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

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#### 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)

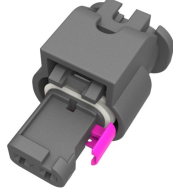
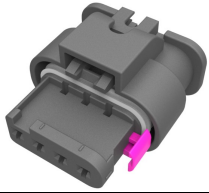
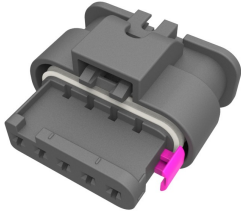
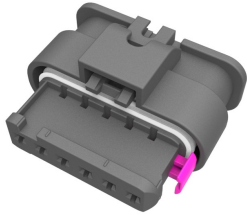
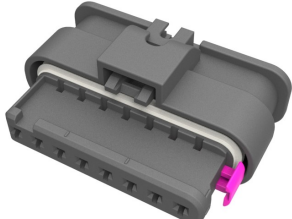
### 1.2 CUSTOMER DRAWINGS

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

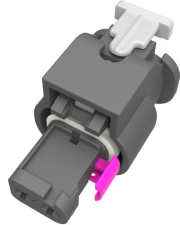
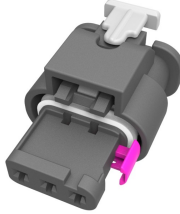
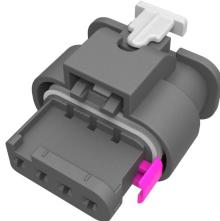
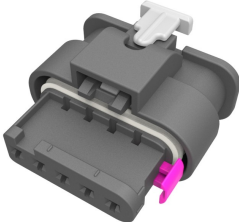
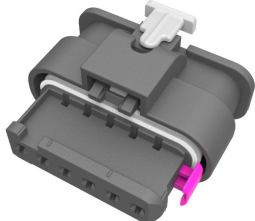
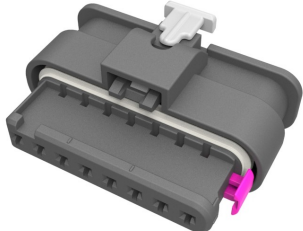
INTERFACE SPECIFICATION:  
SEE TYCO ELECTRONICS FRAME SPECIFICATION: **114-18679-3**

1.3 DELIVERY CONDITION


1.3.1 CONNECTORS WITHOUT CPA

<p>2pos. MCON 1.2 – LL Connector</p>	
<p>3pos. MCON 1.2 – LL Connector</p>	
<p>4pos. MCON 1.2 – LL Connector</p>	
<p>5pos. MCON 1.2 – LL Connector</p>	
<p>6pos. MCON 1.2 – LL Connector</p>	
<p>8pos. MCON 1.2 – LL Connector</p>	

1.3.2 CONNECTORS WITH CPA

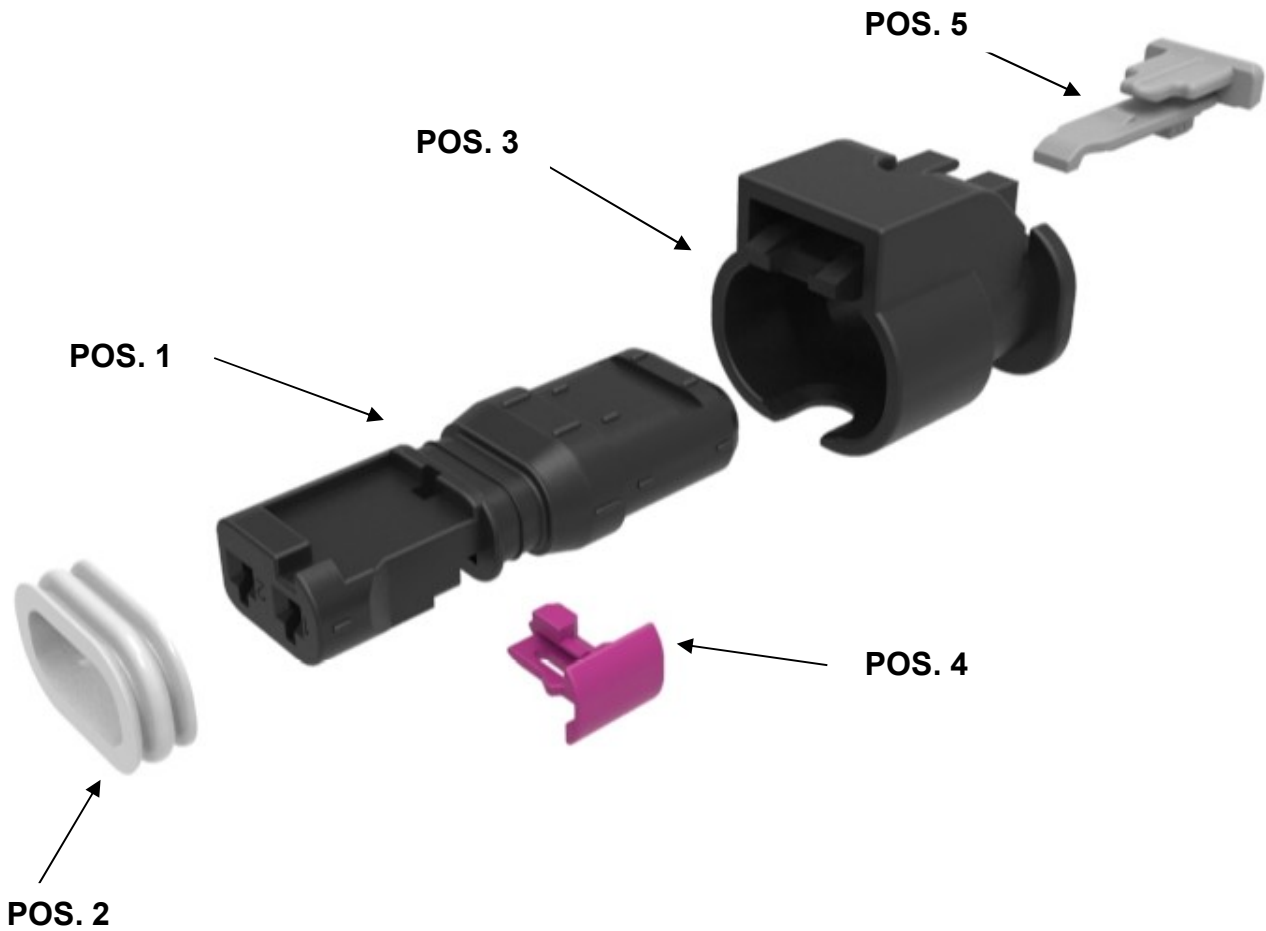
<p>2pos. MCON 1.2 – LL Connector</p>	
<p>3pos. MCON 1.2 – LL Connector</p>	
<p>4pos. MCON 1.2 – LL Connector</p>	
<p>5pos. MCON 1.2 – LL Connector</p>	
<p>6pos. MCON 1.2 – LL Connector</p>	
<p>8pos. MCON 1.2 – LL Connector</p>	

1.3.3 TERMINALS

<p>MCON 1.2 – LL Terminals</p>	<p>CUSTOMER DRAWING <b>1452674</b></p> <p>APPLICATION SPEC. <b>114-18464</b></p> <p>PRODUCT SPEC. <b>108-18782</b></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

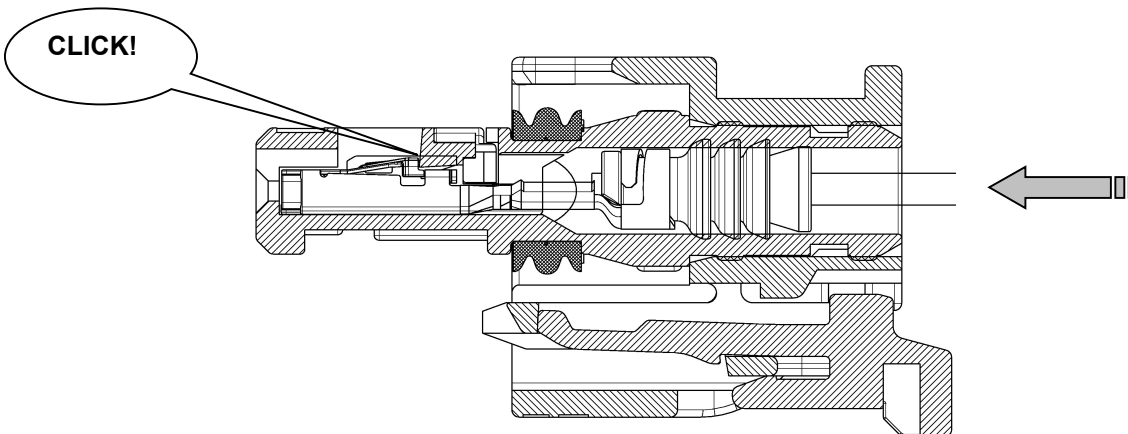
2.2 TERMINAL INSERTION INSTRUCTIONS

INSERTION DIRECTION

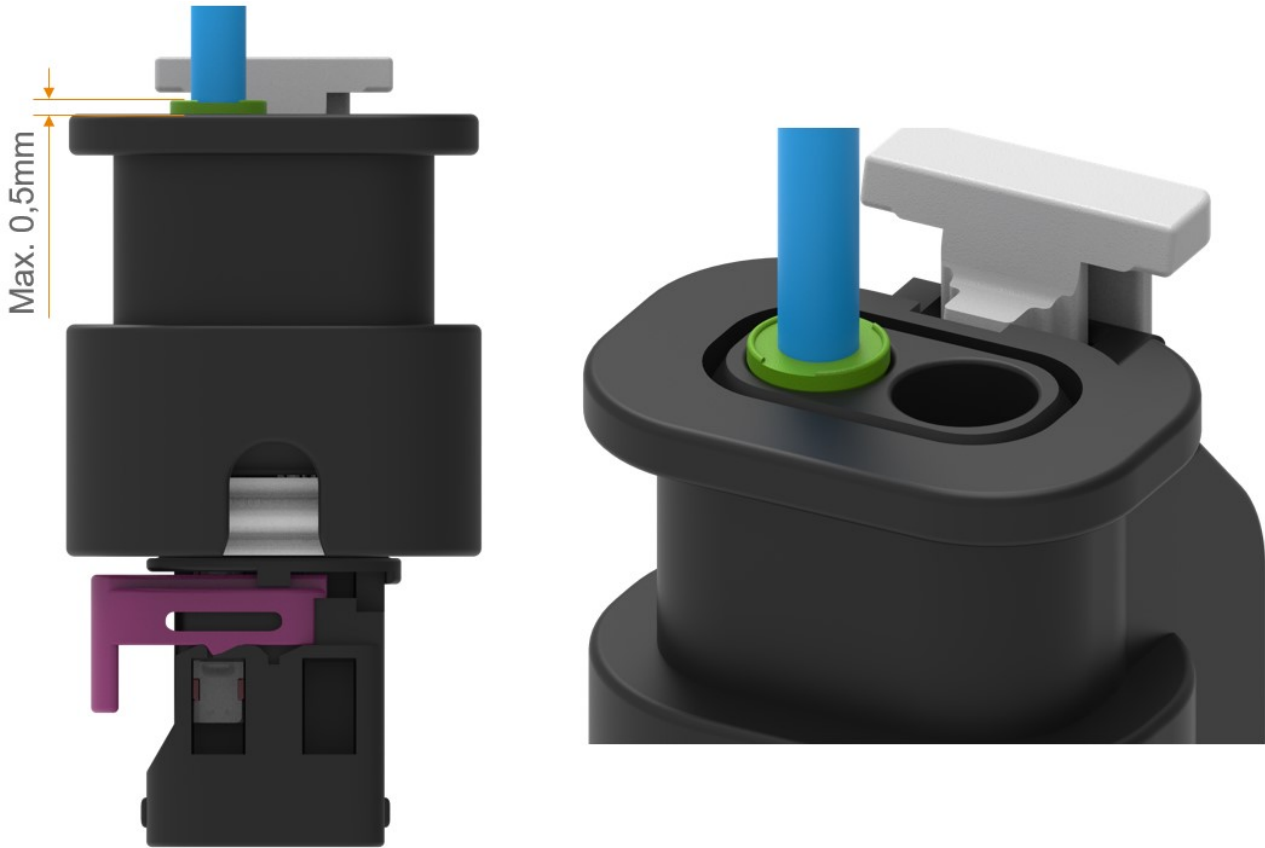
ORIENTATION FEATURE OF THE TERMINAL.



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



IN CASE OF 1mm<sup>2</sup> 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

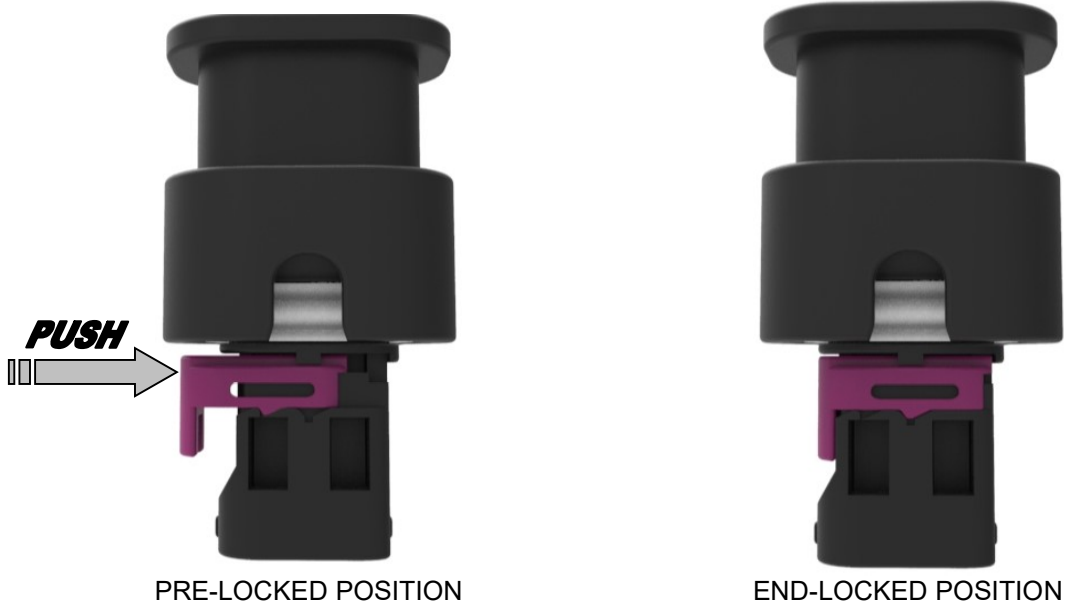
SEE ALSO THE CUSTOMER DRAWINGS **1452674**

Accessories							
Wire			Part numbers				
Type (DIN 76772)	Ø	mm <sup>2</sup>	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

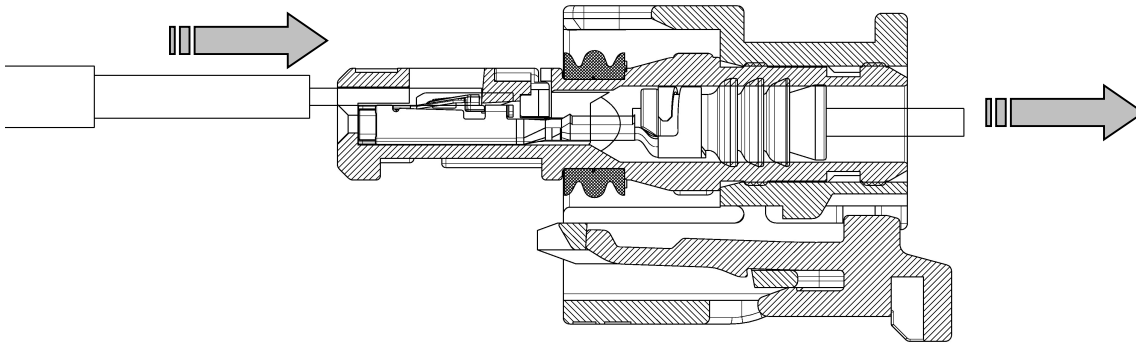
PLACE THE EXTRACTION TOOL (E.G. SCREWDRIVER) IN THE SHOWN PLACE TO DISENGAGE THE RETAINER.



RETAINER ONLY TO MOVE TO THE PRE-LOCKED POSITION

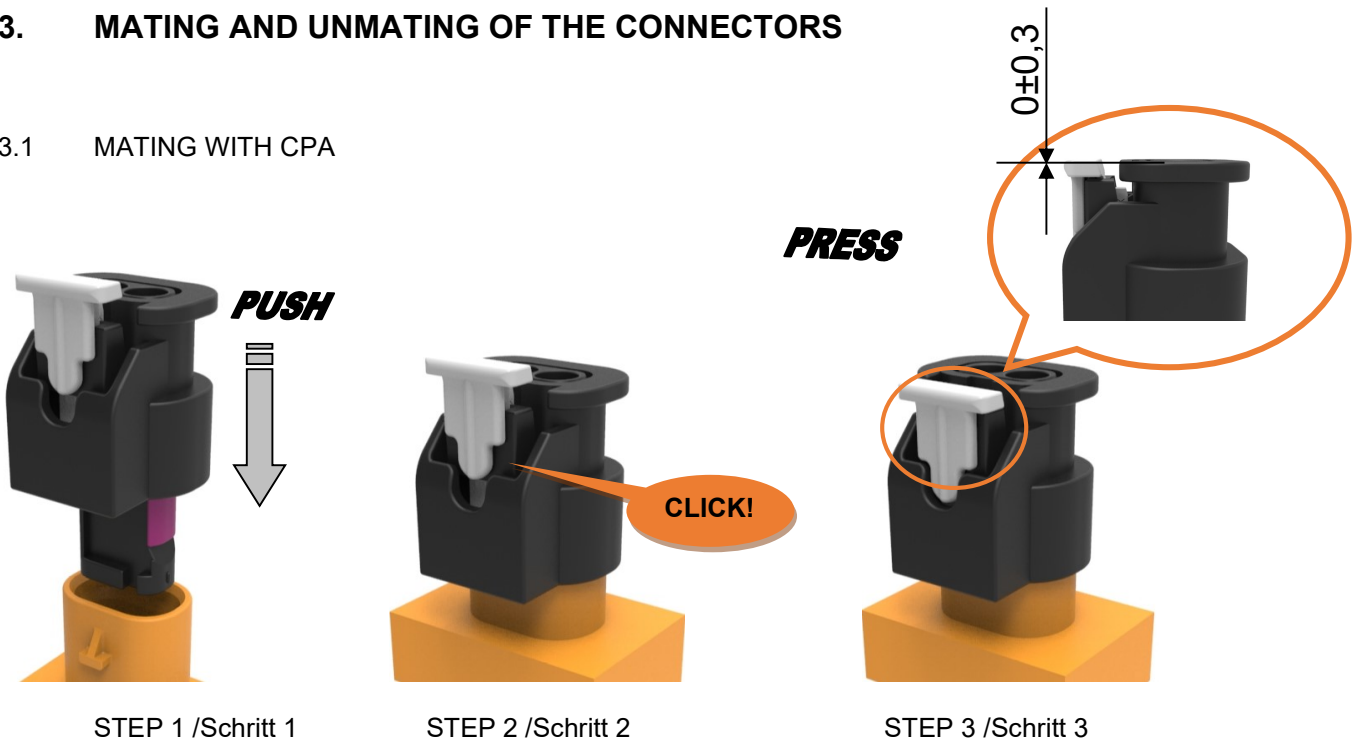
## 2.6 TERMINAL REMOVAL INSTRUCTIONS

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

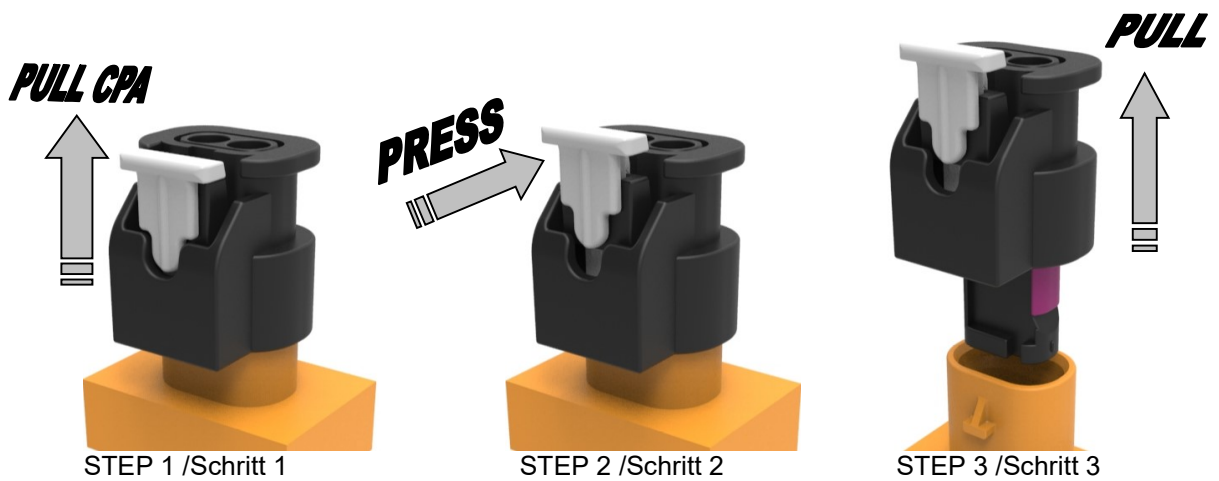


### 3. MATING AND UNMATING OF THE CONNECTORS

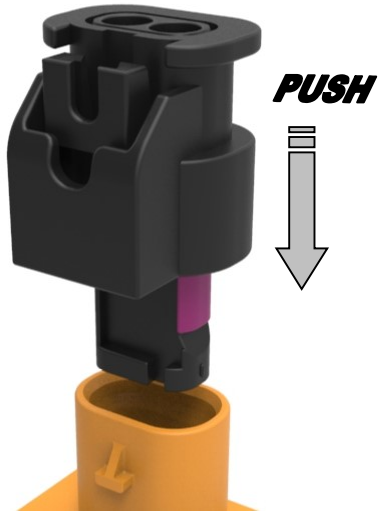
#### 3.1 MATING WITH CPA



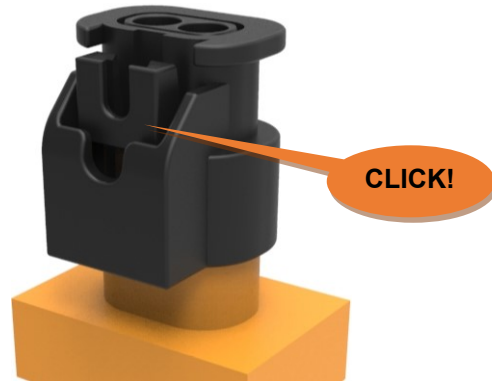
#### 3.2 UNMATING WITH CPA



3.3 MATING WITHOUT CPA

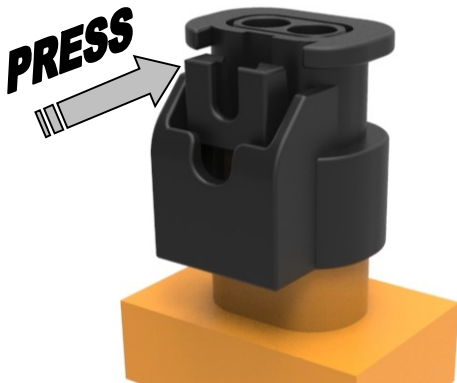


STEP 1

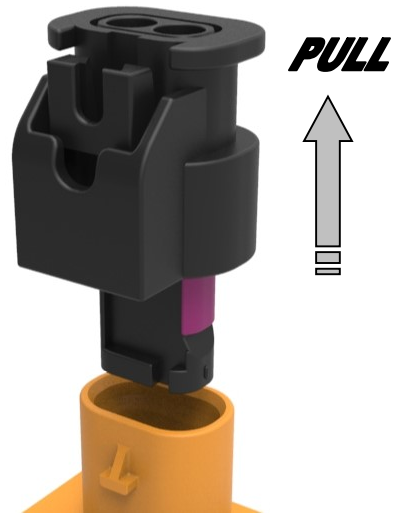


STEP 2

3.4 UNMATING WITHOUT CPA



STEP 1



STEP 2

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**DOCUMENT CHANGE HISTORY**

	<b>NAME</b>	<b>DATE</b>	<b>REV</b>	<b>CHANGE</b>
<b>CHANGE HISTORY</b>	-	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 <sup>2</sup> cable
	Sz. Nemes	13DEC2023	A3	Information on SWS protrusion added