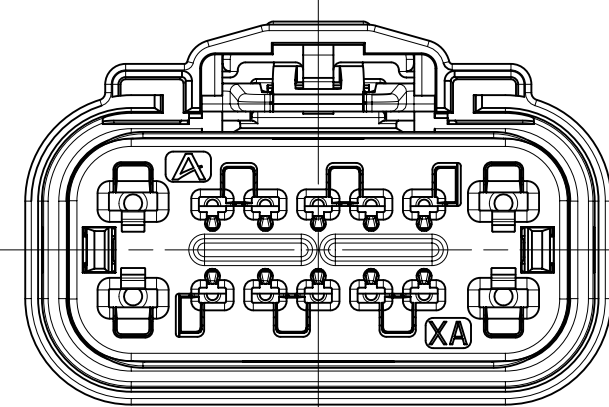
TPA IN FINAL LOCK POSITION



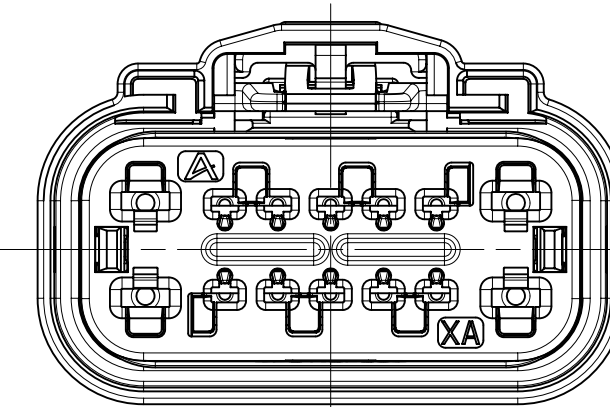
"OPTION - A"



"OPTION - B"

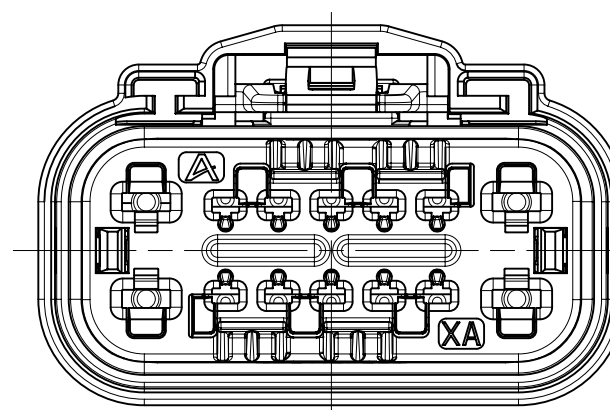


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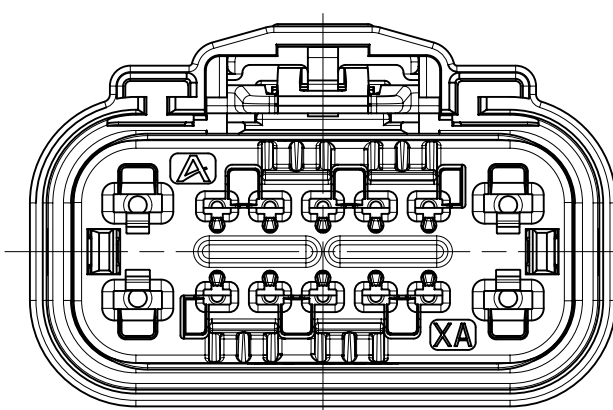


"OPTION - D"

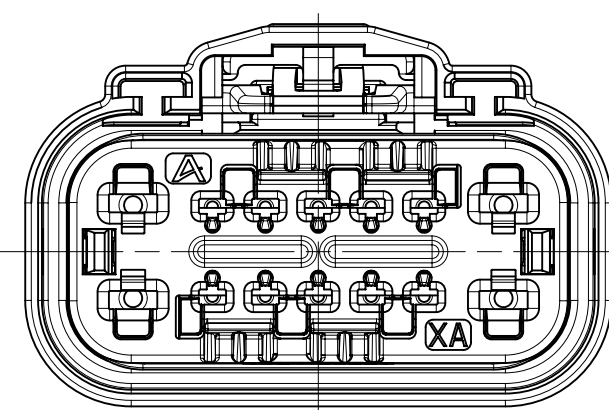
FEMALE ASSEMBLY WITHOUT SHORTING BAR ACTUATING CAM



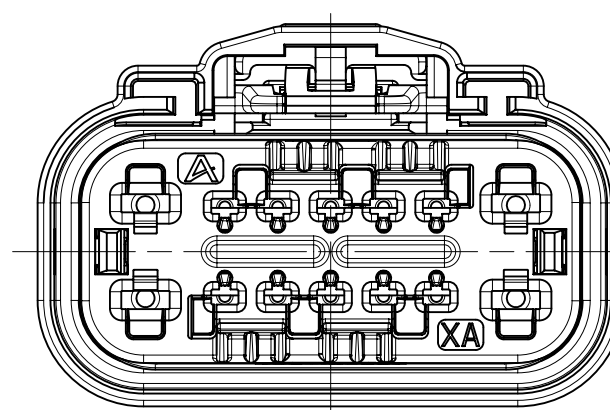
"OPTION - E"



"OPTION - F"



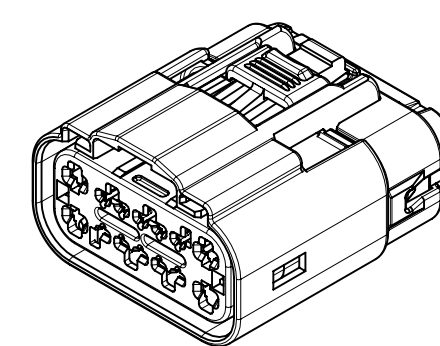
"OPTION - G"



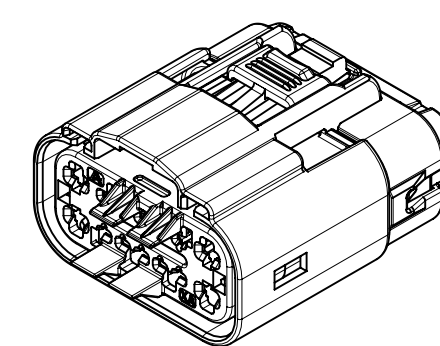
"OPTION - H"

FEMALE ASSEMBLY WITH SHORTING BAR ACTUATING CAM ON TPA

POLARIZATION OPTIONS



VIEW WITHOUT SHORTING
BAR ACTUATING CAM



VIEW WITH SHORTING BAR CAM

ISO-VIEWS, FULL SIZE

NOTES:

- 1) TEMPERATURE CLASS: 3 (-40° C to +125° C)
- 2) SEE CHART FOR TEST METHOD
SEE CHART
- 3) CONNECTOR MAY BE USED WITH THE FOLLOWING RANGE OF WIRE SIZES AND TYPES:
-APEX 150 TERMINALS:
-SIZE : 22AWG TO 16AWG (Ø 1,50 to Ø 2,41 INSULATION O.D.)
-TYPE : TXL (MIL123-A / MS-6268)
ALTERNATELY :
-SIZE : 0,75mm² TO 1,0mm² (Ø 1,70 to Ø 2,40 INSULATION O.D.)
-TYPE : FLR2X (125° C PE-X) or FLRYW (125° C PVC)
(STRUCTURE & PROPERTIES PER 1506722)
-APEX 2,8 TERMINALS:
-SIZE : 18AWG TO 12AWG (Ø 1,90 to Ø 3,35 INSULATION O.D.)
-TYPE : TXL (MIL123-A / MS-6268)
ALTERNATELY :
-SIZE : 1,00mm² TO 2,50mm² (Ø 1,90 to Ø 3,00 INSULATION O.D.)
-TYPE : FLR2X (125° C PE-X) or FLRYW (125° C PVC)
(STRUCTURE & PROPERTIES PER 1506722)
-CONTACT MVL ENGINEERING REGARDING USE OF OTHER WIRE SIZES AND/OR TYPES
- 4) CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS:
-MVL APEX150 AND APEX 2,8 WITH WIRE SIZES DEFINED IN NOTE 3
SEE MVL DRAWINGS J54009-CUST AND C15004-CUST FOR SPECIFIC PART NUMBERS AND CRIMPING REQUIREMENTS.
-CONTACT MVL ENGINEERING REGARDING USE OF COMPATIBLE NON DELPHI TERMINALS
- 5) ANNUAL QUALITY REQUIREMENTS:
IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER MVL SPECIFICATION *AQA-001 INSTEAD OF ANNUAL LAYOUT AND ANNUAL PV REQUIREMENTS OF 05-9000 SECTION 2 AND SAE/USCAR-2, REV.4 FOR TERMINALS TO CONNECTOR AND TPA TO CONNECTOR ONLY
- 6) PART VALIDATION:
SHORTING BAR PER SAE/USCAR-2 REV.4 TEMP CLASS 1 (-40° C +85° C)
IN-LINE PER SAE/USCAR-2 REV.4 TEMP CLASS 3 (-40° C +125° C)
IN-LINE PER SAE/USCAR-20 REV.2

APPLICABLE COMPONENTS				
SUPPLIER		ITEM DESCRIPTION	PLATING OR COLOR	GRIP SIZE
MVL	APTIV			
54001625	13613157	APEX 150 TERMINAL	TIN	16,18
54002000	13624983	APEX 150 TERMINAL	TIN	20,22
54001627	13779834	APEX 150 TERMINAL	GOLD	16,18
54002002	13725913	APEX 150 TERMINAL	GOLD	20,22
54001208	15422738	APEX 2,8 TERMINAL	TIN	12
54001400	10762803	APEX 2,8 TERMINAL	TIN	14,16
54001800	10757690	APEX 2,8 TERMINAL	TIN	18
54001402	10762770	APEX 2,8 TERMINAL	TIN	14
54001802	10762772	APEX 2,8 TERMINAL	TIN	18
54240002	13770939	APEX 150 2,8mm SEAL PLUG - FEMALE	NATURAL	-
54241629	13613164	APEX 150 UNIVERSAL SEAL PLUG	NATURAL	-
F379410	13979933	APEX 2,8 TERMINAL	TIN	14,16
F176410	15543466	APEX 2,8 TERMINAL	TIN	18,20

COMMON PART NUMBER CHART ONE EACH INCLUDED IN ASSEMBLY			
ITEM	PART NUMBERS		MATERIAL
	MVL	APTIV	
5	54241687	33503299	RING SEAL SILICONE
6	54251497	33511964	MATT SEAL SILICONE

SEE SHEET #1 FOR REVISION RECORD									
EDNG.	ZONE	OWNER DESCRIPTION							
PROJECT NO.	INDUSTRY NO.	APPLICATION NO.	COPYRIGHT APTIV CORPORATION AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. REVISED THIS DRAWING IS THE PROPERTY OF APTIV CORPORATION AND CANNOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM APTIV CORPORATION.						
APEX 150									
TECHNICAL	SEE DRAWING	MATERIAL	SEE EXPLODED VIEWS						
DESIGNER	K53001	COLL. NO.	A-130	REV. NO.	REV. 1	REV. 2	REV. 3	REV. 4	REV. 5
DATE	2004-04-08	TIME	10:00	DATE	2004-04-08	TIME	10:00	DATE	2004-04-08
PROJECT	ASSEMBLY 14-WAY HYBRID FEMALE	PROJECT	ASSEMBLY 14-WAY HYBRID FEMALE	PROJECT	ASSEMBLY 14-WAY HYBRID FEMALE	PROJECT	ASSEMBLY 14-WAY HYBRID FEMALE	PROJECT	ASSEMBLY 14-WAY HYBRID FEMALE
STATE	FL	STATE	FL	STATE	FL	STATE	FL	STATE	FL
REV. NO.	1	REV. NO.	1	REV. NO.	1	REV. NO.	1	REV. NO.	1
FILE NAME	K53002	FILE NAME	K53002	FILE NAME	K53002	FILE NAME	K53002	FILE NAME	K53002