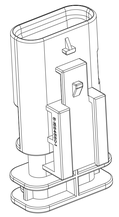
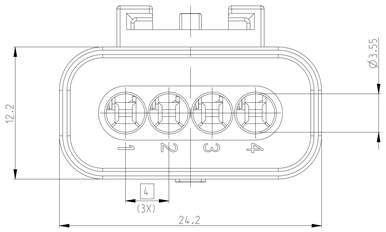
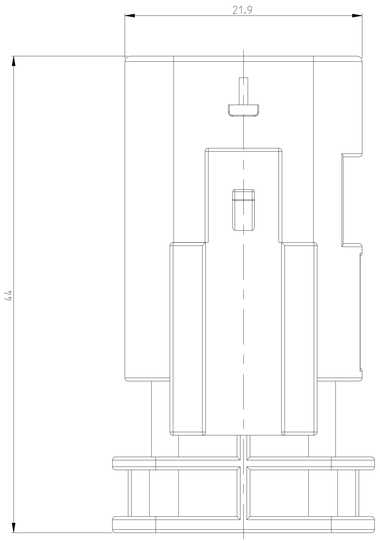
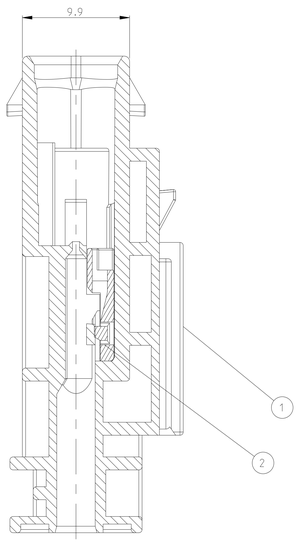
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 2007
© COPYRIGHT 2007 - ALL RIGHTS RESERVED.

SHOWN 1-1564559-1

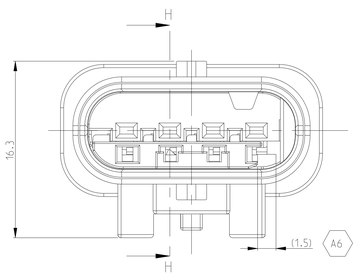




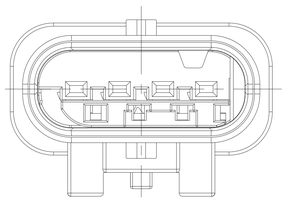




RETAINER IN PRE LOCKED POSITION
Kontaktsicherung in Vorraststellung



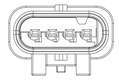
RETAINER IN FINAL LOCKED POSITION
2. Kontaktsicherung in Endraststellung



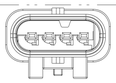
RETAINER MOVING DIRECTION
2. Kontaktsicherung Verschiebeweg

勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
http://www.100y.com.tw

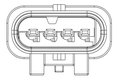
CODINGS
2:1



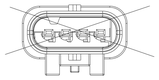
A 1-1564559-1 (BLACK)
1-1564559-4 (YELLOW FOR GM)
5-1564559-1 (BLUE)



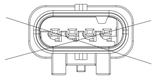
B 2-1564559-1 (GREY)
2-1564559-4 (YELLOW FOR GM)



C 3-1564559-1
3-1564559-4 (YELLOW FOR GM)

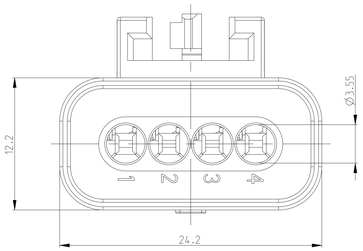


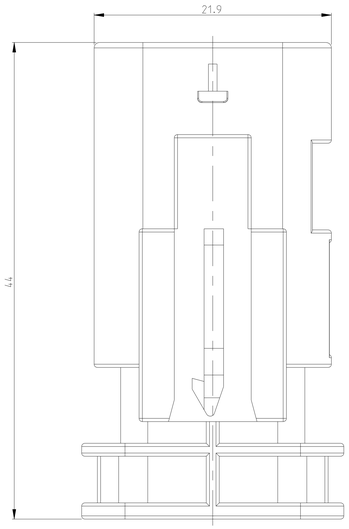
D 4-1564559-1

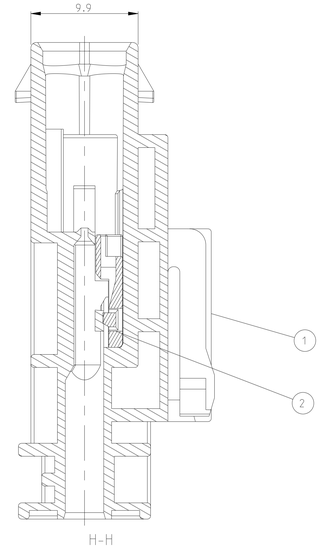


Z 5-1564559-1

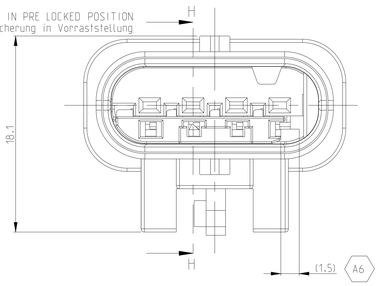
SHOWN 1-1564559-2



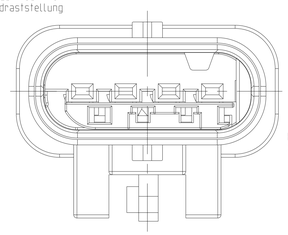




RETAINER IN PRE LOCKED POSITION
Kontaktsicherung in Vorraststellung

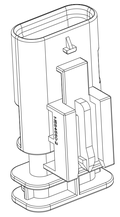


RETAINER IN FINAL LOCKED POSITION
2.Kontaktsicherung in Endraststellung



RETAINER MOVING DIRECTION
2.Kontaktsicherung Verschiebeweg

REGRIND MAX. 25%

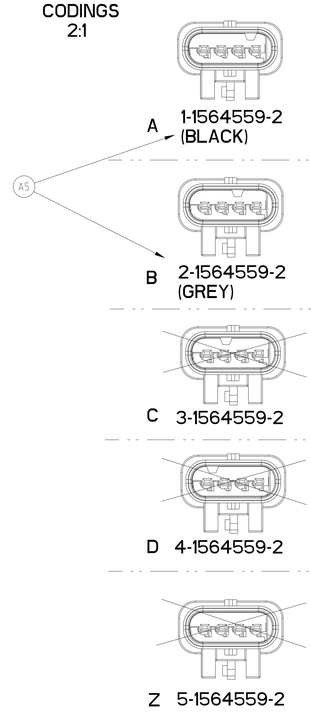


LOC	DIST
A1	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A4	PCN E-11-008327	19APR2011	MT	HR
	A5	PCN-E-14-014884	06OCT2014	MT	HR
	A6	PCN-21-119051	28OCT2021	BV	LSZ
	A7	ECN-23-224821	02AUG2023	LSZ	SZN

CODINGS
2:1



USED MCON 1.2mm LL MALE TERMINALS AND SEALS			
TE-PN. TERMINALS	WIRE RANGE	TE-PN. SINGLE WIRE SEAL	TE-PN. BLIND PLUG
2141868	0.08 - 0.22mm²	967067-2	967056-1
1718758	0.25 - 0.35mm²	967067-2	
1718760	0.5 - 0.75mm²	967067-1	
1718762	1mm²	967067-1	
TERMINAL TE-APPLICATION SPEC.: 114-18464.			

	TE-Bestell-Nr. ORDER-NO.	ASSY REV.	CODE	Benennung TITLE	QTY	Benennung Einzelteil TITLE	Werkstoff MATERIAL	Oberflaeche/Farbe SURFACE/COLOUR	Pos. ITEM
-	5-1564559-2	A	Z	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	schwarz/BLACK	1z
-	4-1564559-2	A	D	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	schwarz/BLACK	1d
-	3-1564559-2	A	C	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	schwarz/BLACK	1c
2-1670918-2	2-1564559-2	A	B	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	grau/GREY	1b
1-1670918-2	1-1564559-2	A	A	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	schwarz/BLACK	1a
1-1670918-1	5-1564559-1	A	A	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	blau/BLUE	1
3-1670918-1	3-1564559-4	A	C	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	gelb/YELLOW	1c
2-1670918-1	2-1564559-4	A	B	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	gelb/YELLOW	1a
1-1670918-1	1-1564559-4	A	A	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	gelb/YELLOW	1a
-	5-1564559-1	A	Z	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	schwarz/BLACK	1z
-	4-1564559-1	A	D	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	schwarz/BLACK	1d
-	3-1564559-1	A	C	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	schwarz/BLACK	1c
2-1670918-1	2-1564559-1	A	B	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	grau/GREY	1b
1-1670918-1	1-1564559-1	A	A	Stiftgehaeuse 4pol. MALE HOUSING 4POS.	1	Kontaktsicherung RETAINER	PA66-GF35	violett/VIOLET	2
					1	Stiftgehaeuse MALE HOUSING	PBT-GF30	schwarz/BLACK	1a

TE SUITABLE FEMALE HSG. PASSENDE BUCHSENGEH.	TE-Bestell-Nr. ORDER-NO.	ASSY REV.	CODE	Benennung TITLE	QTY	Benennung Einzelteil TITLE	Werkstoff MATERIAL	Oberflaeche/Farbe SURFACE/COLOUR	Pos. ITEM

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.5
1 PLC ±0.5
2 PLC ±0.5
3 PLC ±0.5
4 PLC ±0.5
ANGLES ±1°

MATERIAL -
FINISH -
WEIGHT 6.76g

DWN A.LOECSER 07JUL2008
CHK H. RIPPER 07JUL2008
APVD G. MUMPER 08JUL2008
PRODUCT SPEC 108-94177-1
APPLICATION SPEC 114-18910-1

TE Connectivity

NAME MALE HOUSING, 4Pos., MCON 1.2 SEALED TOP / SIDE LATCH
Stiftgehäuse, 4pol., MCON 1.2 gedichtet

SIZE A0 | CAGE CODE 00779 | DRAWING NO C-1564559 | RESTRICTED TO

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV A7

1.2mm MCON LL SEALED MALE HOUSINGS FAMILY

TABLE OF CONTENTS

1 GENERAL
1.1 PURPOSE
1.2 CUSTOMER DRAWINGS
1.3 SPECIFICATION

2 MALE HOUSING FAMILY OVERVIEW

3 MALE HOUSING
3.1 DELIVERY STATUS
3.2 HOUSING LOADING WITH TERMINALS
3.3 ADDITIONAL INSTRUCTION FOR 2 WAY (VERSION RETAINER MOVING)
3.4 RETAINER IN ENDLOCK POSITION
3.5 DEMOUNT TERMINAL OUT OF THE HOUSING

4 MATING AND UNMATING OF THE CONNECTORS
4.1 MATING
4.2 UNMATING

5 MOUNTING PROVISIONS
5.1 MOUNTING PROVISION VERSION 1
5.2 MOUNTING PROVISION VERSION 2

6 MOUNTING COLLAR FOR CORRUGATED TUBE CLIP

© 2019 TE Connectivity. All Rights Reserved.

1 GENERAL

1.1 PURPOSE

THIS SPECIFICATION DESCRIBES THE 1.2mm MCON LL SEALED HOUSING FAMILY:

- MATING AND UNMATING OPERATIONS
- INSERTION AND REMOVAL OF THE TERMINAL

1.2 CUSTOMER DRAWING

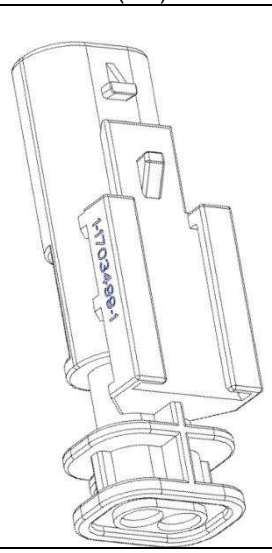
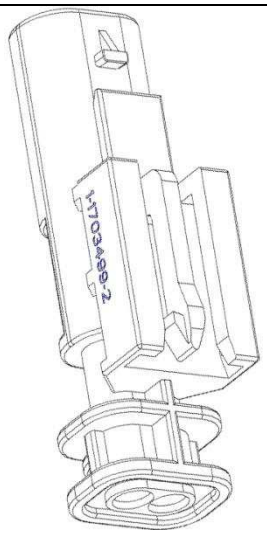
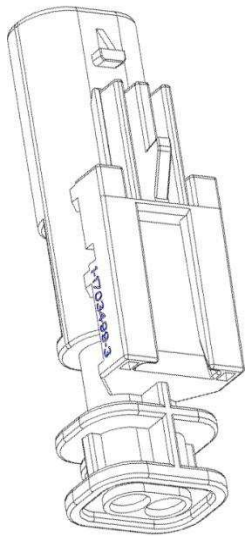
THIS APPLICATION SPECIFICATION IS BASED ON THE LATEST VALID CUSTOMER DRAWING:

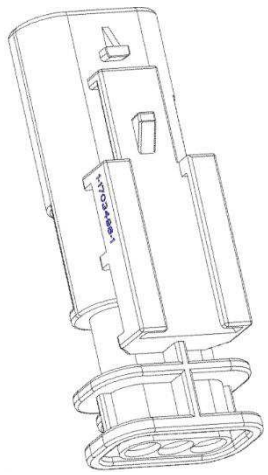
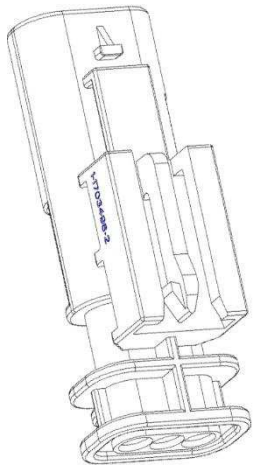
1703498	SEALED, 2WAY, MCON 1.2mm, TAB HOUSING
2236952	High Temp. Version available
1703494	SEALED, 3WAY, MCON 1.2mm, TAB HOUSING
2236953	High Temp. Version available
1564559	SEALED, 4WAY, MCON 1.2mm, TAB HOUSING
2141520	SEALED, 5WAY, MCON 1.2mm, TAB HOUSING
2236952	High Temp. Version available
2141324	SEALED, 6WAY, MCON 1.2mm, TAB HOUSING
1703506	SEALED, 8WAY, MCON 1.2mm, TAB HOUSING

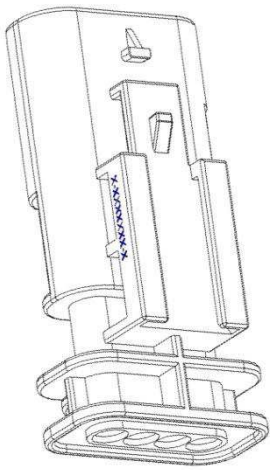
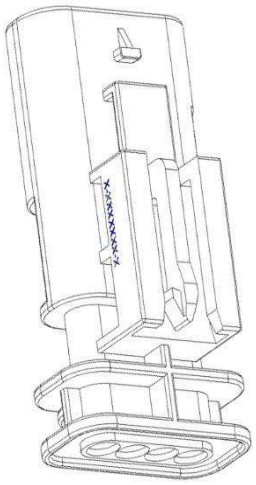
1.3 SPECIFICATION

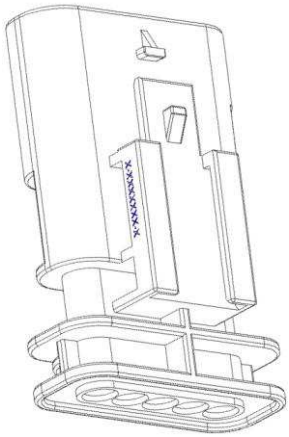
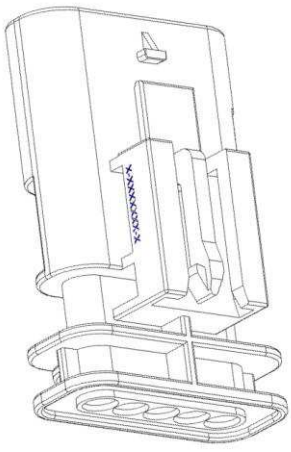
TERMINAL APPLICATION SPEC.	114-18464
TERMINAL PRODUCT SPEC.	108-18782
MALE HOUSING PRODUCT SPEC.	108-94177
MALE HOUSING INSTRUCTION SHEET	114-94062

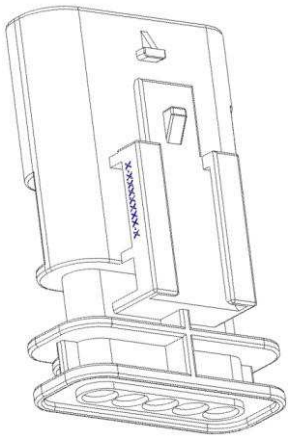
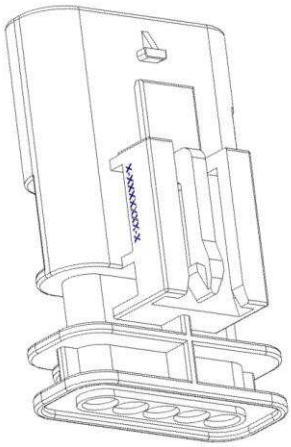
2. MALE HOUSING OVERVIEW

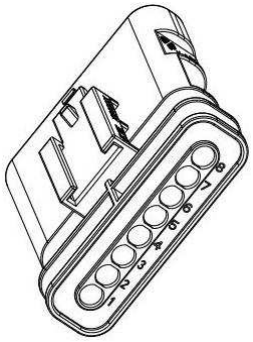
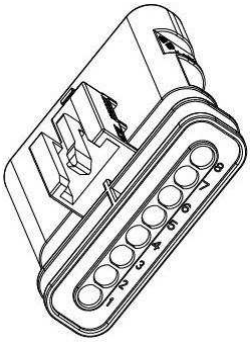
Male Housing Assembly			
	PN		
2 WAY	1-1703498-1	1-1703498-2	1-1703498-3
	2-1703498-1	2-1703498-2	1-1703498-4 (GM)
	1-2236952-5 (HT)*	1-1703498-5 (VW)	2-1703498-3
	2-2236952-5 (HT)*		2-1703498-4 (GM)
	2-2236952-6 (HT)*		
			

	PN		
3 WAY	1-1703494-1	1-1703494-2	
	1-1703494-4 (GM)	2-1703494-2	
	2-1703494-1		
	2-1703494-4 (GM)		
	1-2236953-5 (HT)*		
			

	PN		
4 WAY	1-1564559-1	1-1564559-2	
	2-1564559-1	2-1564559-2	
	1-1564559-4 (GM)		
	2-1564559-4		
	3-1564559-4 (GM)		
			

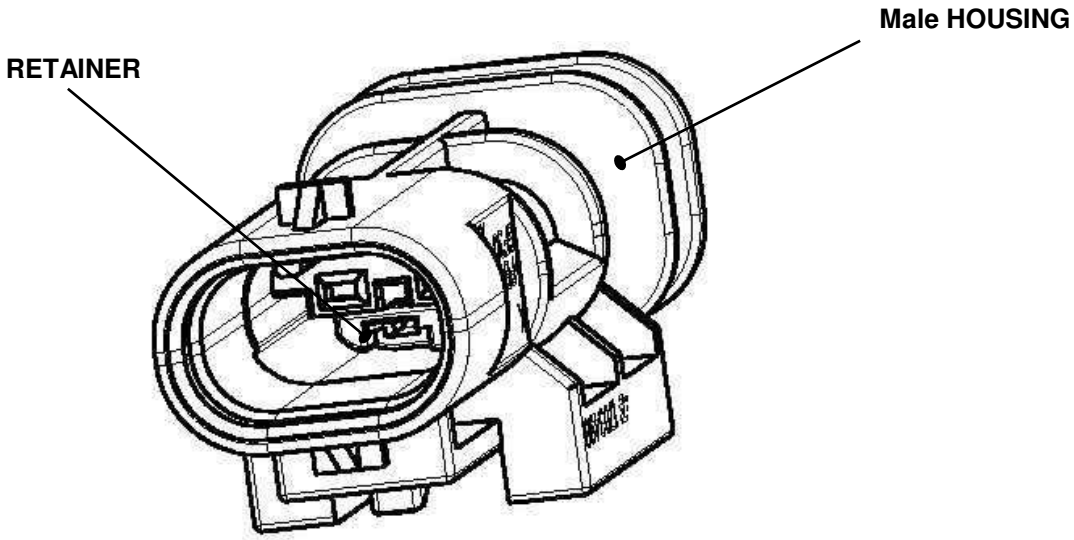
	PN		
5 WAY	1-2141520-1	1-2141520-2	
	1-2141520-4 (GM)	2-2141520-2	
	1-2236954-5		
	2-2141520-1		
	2-2236954-5 (HT)*		
	2-2236954-6 (HT)*		
			

	PN		
6 WAY	1-2141324-1 1-2141324-4 (GM) 1-2141324-5 (GM)	**1-2141324-2**	
			

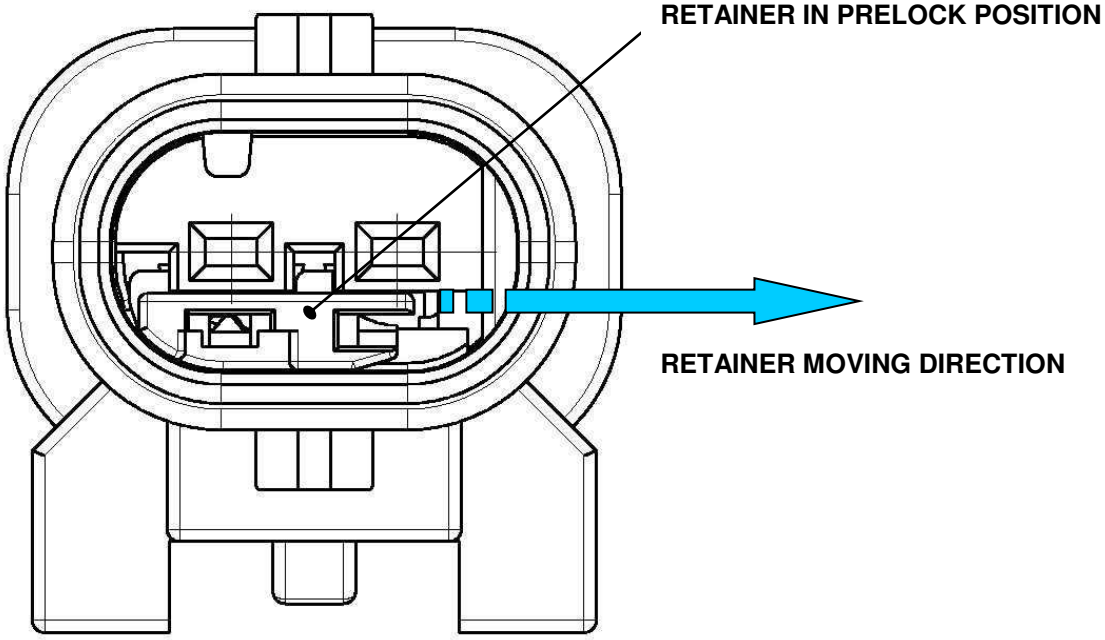
	PN		
8 WAY	1-1703506-1	1-1703506-2	
			

*- High temperature connector, up to 150°C

3 MALE HOUSING ASSEMBLY



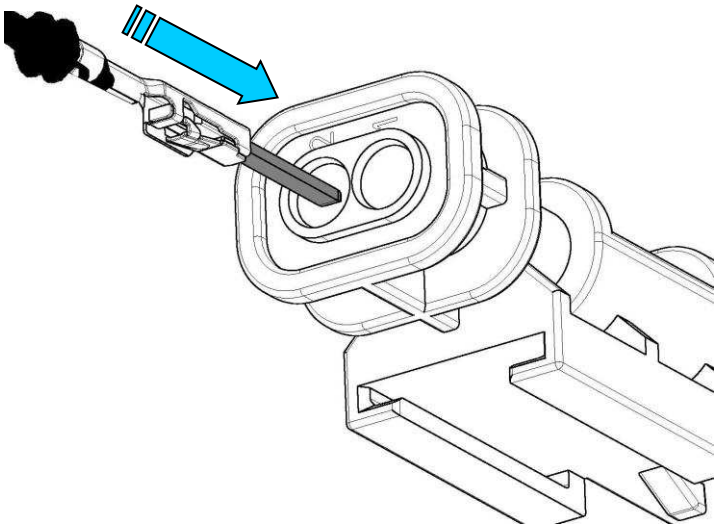
3.1 DELIVERY STATUS



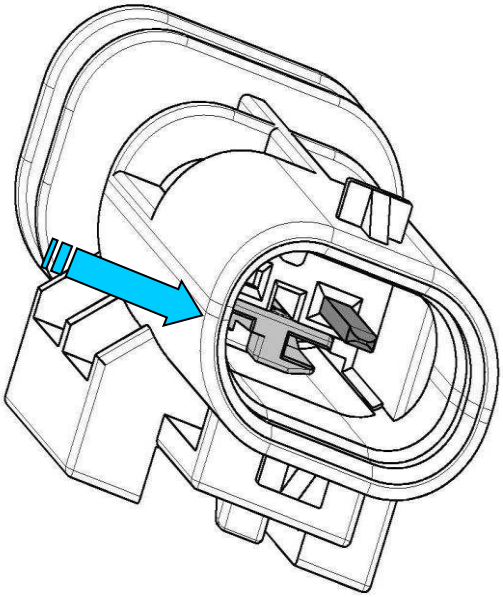
3.2 MALE TERMINAL LOADING

ONLY POSSIBLE WITH RETAINER IN PRELOCK POSITION (3.1)

STEP 1 MOVE THE TERMINAL WITH SWS IN THIS DIRECTION UNTIL THE TERMINAL LOCKS

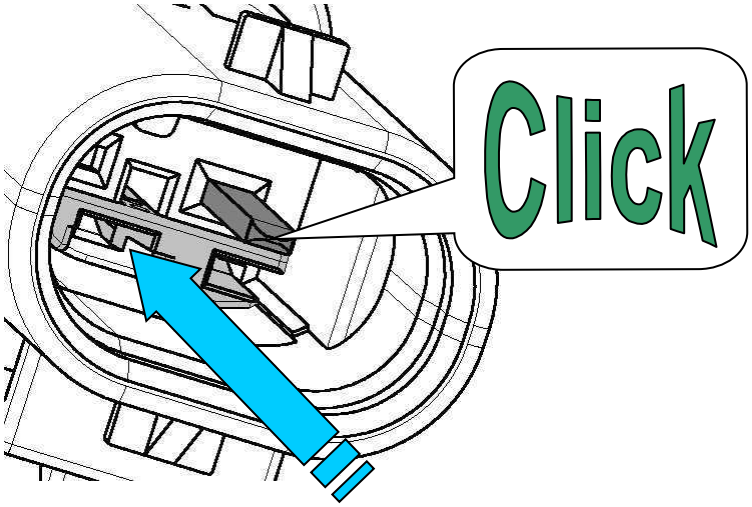


STEP 2 RETAINER PUSHING DIRECTION



STEP 3

RETAINER IS IN ENDLOCK POSTION,
TERMINAL IS FIXED



GAP FOR RETAINER SWITCHING TOOL

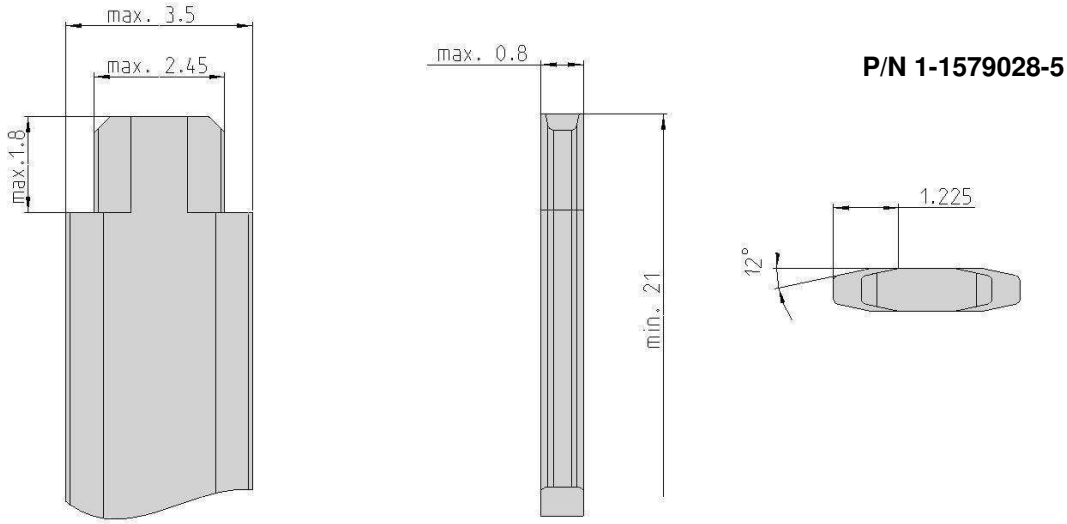
a1.) Recommended retainer switching tool for 2-way male housings:

New retainer switching tool is availlable
for 2-way hsg male housing

NEW PN: 9-1579028-2

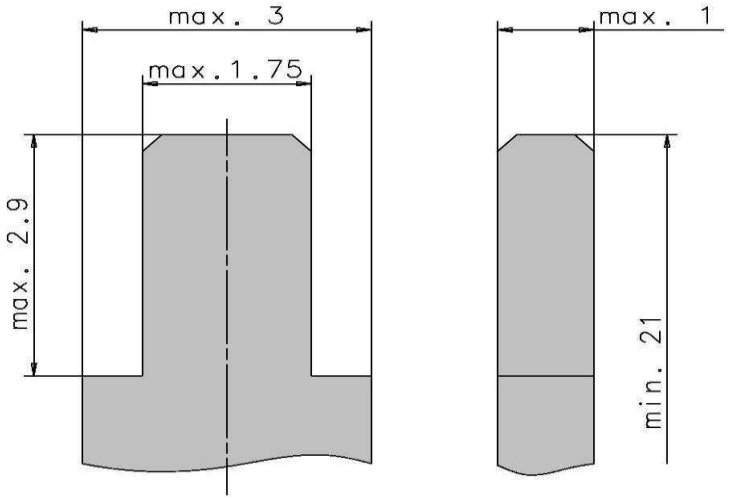


a2.) PROPOSAL FOR 2-WAY. MALE HOUSING RETAINER SWITCHING TOOL (OLD TOOL)



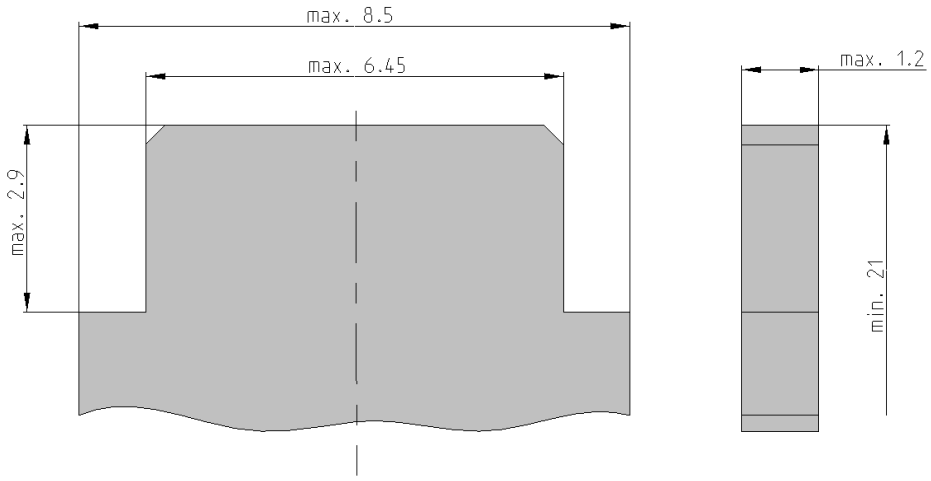
P/N 1-1579028-5

b.) PROPOSAL FOR 3-WAY. MALE HOUSING RETAINER SWITCHING TOOL



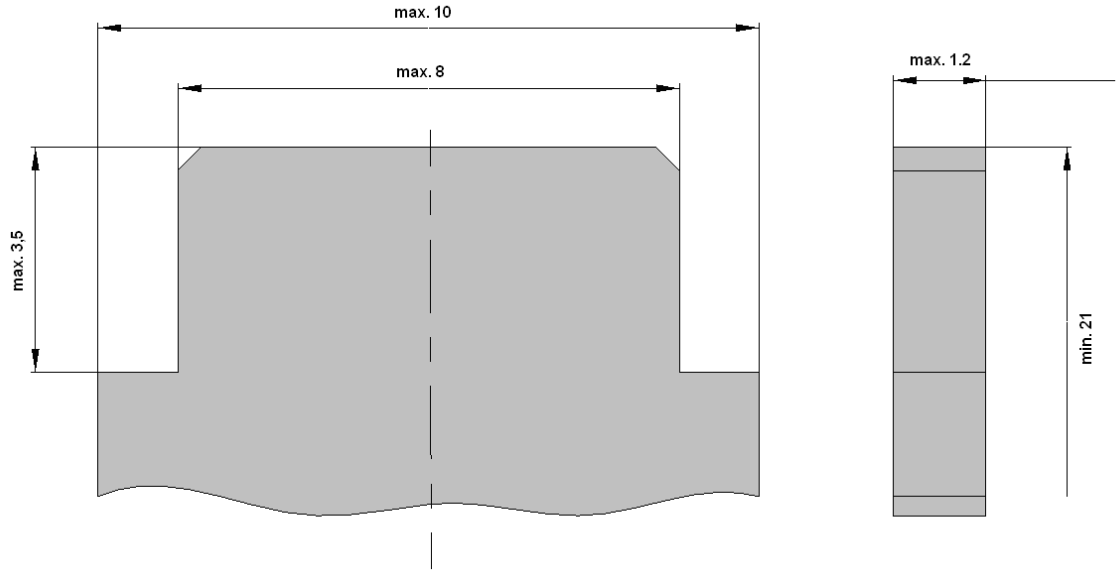
P/N 3-1579028-4

c.) PROPOSAL FOR 4-WAY. MALE HOUSING RETAINER SWITCHING TOOL



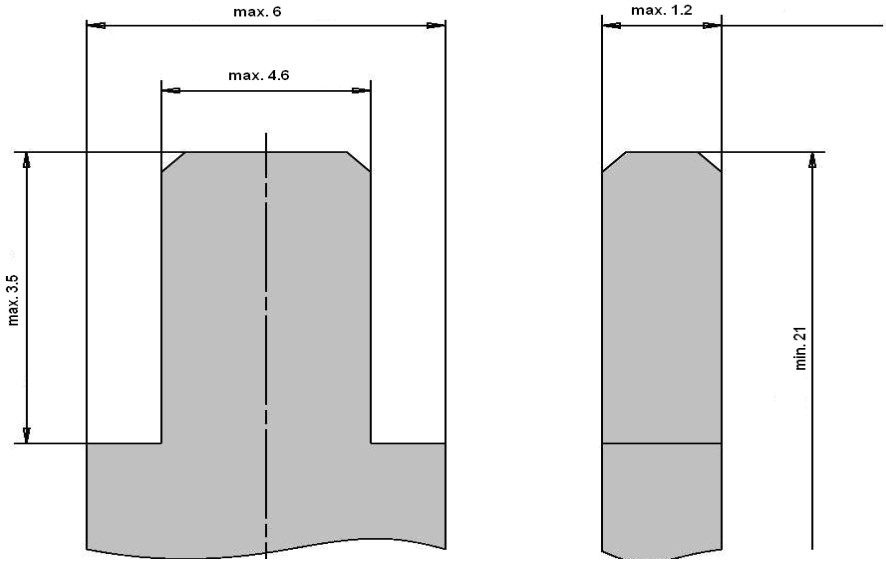
P/N 3-1579028-5

d.) PROPOSAL FOR 5 WAY. MALE HOUSING RETAINER SWITCHING TOOL



P/N 3-1579028-6

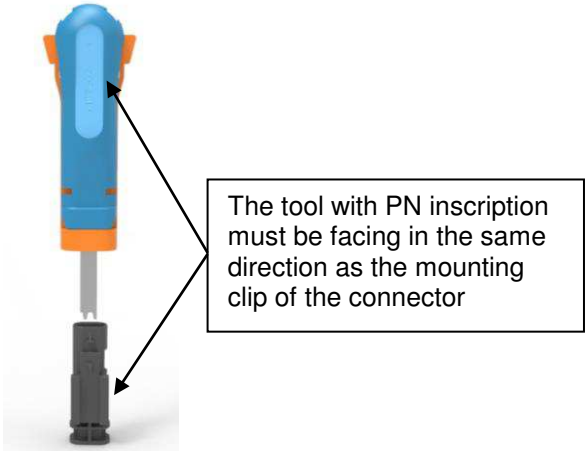
e.) PROPOSAL FOR 6 WAY. MALE HOUSING RETAINER SWITCHING TOOL



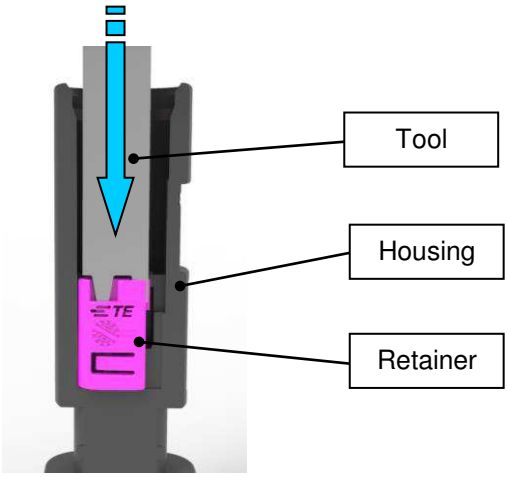
P/N 3-1579028-7

3.3 ADDITIONAL INSTRUCTION FOR 2-WAY VERSION

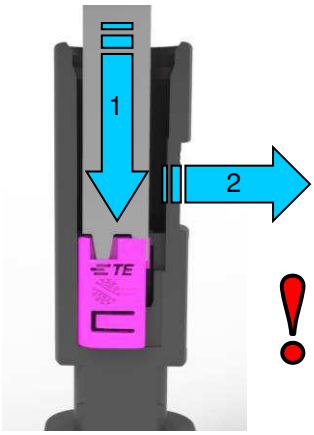
3.3.1 Instruction for the NEW 2-way switching tool PN 9-1579028-2



Step 1: place the tool above the connector



Step 2: Fit the tool in the slot of the retainer

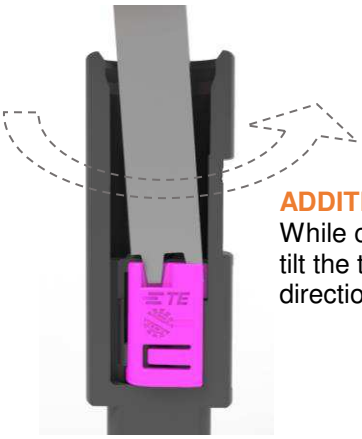


Step 3: Close the retainer

1. Push the retainer slightly in bottom direction.
2. Move the retainer to end lock position. **A "CLICK" sound should be heard when the retainer is closed.**

IMPORTANT:

- Movement 1 and 2 **must be performed simultaneously**
- the fitment/orientation of the tool is important



ADDITIONAL TIP:
While closing the retainer, tilt the tip of the tool in the direction of the movement.

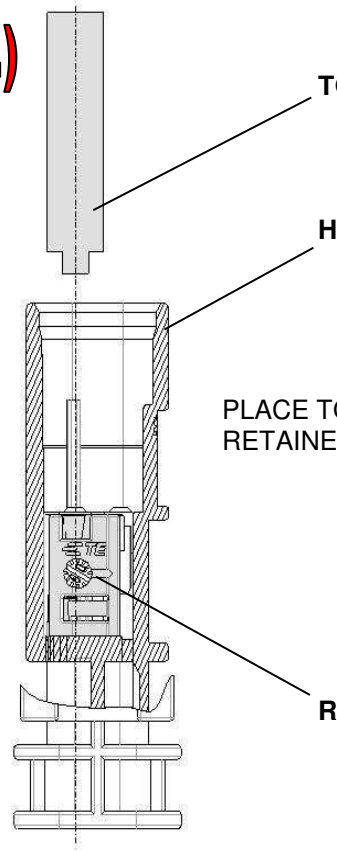
The alignment of the tool in the slot of the retainer is very important





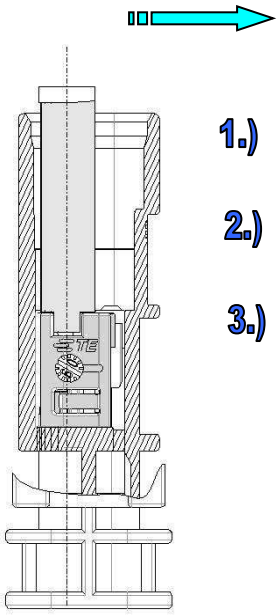
3.3.2 Instruction for the OLD 2-way switching tool PN 1-1579028-5

a.)



PLACE TOOL ABOVE RETAINER

b.)



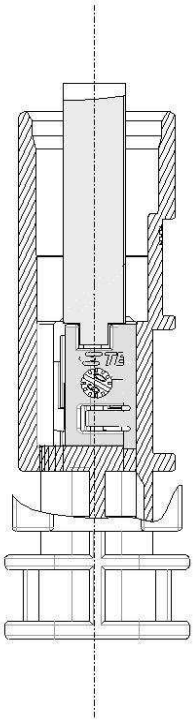
1.) FIT THE TOOL AT SLOT OF RETAINER

2.) PUSH THE RETAINER SLIGHTLY TO BOTTOM DIRECTION

3.) MOVE RETAINER TO THE ENDLOCK POSITION. **A "CLICK" SOUND SHOULD BE HEARD WHEN THE RETAINER IS CLOSED.**

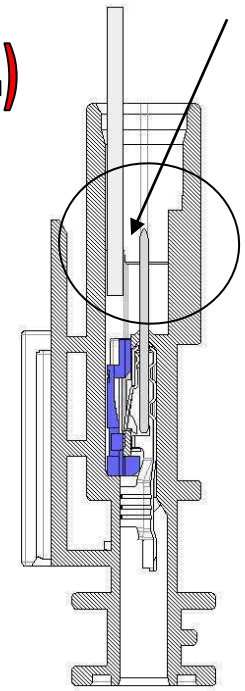
IMPORTANT: STEP 2.) AND 3.) **MUST BE PERFORMED SIMULTANEOUSLY.**

c.)



RETAINER IS IN ENDLOCK POSITION TERMINALS ARE FIXED

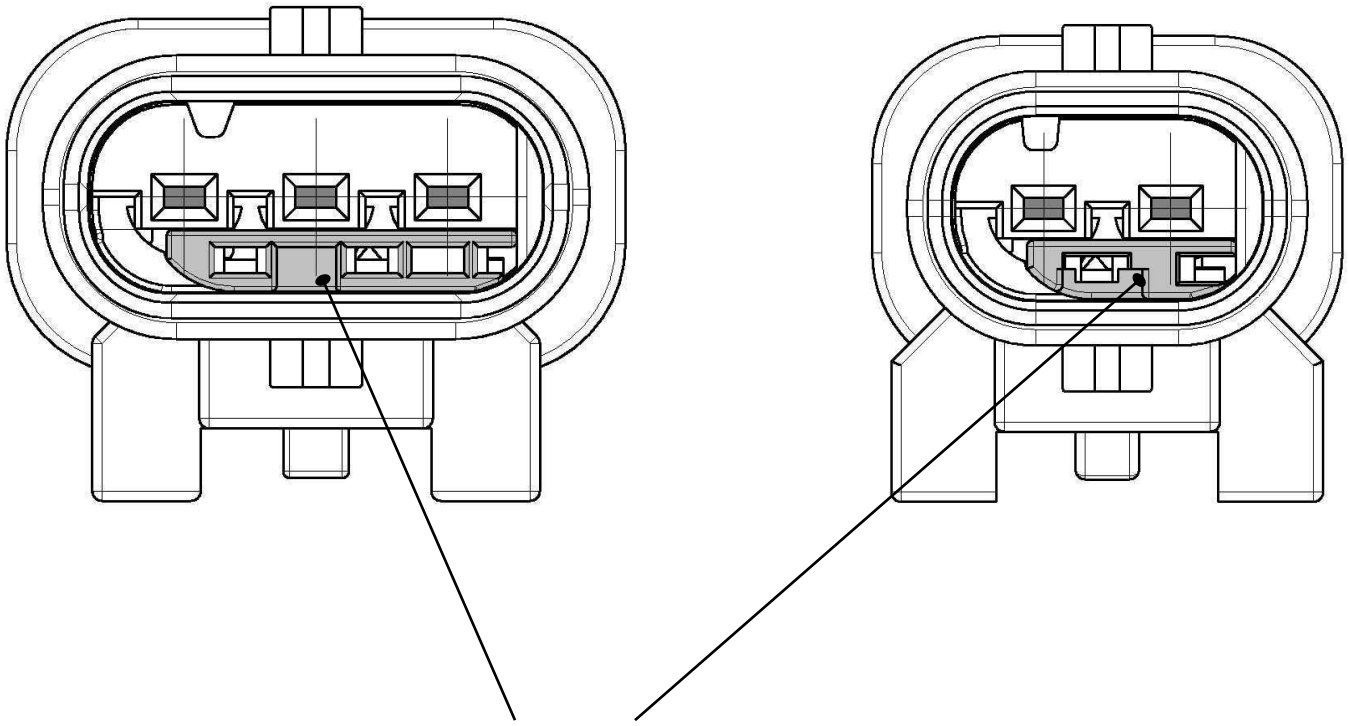
d.)



CLEARANCE IS NECESSARY

DO NOT TOUCH THE PINS WITH THE TOOL

3.4 RETAINER IN ENDLOCK POSITION

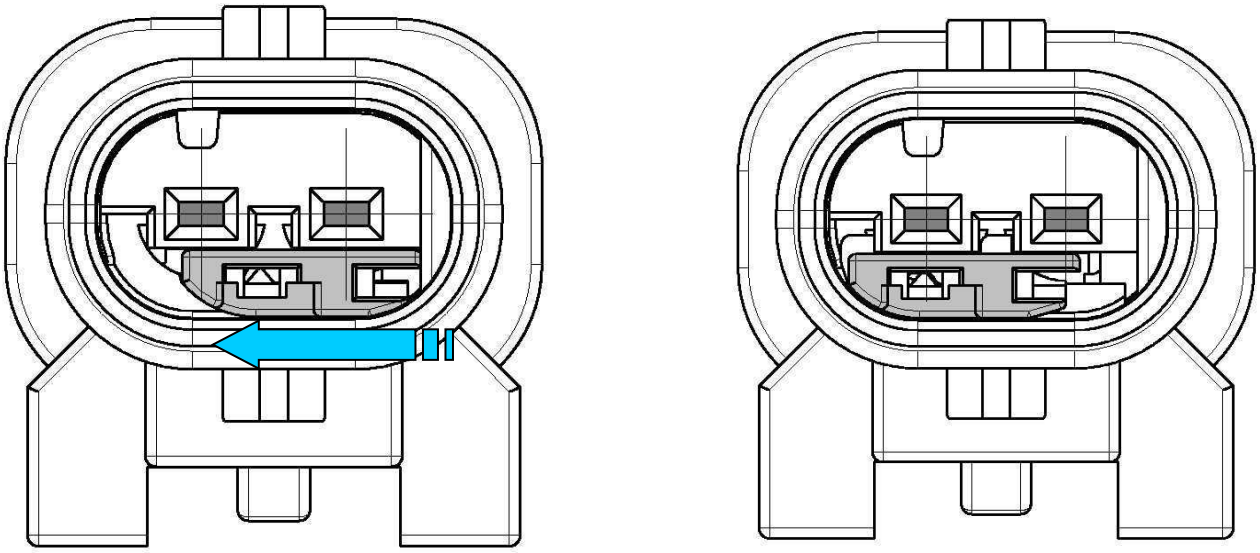


RETAINER IS IN ENDLOCK
POSTION, TERMINALS ARE FIXED

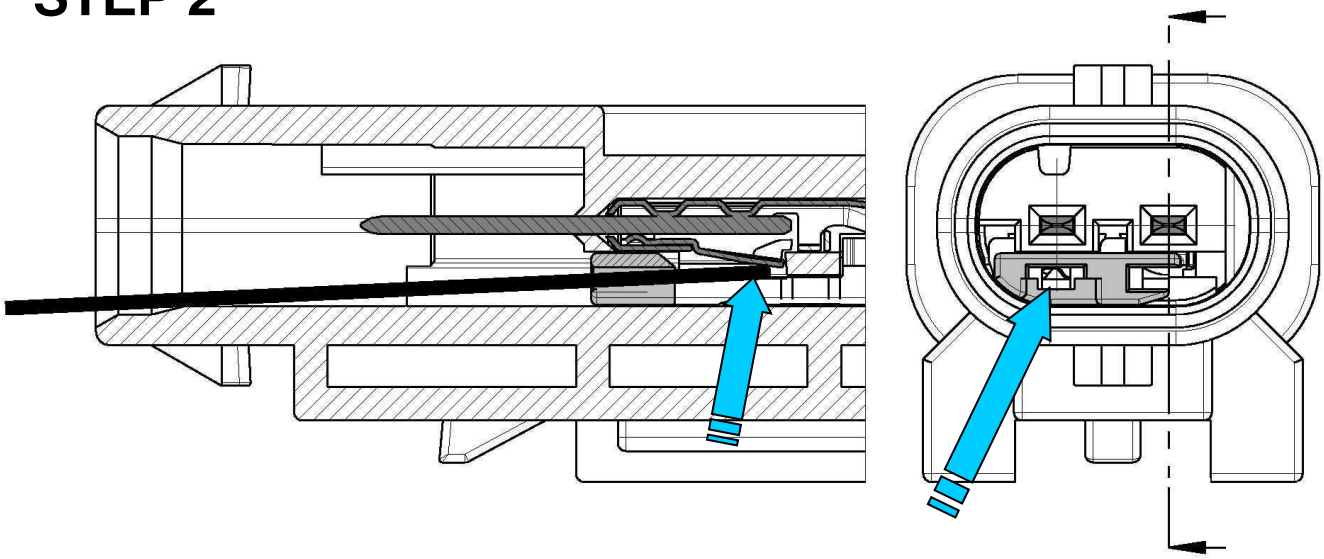
RETAINER HAS TO BE FULLY LOCKED;
IF NOT POSSIBLE, THE TERMINAL IS MISPLACED

3.5 DEMOUNT TERMINAL OUT OF THE HOUSING

STEP 1 RETAINER FROM ENDLOCK POSITION BACK TO PRELOCK POSITION WITH SWITCHING TOOL

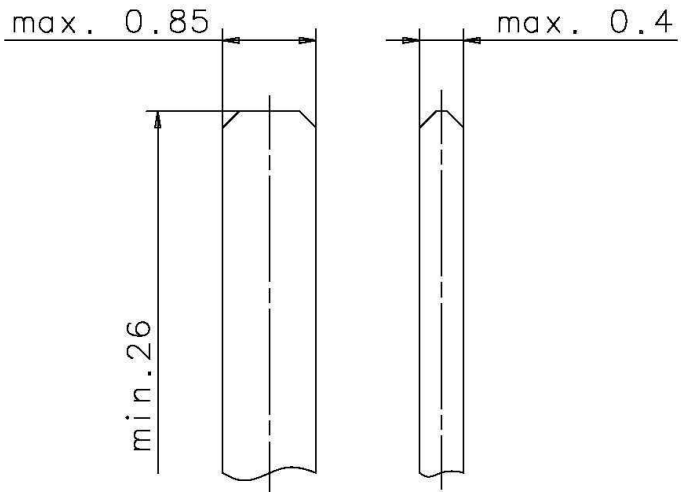


STEP 2 PUSH DIRECTION OF TERMINAL EXTRACTION TOOL



INSERT THE EXTRACTION TOOL THROUGH THIS GAP AND PUSH THE TERMINAL SPRING

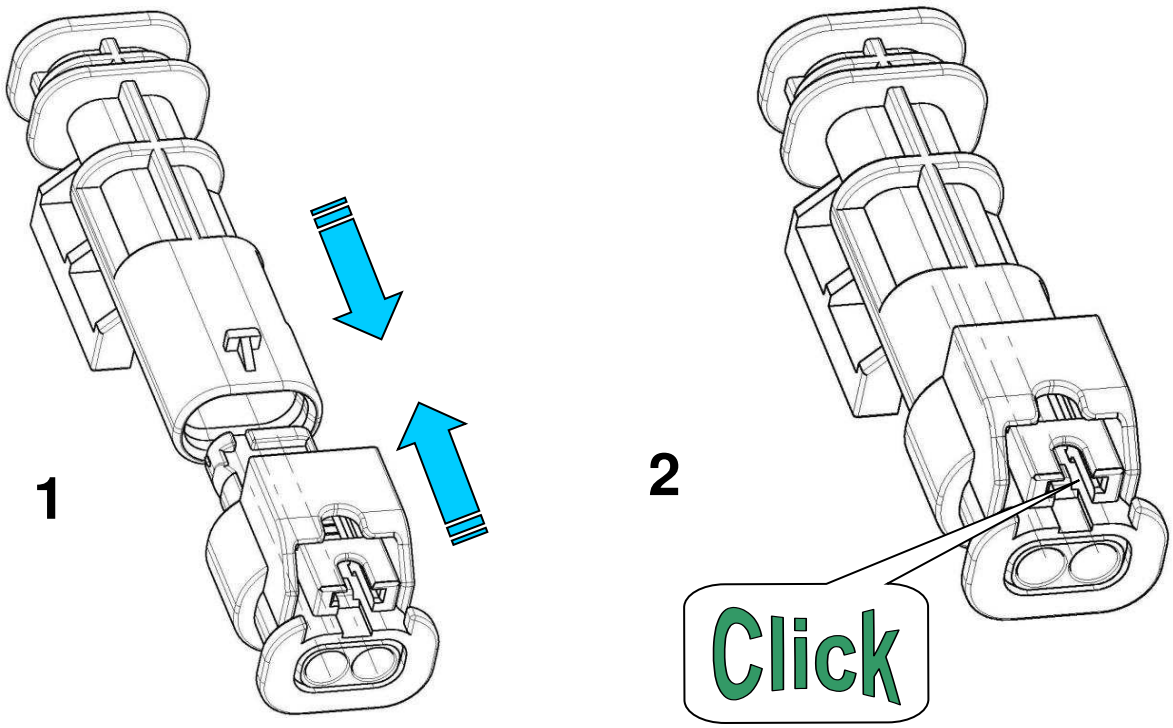
3.4.1



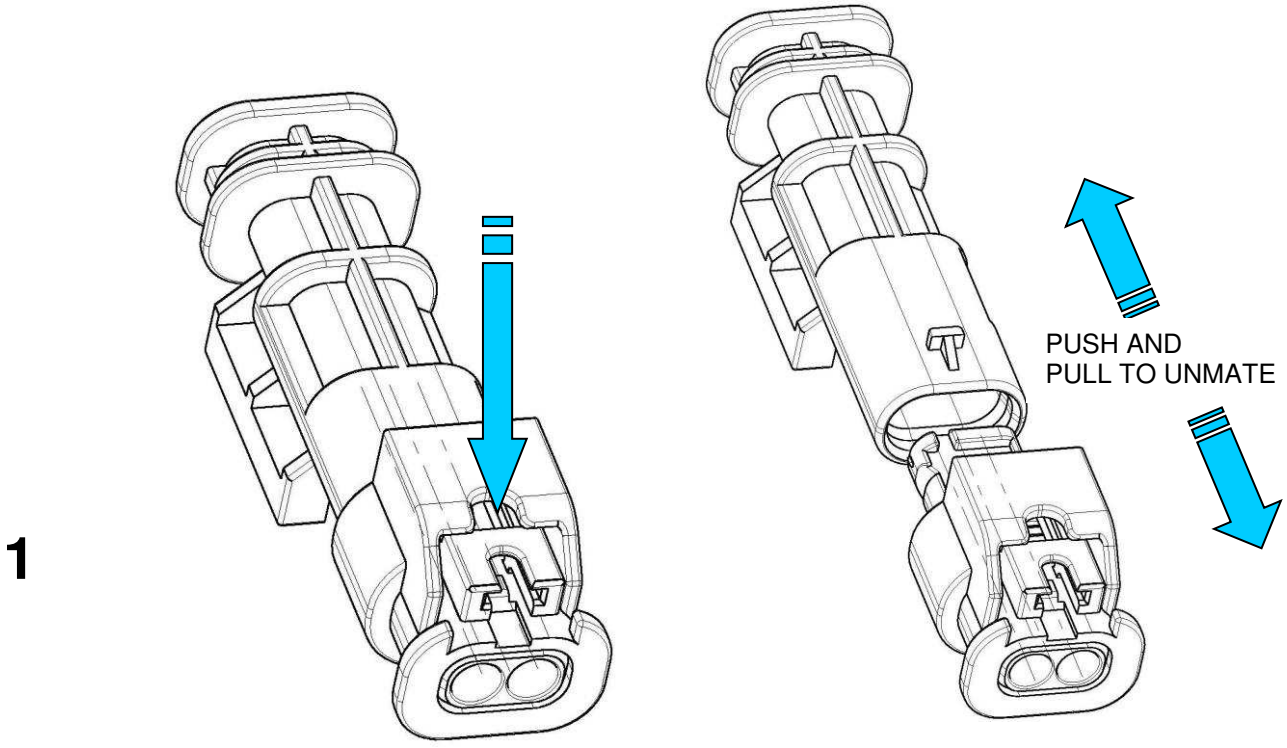
P/N 3-1579028-8

4 MATING AND UNMATING THE 1.2mm MCON INLINE CONNECTION

4.1 MATING



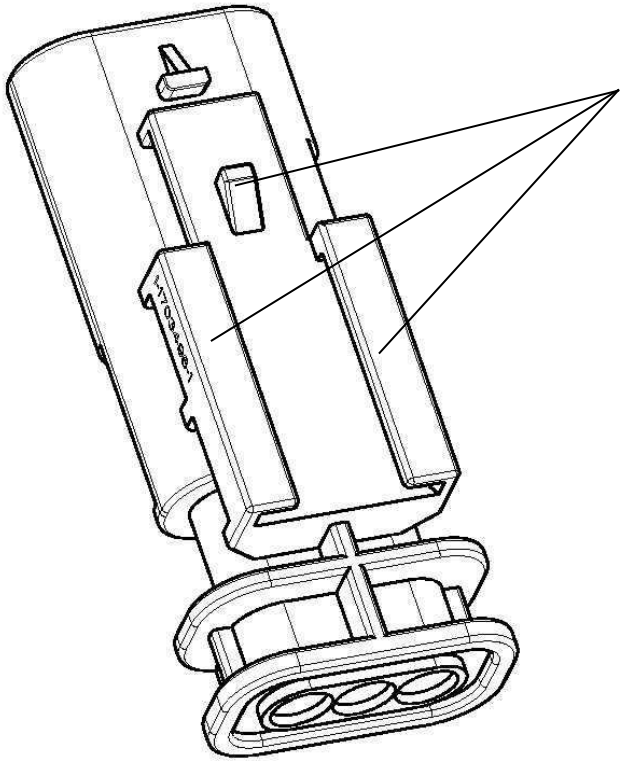
4.2 UNMATING



5. MOUNTING PROVISIONS

5.1 MOUNTING PROVISION VERSION 1

IT IS POSSIBLE TO MOUNT THE CONNECTOR TO THE BODY SHEET BY USING VARIOUS CLIPS,
E.G.: FORD PN 1S7T-14197-JA, FORD PN W709152, FORD PN W700475, VW PN N 907 136,ETC.

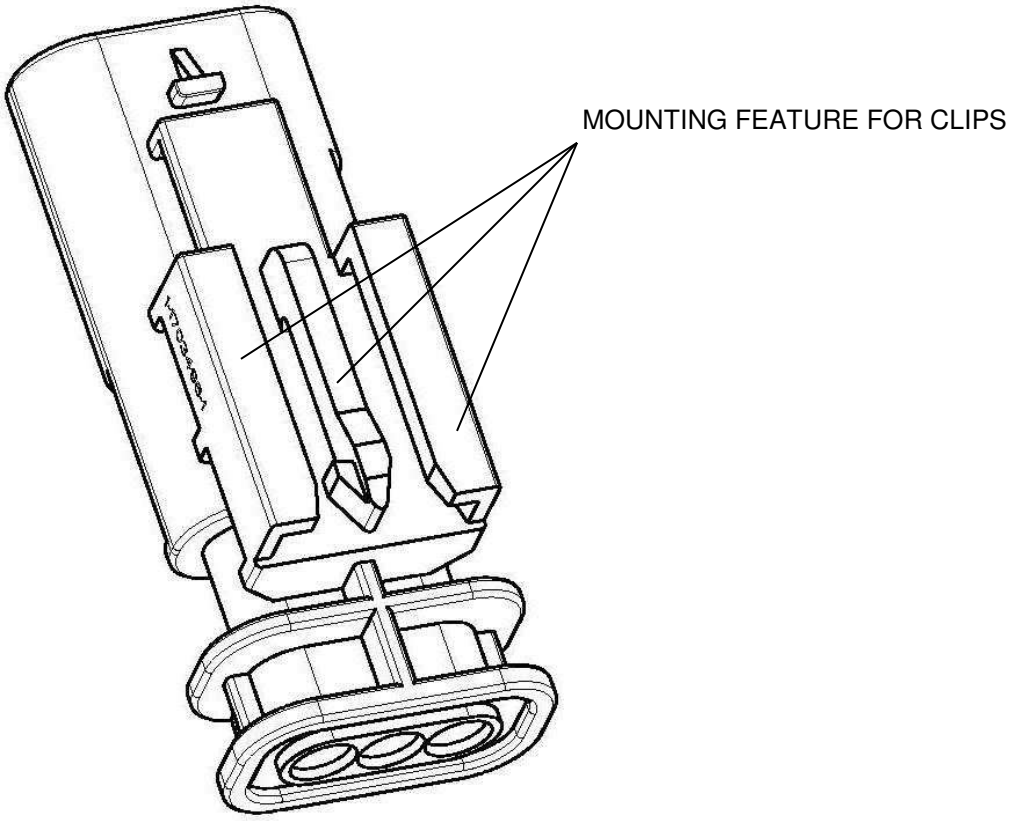


NOTE:

DUE TO THE FACT THAT THERE ARE VARIOUS MOUNTING CLIPS AVAILABLE ON THE MARKET, THE APPLICABILITY OF ANY OTHER CLIPS HAS TO BE CHECKED , ON THE PART, BY THE USER
(E.G. HARNESSMKER)

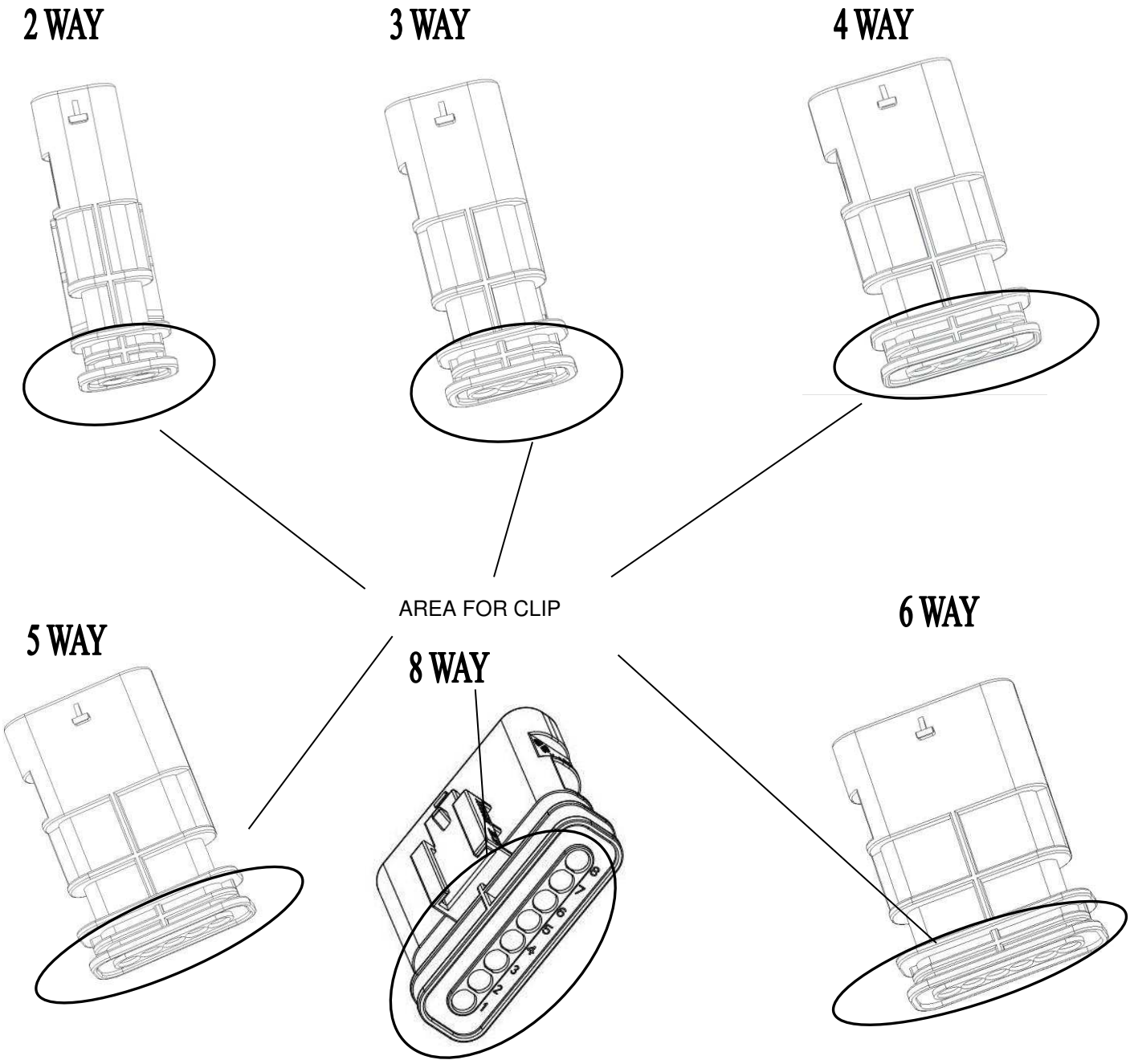
5.2 MOUNTING PROVISION VERSION 2

ADDITIONAL POSSIBILITY TO MOUNT THE CONNECTOR AT THE BODY.



NOTE: LOCATOR ACCORDING 114-18063-2

6. MOUNTING SKIRT FOR CORRUGATED TUBE CLIP



	NAME	DATE	ORIGINAL FILE	
CREATED	A.Löcser	04APR2008	Doc-Manager	
CHECKED				
CHANGE HISTORY	NAME	DATE	REV	CHANGE
	J. Reuß	19AUG2014	E	8 Way Housing version added
	G. Nagy	17FEB2016	E1	Application tools PN added / HT version PN added
	L. Székely	15NOV2019	F	Overview reordered + Small clarification done at retainer closing + New switching tool added
	L. Székely	02JUN2020	F1	Additional explanation added: “Click” noise note added