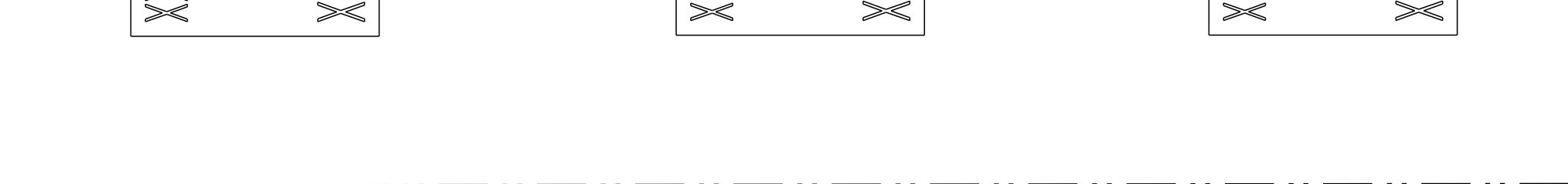
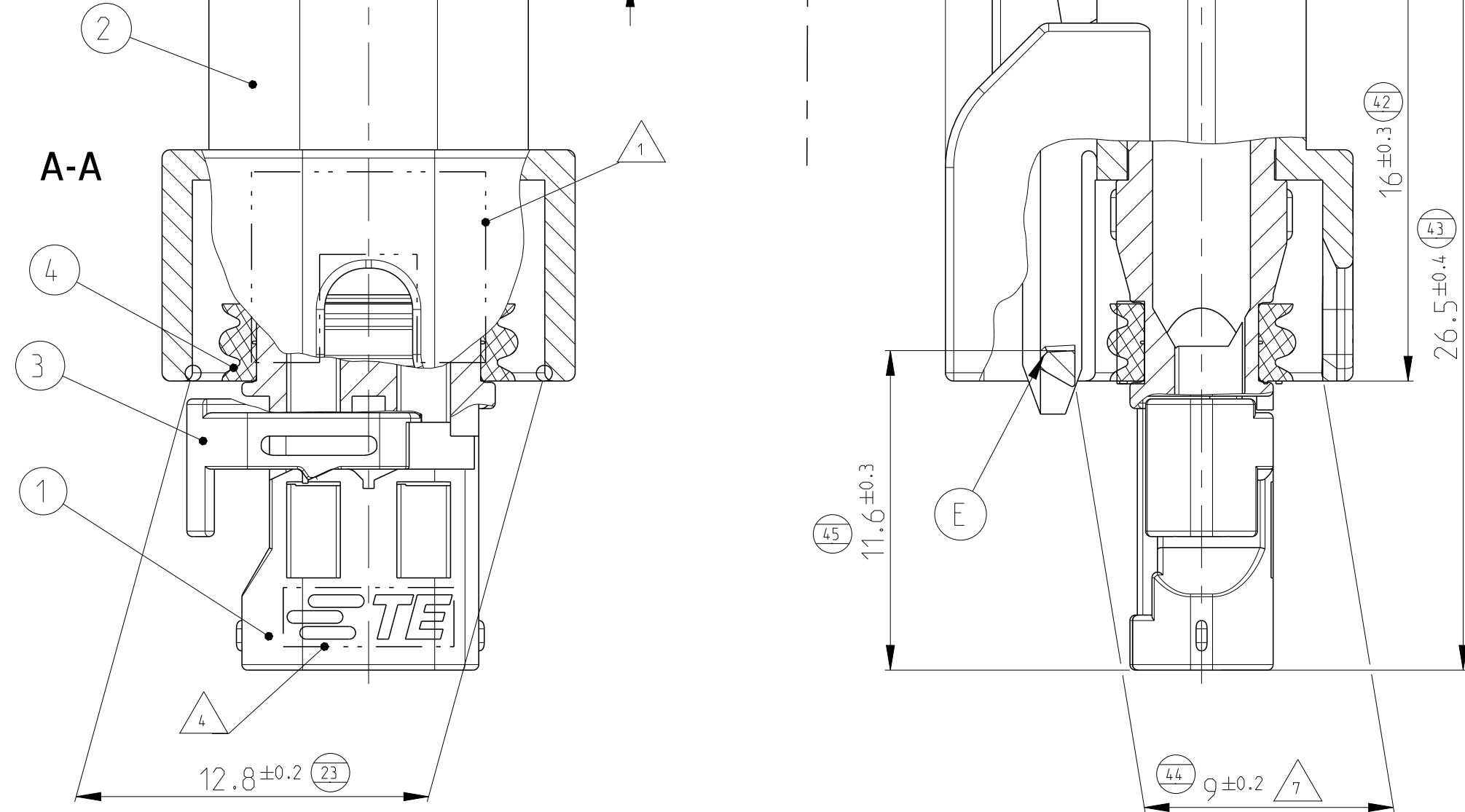
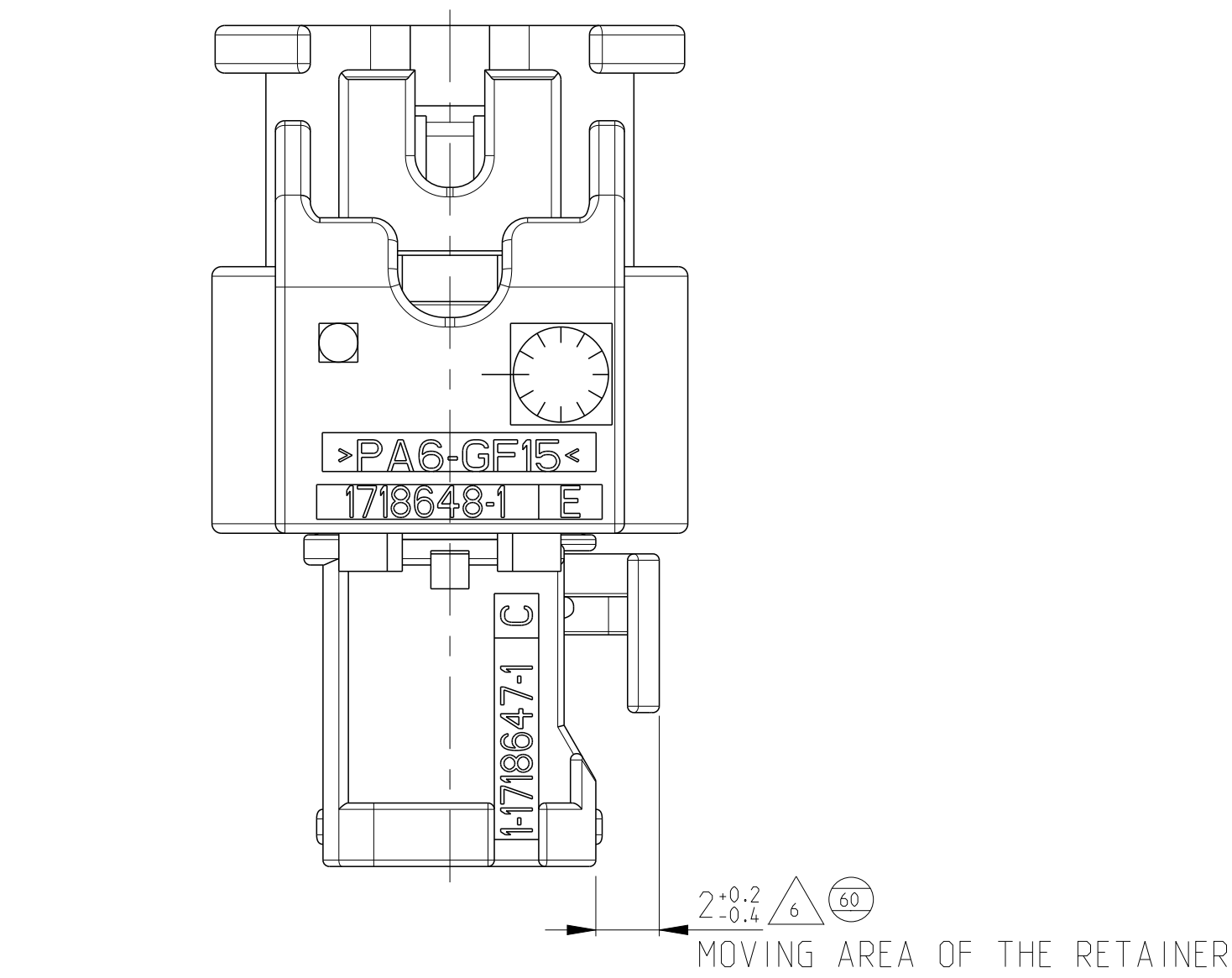




1:1

TE TE Connectivity

NAME	2pos. MCON 1.2 - LL Connector, Sealed
------	---------------------------------------

SIZE	CAGE CODE	DRAWING NO
A 1	00779	C-1670916

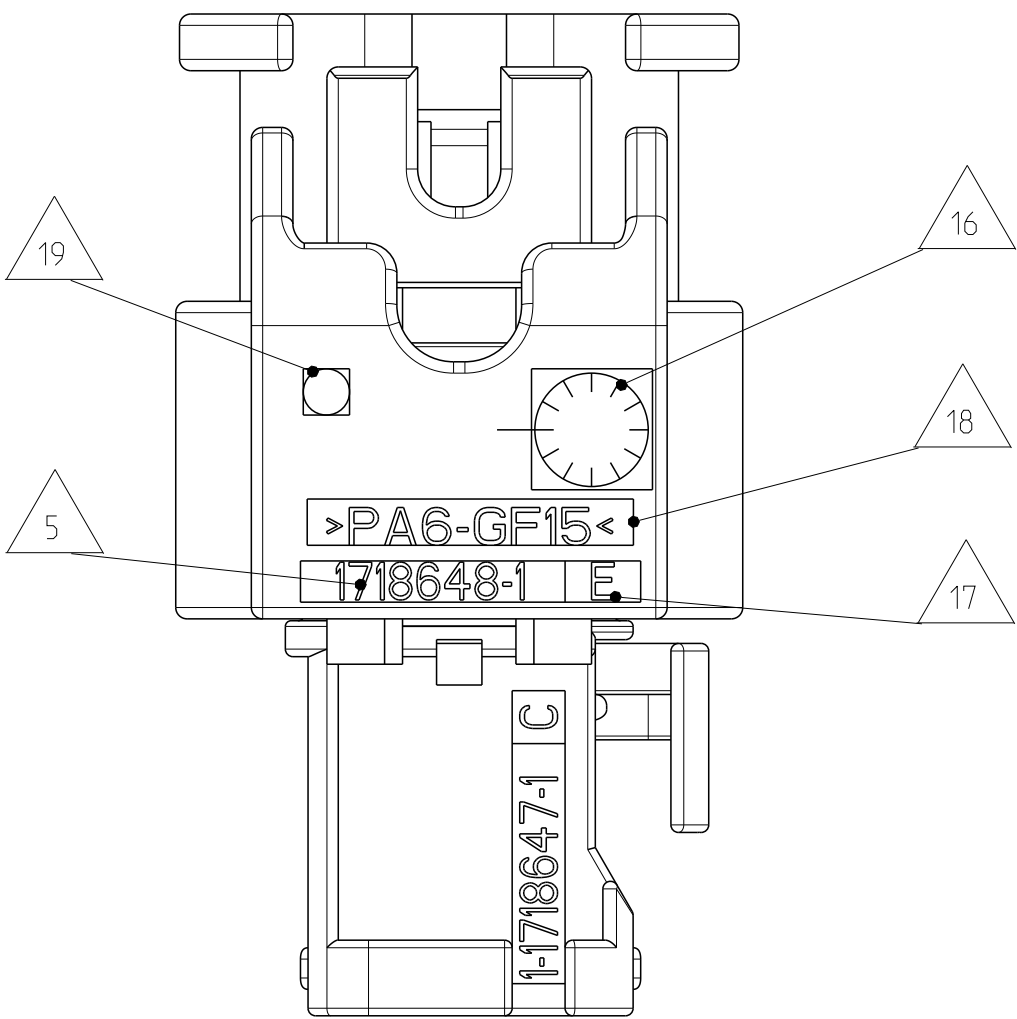
CUSTOMER DRAWING	SCALE 5:1	SHEET 1 OF 2	REV E5
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

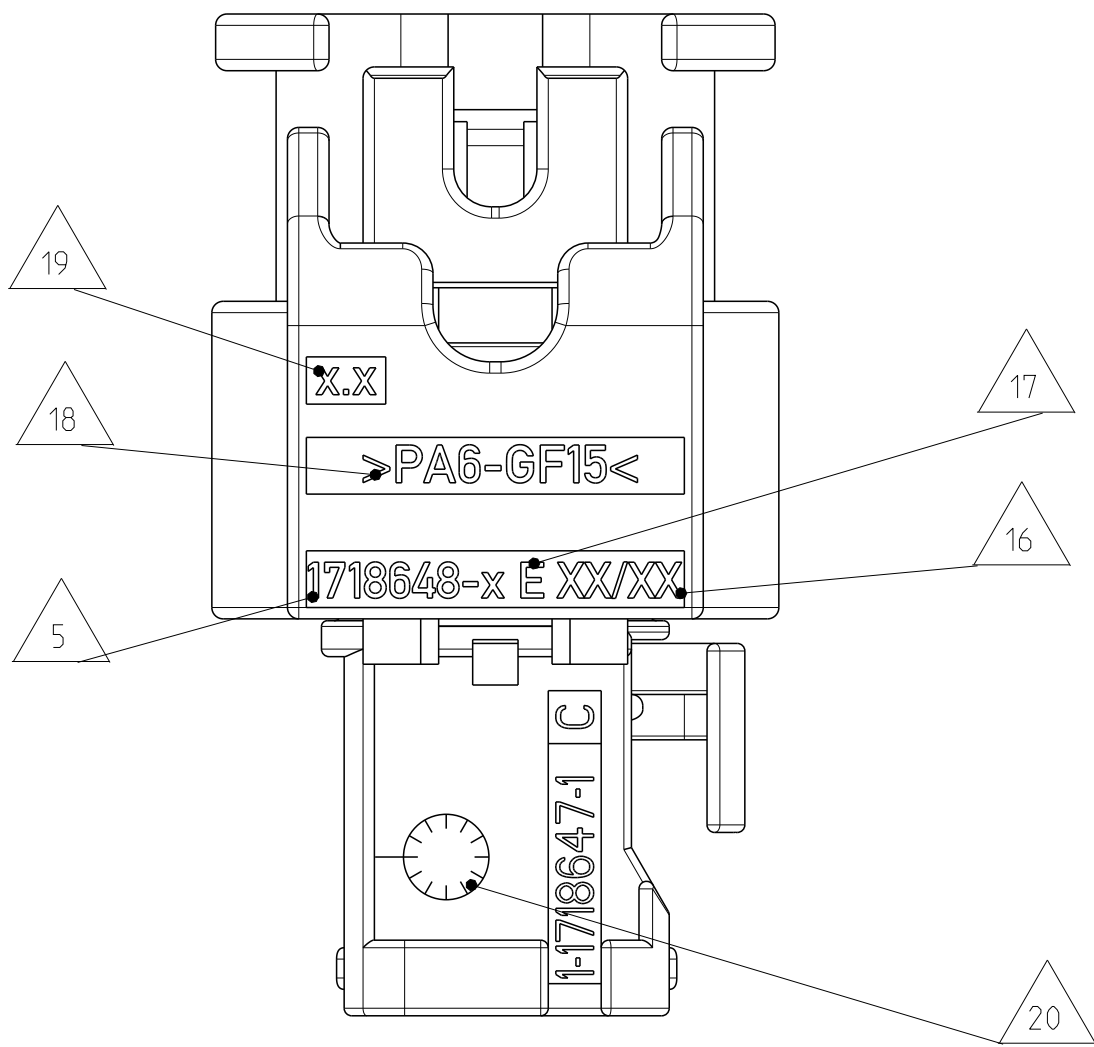


Divergent marking is allowed for parts from different tools

Version 1



Version 2



- 5 TE PART NO.:
- 16 - CIRCUALR DATE INSERT ONLY FOR VERSION 1
- DATE FORMAT FOR VERSION 2 (YY/MM)
- 17 REVISION, CORRESPONDING TO ACTUAL REVISION
- 18 MATERIAL IDENTIFICATION
- 19 MOULD CAVITY IDENTIFICATION
- 20 DATE INSERT FOR RECEPTACLE HOUSING

3-1670916-1	C	2pos. MCON 1.2 - LL Connector Sealed	A	1	2pos. MCON 1.2 - Seal	MVQ	NATURE	4	
				1	2pos. MCON 1.2 - Retainer	PA66-GF15	VIOLETT	3	
				1	2pos. MCON 1.2 - Protec. Cover	PA6-GF15	BLACK	2	
				1	2pos. MCON 1.2 - Recepticle Hsg.	PA66-GF30	BLUE	1	
2-1670916-1	B	2pos. MCON 1.2 - LL Connector Sealed	E	1	2pos. MCON 1.2 - Seal	MVQ	NATURE	4	
				1	2pos. MCON 1.2 - Retainer	PA66-GF15	VIOLETT	3	
				1	2pos. MCON 1.2 - Protec. Cover	PA6-GF15	BLACK	2	
				1	2pos. MCON 1.2 - Recepticle Hsg.	PA66-GF30	NATURE	1	
1-1670916-1	A	2pos. MCON 1.2 - LL Connector Sealed	E	1	2pos. MCON 1.2 - Seal	MVQ	NATURE	4	
				1	2pos. MCON 1.2 - Retainer	PA66-GF15	VIOLETT	3	
				1	2pos. MCON 1.2 - Protec. Cover	PA6-GF15	BLACK	2	
				1	2pos. MCON 1.2 - Recepticle Hsg.	PA66-GF30	BLACK	1	
TE-ORDER-NO.		COD	DESCRIPTION	REV	QTY	DESCRIPTION	MATERIAL	SURFACE/COLOUR	ITEM

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	16AUG2018		 TE Connectivity		
		CHK	-				
DIMENSIONS:		APVD	-		NAME	CONNECTOR, 2 POS.,MCON-1.2, SEALED Gehaeuse, 2 pol., MCON-1.2, dicht	
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:					
		PRODUCT SPEC					
		APPLICATION SPEC					
		WEIGHT		SIZE	CAGE CODE		
		CUSTOMER DRAWING					
MATERIAL		TBD		DRAWING NO			
				©=1670916			
				RESTRICTED TO			
				SCALE			
				5:1			
				SHEET			
				2			
				OF			
				2			
				REV			
				E5			

2-8pos. MCON 1.2 – LL Connector, Sealed with SWS

TABLE OF CONTENTS

1 GENERAL

- 1.1 PURPOSE
- 1.2 CUSTOMER DRAWINGS
- 1.3 DELIVERY CONDITION
 - 1.3.1 CONNECTORS WITHOUT CPA
 - 1.3.2 CONNECTORS WITH CPA
 - 1.3.3 TERMINALS
 - 1.3.4 CONNECTORS ARE BULK PACKAGED
 - 1.3.5 DUE TO BULK PACKAGING, IT IS POSSIBLE FOR THE RETAINER TO SHIFT DURING TRANSPORTATION
 - 1.3.6 SHOULD THIS OCCUR, SHIFT RETAINER TO PRE-LOCK POSITION AS DIMENSIONED ON TE CUSTOMER DRAWING PRIOR TO TERMINAL LOADING (Ref dim 2mm)

2 CONNECTOR 2 TO 8POS, MCON 1.2 WITH SWS

- 2.1 ASSEMBLY OF THE CONNECTORS (VALID FOR ALL PIN COUNT VERSIONS)
- 2.2 TERMINAL INSERTION INSTRUCTIONS
- 2.3 APPLICABLE WIRES
- 2.4 RETAINER ENGAGE INSTRUCTIONS
- 2.5 RETAINER DISENGAGE INSTRUCTIONS
- 2.6 TERMINAL REMOVAL INSTRUCTIONS

3 MATING AND UNMATING OF THE CONNECTORS

- 3.1 MATING WITH CPA
- 3.2 UNMATING WITH CPA
- 3.3 MATING WITHOUT CPA
- 3.4 UNMATING WITHOUT CPA

4. DOCUMENT CHANGE HISTORY

1 GENERAL

1.1 PURPOSE

THIS SPECIFICATION DESCRIBES HOW TO HANDLE THE COMPONENTS OF THE CONNECTORS 2- TO 8 POS., MCON 1.2 WITH SWS (Single Wire Seal)

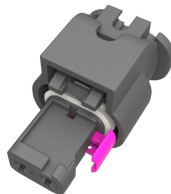
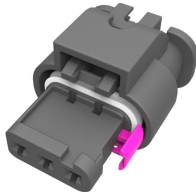
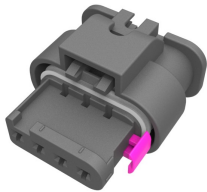
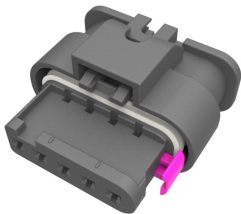
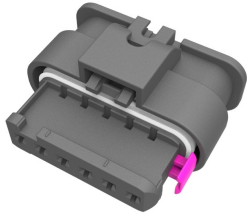
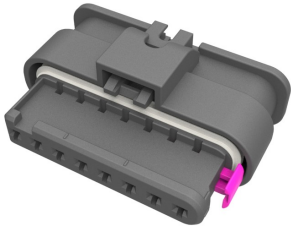
1.2 CUSTOMER DRAWINGS

THIS APPLICATION SPECIFICATION IS BASED ON THE LATEST VALID CUSTOMER DRAWINGS.

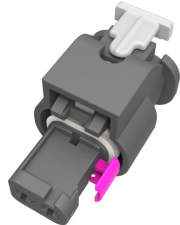
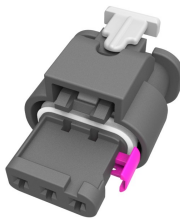
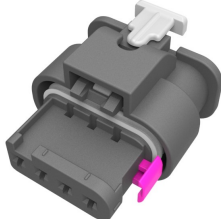
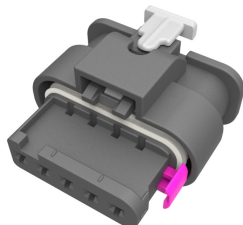
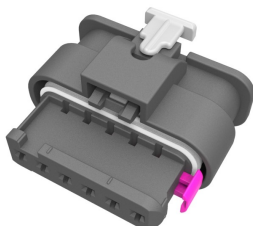
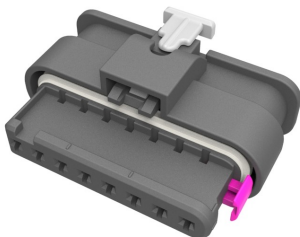
INTERFACE SPECIFICATION:
SEE TYCO ELECTRONICS FRAME SPECIFICATION: **114-18679-3**

1.3 DELIVERY CONDITION

1.3.1 CONNECTORS WITHOUT CPA

2pos. MCON 1.2 – LL Connector	
3pos. MCON 1.2 – LL Connector	
4pos. MCON 1.2 – LL Connector	
5pos. MCON 1.2 – LL Connector	
6pos. MCON 1.2 – LL Connector	
8pos. MCON 1.2 – LL Connector	

1.3.2 CONNECTORS WITH CPA

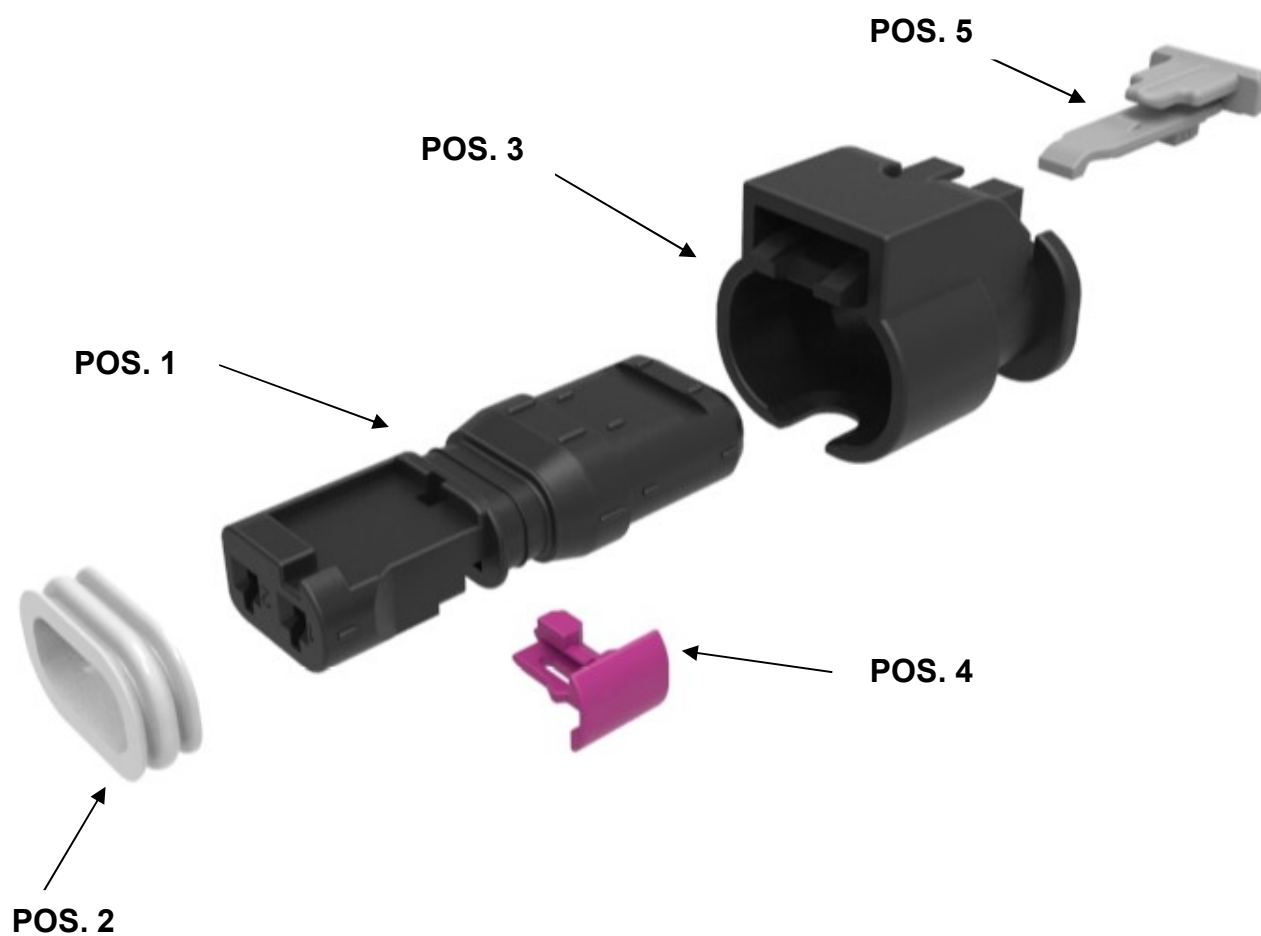
2pos. MCON 1.2 – LL Connector	
3pos. MCON 1.2 – LL Connector	
4pos. MCON 1.2 – LL Connector	
5pos. MCON 1.2 – LL Connector	
6pos. MCON 1.2 – LL Connector	
8pos. MCON 1.2 – LL Connector	

1.3.3 TERMINALS

MCON 1.2 – LL Terminals	<p>CUSTOMER DRAWING 1452674</p> <p>APPLICATION SPEC. 114-18464</p> <p>PRODUCT SPEC. 108-18782</p>	
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2 CONNECTOR 2 TO 8POS, MCON 1.2. WITH SWS

2.1 ASSEMBLY OF THE CONNECTORS (VALID FOR ALL PIN COUNT VERSIONS)



POS. 1: Receptacle Housing

POS. 2: Peripheral Seal

POS. 3: Protection Cover

POS. 4: Retainer

POS. 5: CPA

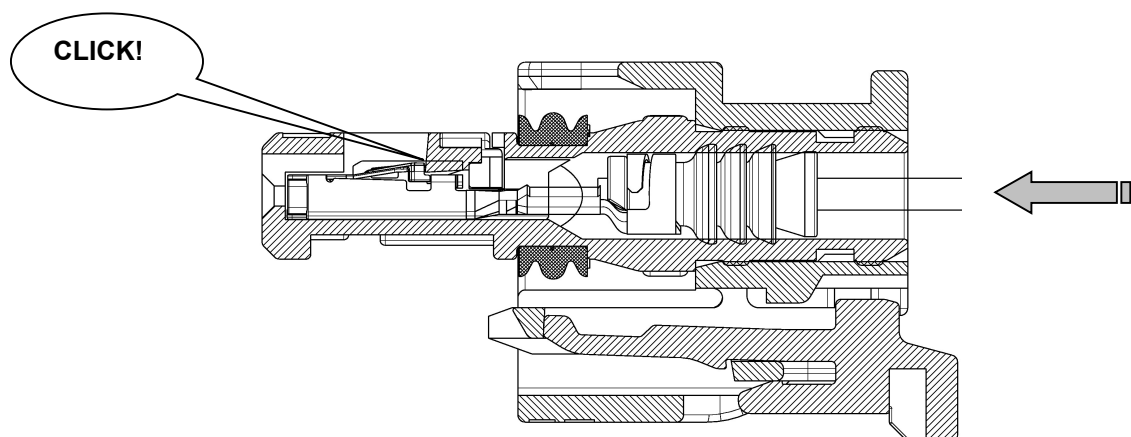
2.2 TERMINAL INSERTION INSTRUCTIONS

INSERTION DIRECTION

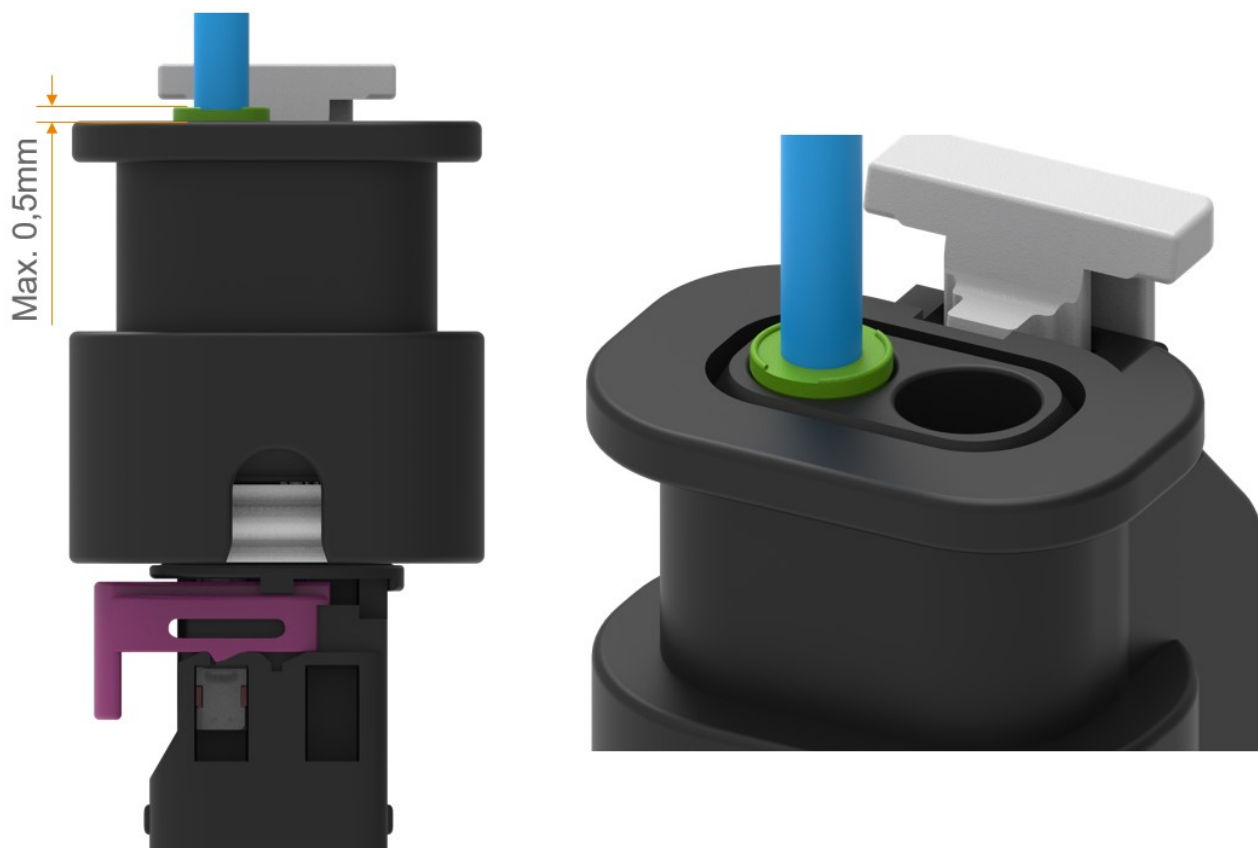
ORIENTATION FEATURE OF THE TERMINAL.



INSERT TERMINAL UNTIL AN AUDIBLE CLICK IS HEARD OR THE LOCK IS FELT



IN CASE OF 1mm² CABLE WITH 180° CABLE EXIT, SWS PROTRUSION DURING TERMINAL INSERTION OF **MAX. 0.5mm** IS ALLOWED. THIS IS ALLOWED FOR THE SEAL COLLAR ONLY. THE SEALING LIPS MUST REMAIN IN THE CONTACT CAVITY AT ALL TIMES.



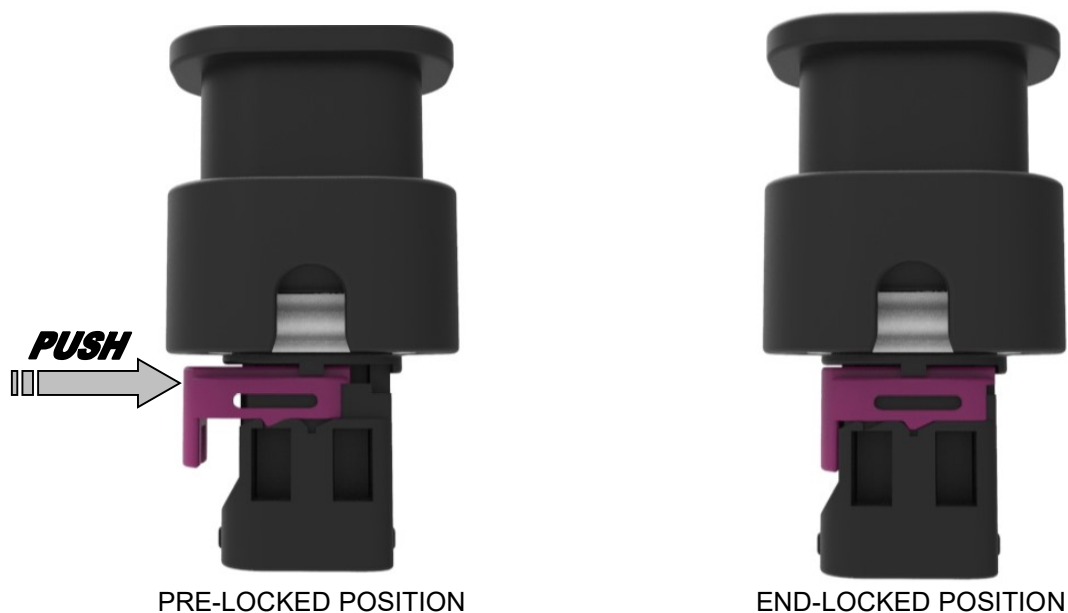
2.3 APPLICABLE WIRES

SEE ALSO THE CUSTOMER DRAWINGS **1452674**

Accessories							
Wire			Part numbers				
Type (DIN 76772)	Ø	mm ²	MCON 1.2 LL	Single wire seal		Blind plug PN / Color	
FLR & ACW	1.2-1.4	0.35	7-1452665-3	Yellow	967067-2	967056-1	Blue
	1.4-1.6	0.50	7-1452668-3	Green	967067-1		
	1.7-1.9	0.75	7-1452668-3	Green	967067-1		
	1.9-2.1	1.00	7-1452671-3	Green	967067-1		
	2.2-2.4	1,50	7-1452671-3	Green	2287497-1		

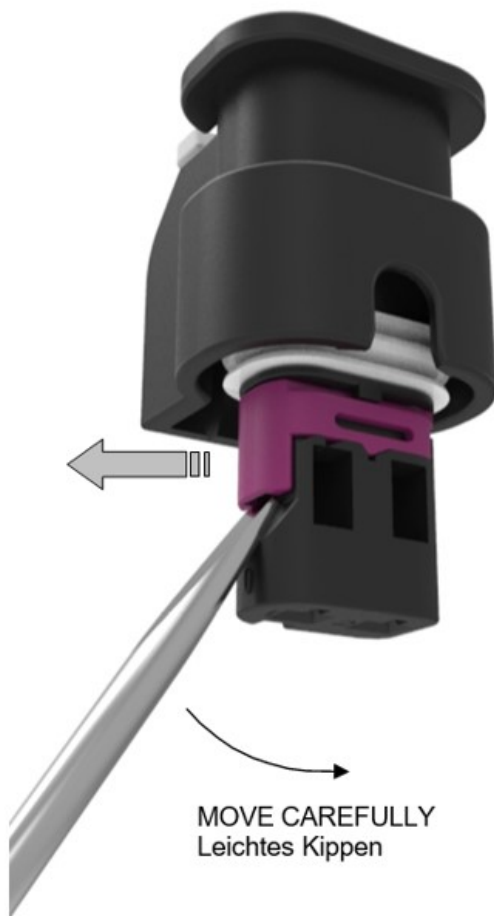
2.4 RETAINER ENGAGE INSTRUCTIONS

INSERTION OF THE RETAINER TO END-LOCKED POSITION



2.5 RETAINER DISENGAGE INSTRUCTIONS

PLACE THE EXTRACTION TOOL (E.G. SCREWDRIVER) IN THE SHOWN PLACE TO DISENGAGE THE RETAINER.



MOVE CAREFULLY
Leichtes Kippen

RETAINER ONLY TO MOVE TO THE PRE-LOCKED POSITION



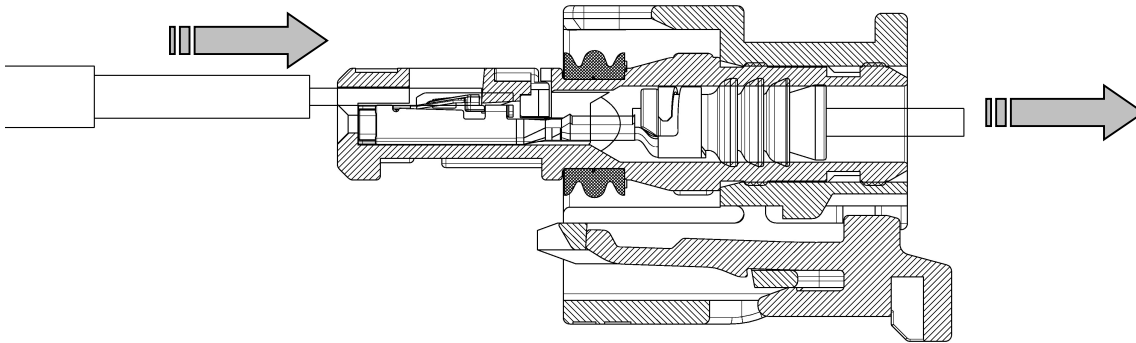
END-LOCKED POSITION
Endrastposition



PRE-LOCKED POSITION
Vorrastposition

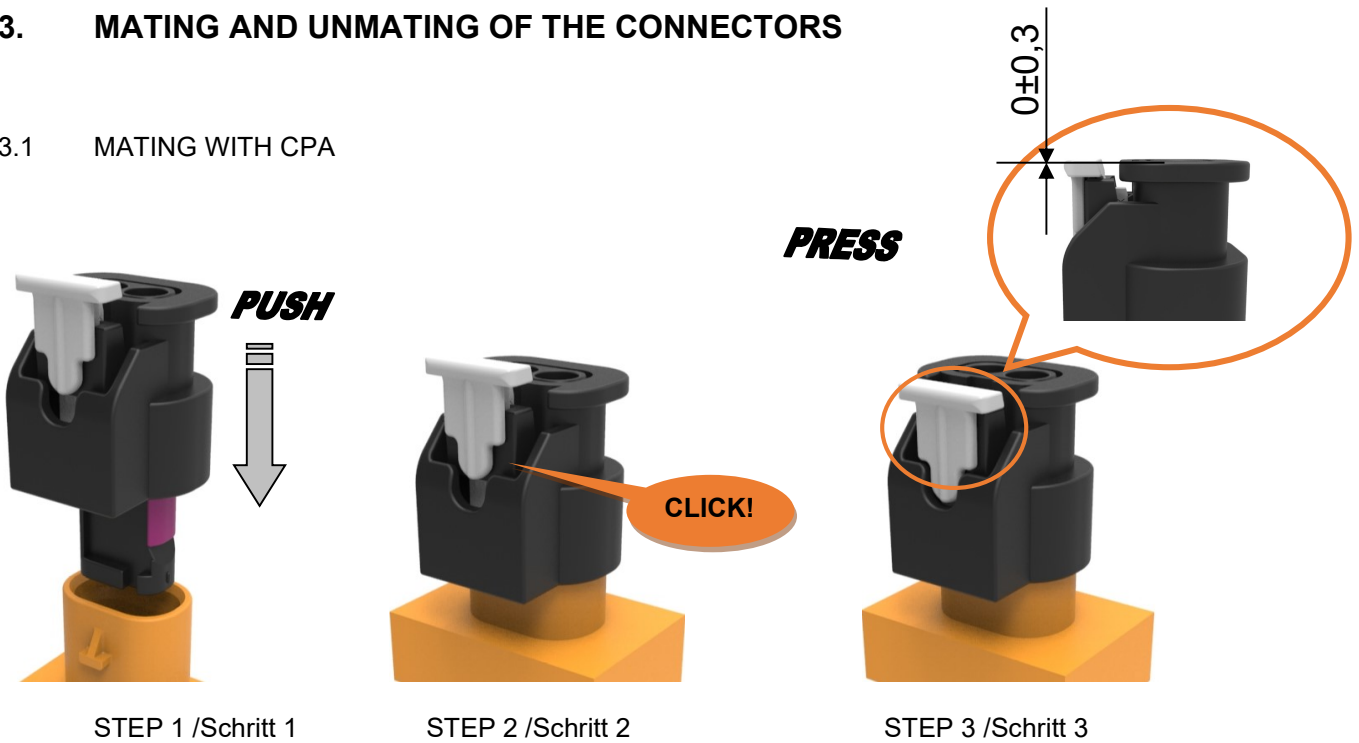
2.6 TERMINAL REMOVAL INSTRUCTIONS

INSERT THE EXTRACTION TOOL (TYCO-PN: 5-1579007-3) TO LOCKING HOOK. THE TERMINALS CAN BE REMOVED BY PULLING THE CABLE AND SIMULTAENEOUSLY BENDING THE LOCKING HOOK

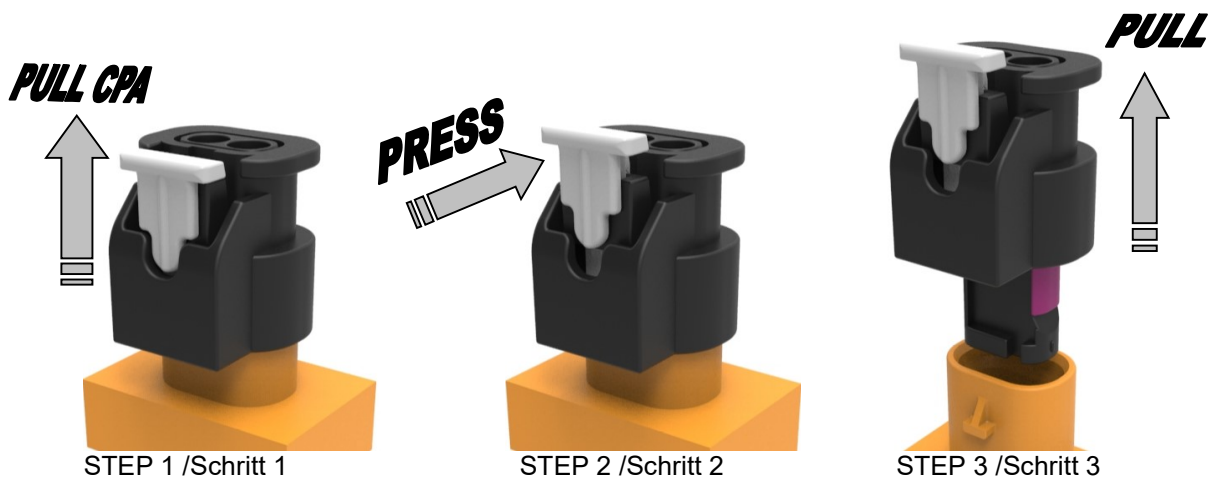


3. MATING AND UNMATING OF THE CONNECTORS

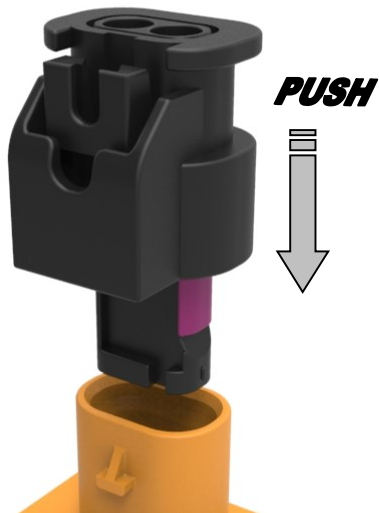
3.1 MATING WITH CPA



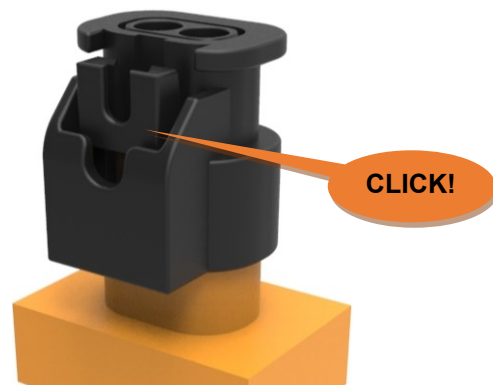
3.2 UNMATING WITH CPA



3.3 MATING WITHOUT CPA

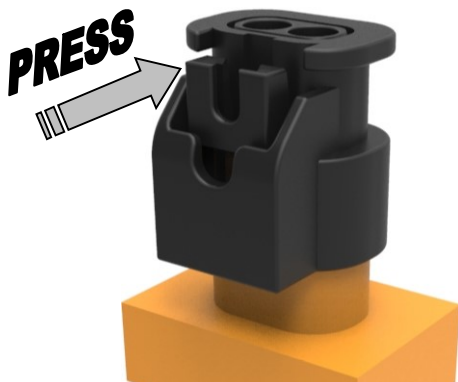


STEP 1

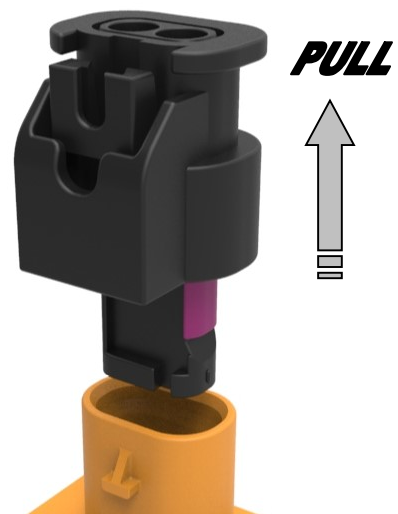


STEP 2

3.4 UNMATING WITHOUT CPA



STEP 1



STEP 2

DOCUMENT CHANGE HISTORY

CHANGE HISTORY	NAME	DATE	REV	CHANGE
	-	18SEP2007	A	Initial document
	Sz. Nemes	11AUG2013	A1	Point 1.3.3 - 1.3.6 added
	Sz. Nemes	26SEP2019	A2	Cosmetical update Wire insulation info added for 1,5mm ² cable
	Sz. Nemes	13DEC2023	A3	Information on SWS protrusion added