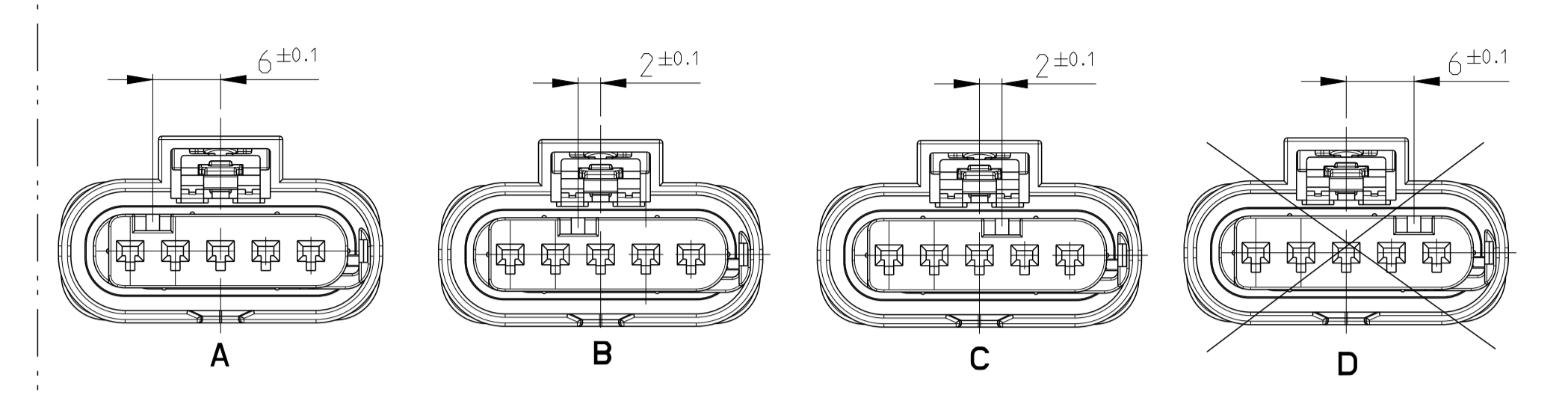


CODINGS  
Kodierungen  
M 2:1

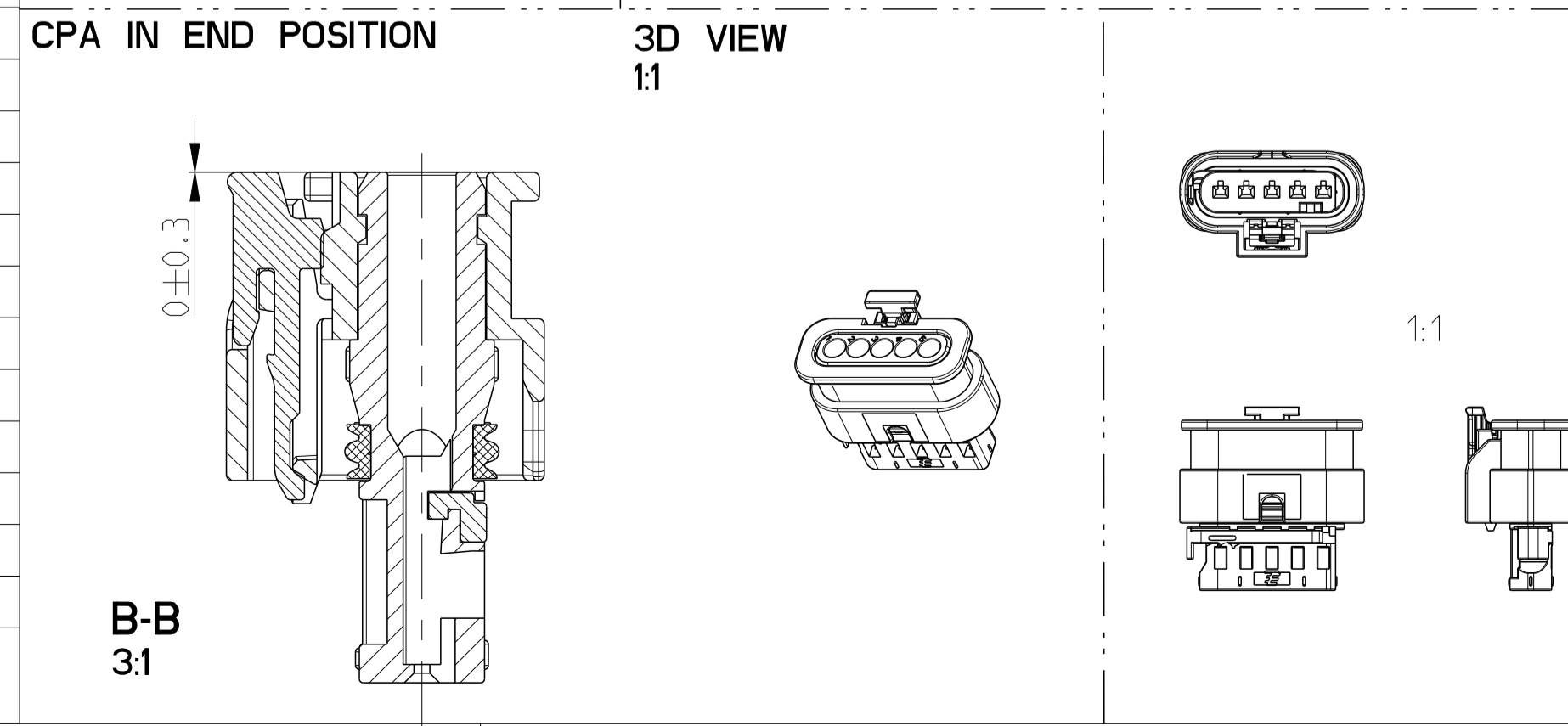
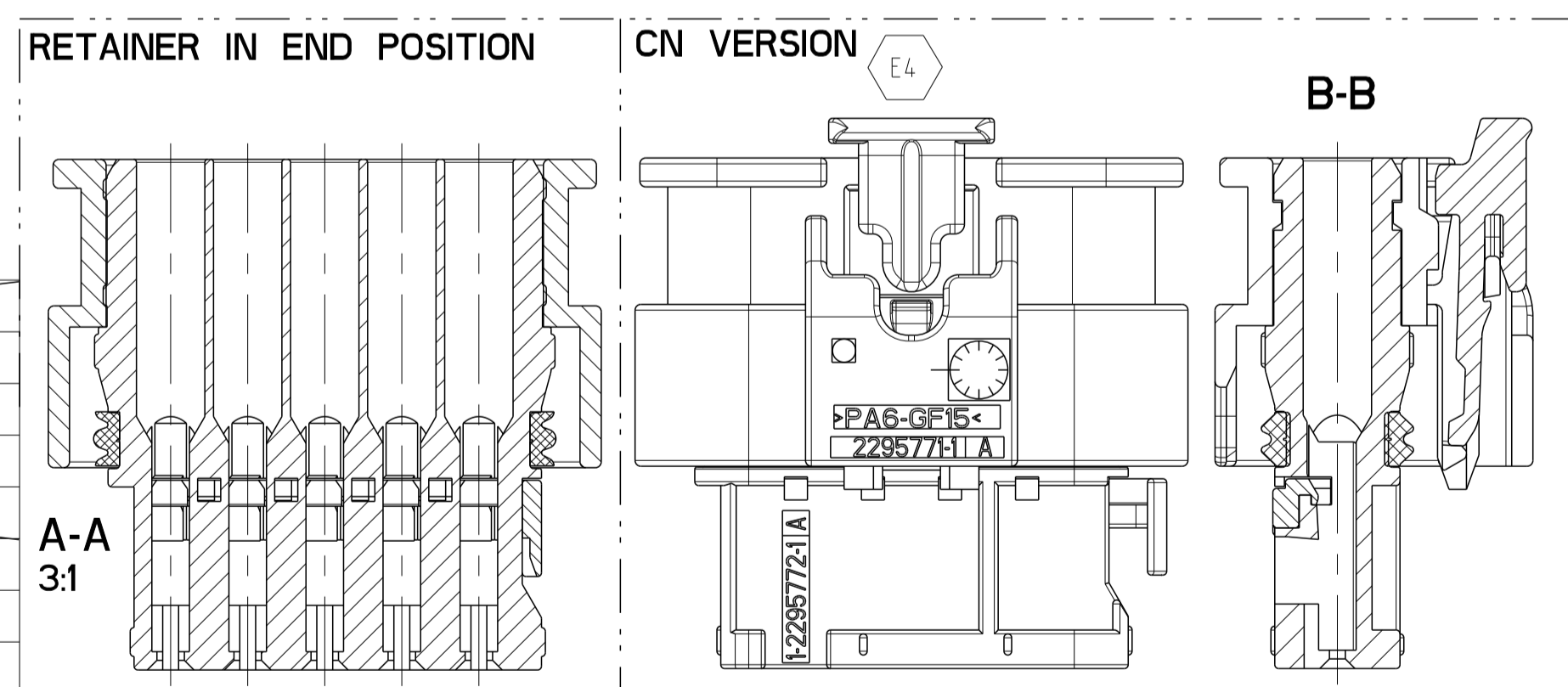


REVISIONS				
P.	LTN	DESCRIPTION	DATE	OWN APVD
E1	3-1718806-1	ADDED TO BOM	22JUN2017	SZN RT
E2		LASERPRINT UPDATED WITH CN MANUF	13FEB2018	SZN RT
E3		DIVERGENT VERSION ADDED	10AUG2018	LSZ SZN
E4		LASER PRINT UPDATED WITH CN LOCATION	06AUG2019	SZN LSZ

NOTES:  
Bemerkungen:

- ONLY THE GERMAN LANGUAGE VERSION IS AUTHORITATIVE  
Massgebend ist nur der deutsche Text
- AREA FOR PRINT  
Bereich für Bedruckung.
- USABLE CONTACTS MCON 1.2  
SEE TE Connectivity -NO. 1452674, VERSION SINGLE WIRE SEAL  
Verwendbare Kontakte MCON 1.2  
siehe TE Connectivity -Zeichnung 1452674, Ausfuehrung Einzeldichtung
- MAX. WIRE SIZE RANGE 1.0 mm<sup>2</sup> FLR PERMITTED  
FOR CAVITY-Ø 3.55MM  
QUANTITY SEE WIRE HARNESS DRAWING  
FOR PERMISSIBLE CURRENT CARRYING CAPACITY OF THE SINGLE CONTACT  
SEE PRODUCT SPECIFICATION NO.108-18782  
max. zulaessiger Leitungsquerschnitt 1.0 mm<sup>2</sup> FLR.  
für Kammer-Ø 3.55mm  
die Stueckzahl ist im Leitungssatz festgelegt  
die zulaessige Strombelastbarkeit für die einzelnen Kontakte ist  
der Spezifikation 108-18782 zu entnehmen
- SUPPLIER-MARK  
Lieferantenkennzeichnung
- SPACE OF ACTIVITY  
Betaetigungsfreiraum
- SUPPLY CONDITION: CPA IN PRELOCKED POSITION  
Auslieferungszustand: Gehaeusesicherung in Vorraststellung
- SUPPLY CONDITION: RETAINER IN PRELOCKED POSITION  
Auslieferungszustand: Zweite Kontaktsicherung in Vorraststellung
- WARPAGE PERMITTED TO MAX. -0.5mm  
Verzug zulaessig bis max. -0.5mm
- TE Connectivity ORDER-NO.  
TE Connectivity Bestell-Nr.
- ACCORDING TO INTERFACE DRAWING  
SEE TE-NO. 114-18679-3  
Passend zur Schnittstellen-Zeichnung  
siehe TE-Nr. 114-18679-3
- ASSEMBLY LINE SEGMENT IDENTIFICATION  
Markierung für Segment der Assembly Anlage
- DATE CODE (DDYY)  
Datum Kodierung (TTJJ)
- OPTIONAL-DIVERGENT MARKING FOR PARTS FROM CHINESE AND U.S. PRODUCTION  
Abweichende Beschriftung zulaessig fuer Teile aus China und U.S.  
Produktion.

TE-ORDER-NO.	COD	TITLE	REV	QTY	TITLE	MATERIAL	SURFACE/COLOUR	ITEM
4-1718806-1	D	5pos. MCON 1.2 - LL Connector, Sealed	D	1	MCON 1.2 - CPA	PA46-GF15	GRAY SIML. TO RAL 7037	5
				1	5pos. MCON 1.2 - Seal	MVQ-30	NATURE	4
				1	5pos. MCON 1.2 - Retainer	PA66-GF15	VIOLETT SIML. TO RAL 4006	3
				1	5pos. MCON 1.2 - Protec. Cover	PA6-GF15	VIOLETT SIML. TO RAL 9011	2
				1	5pos. MCON 1.2 - Recept. Hsg	PA66-GF30	GRAY SIML. TO RAL 4004	1
3-1718806-1	C	5pos. MCON 1.2 - LL Connector, Sealed	E	1	MCON 1.2 - CPA	PA46-GF15	GRAY SIML. TO RAL 7037	5
				1	5pos. MCON 1.2 - Seal	MVQ-30	NATURE	4
				1	5pos. MCON 1.2 - Retainer	PA66-GF15	VIOLETT SIML. TO RAL 4006	3
				1	5pos. MCON 1.2 - Protec. Cover	PA6-GF15	VIOLETT SIML. TO RAL 9011	2
				1	5pos. MCON 1.2 - Recept. Hsg	PA66-GF30	BLUE SIML. TO RAL 5012	1
2-1718806-1	B	5pos. MCON 1.2 - LL Connector, Sealed	E	1	MCON 1.2 - CPA	PA46-GF15	GRAY SIML. TO RAL 7037	5
				1	5pos. MCON 1.2 - Seal	MVQ-30	NATURE	4
				1	5pos. MCON 1.2 - Retainer	PA66-GF15	VIOLETT SIML. TO RAL 4006	3
				1	5pos. MCON 1.2 - Protec. Cover	PA6-GF15	BLACK SIML. TO RAL 9011	2
				1	5pos. MCON 1.2 - Recept. Hsg	PA66-GF30	NATURE	1
1-1718806-1	A	5pos. MCON 1.2 - LL Connector, Sealed	E	1	MCON 1.2 - CPA	PA46-GF15	GRAY SIML. TO RAL 7037	5
				1	5pos. MCON 1.2 - Seal	MVQ-30	NATURE	4
				1	5pos. MCON 1.2 - Retainer	PA66-GF15	VIOLETT SIML. TO RAL 4006	3
				1	5pos. MCON 1.2 - Protec. Cover	PA6-GF15	BLACK SIML. TO RAL 9011	2
				1	5pos. MCON 1.2 - Recept. Hsg	PA66-GF30	BLACK SIML. TO RAL 9011	1



CODING A AS SHOWN  
Kodierung A wie gezeichnet

**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**  
**勝特力电子(上海) 86-21-34970699**  
**勝特力电子(深圳) 86-755-83298787**  
<http://www.100y.com.tw>

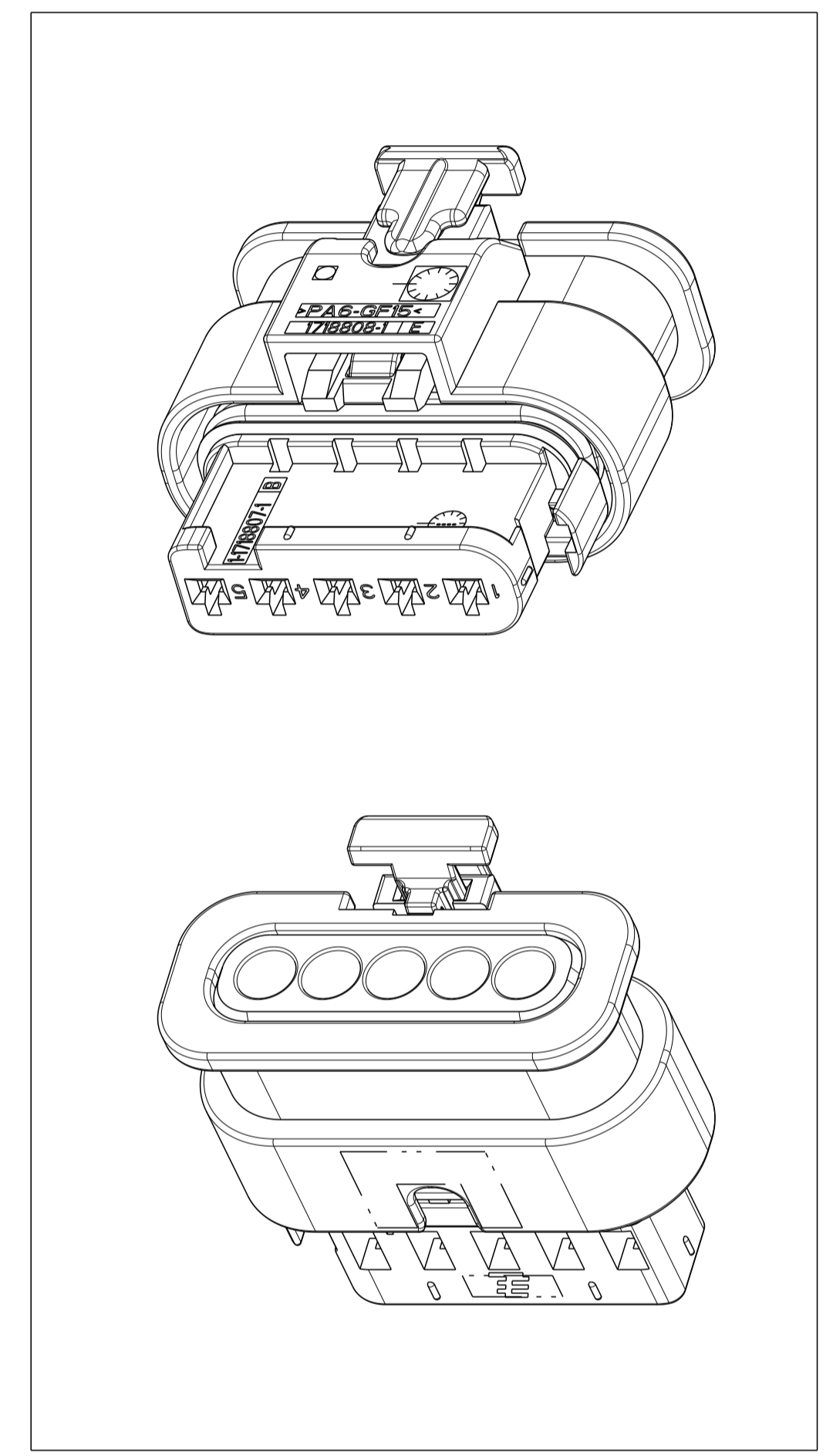
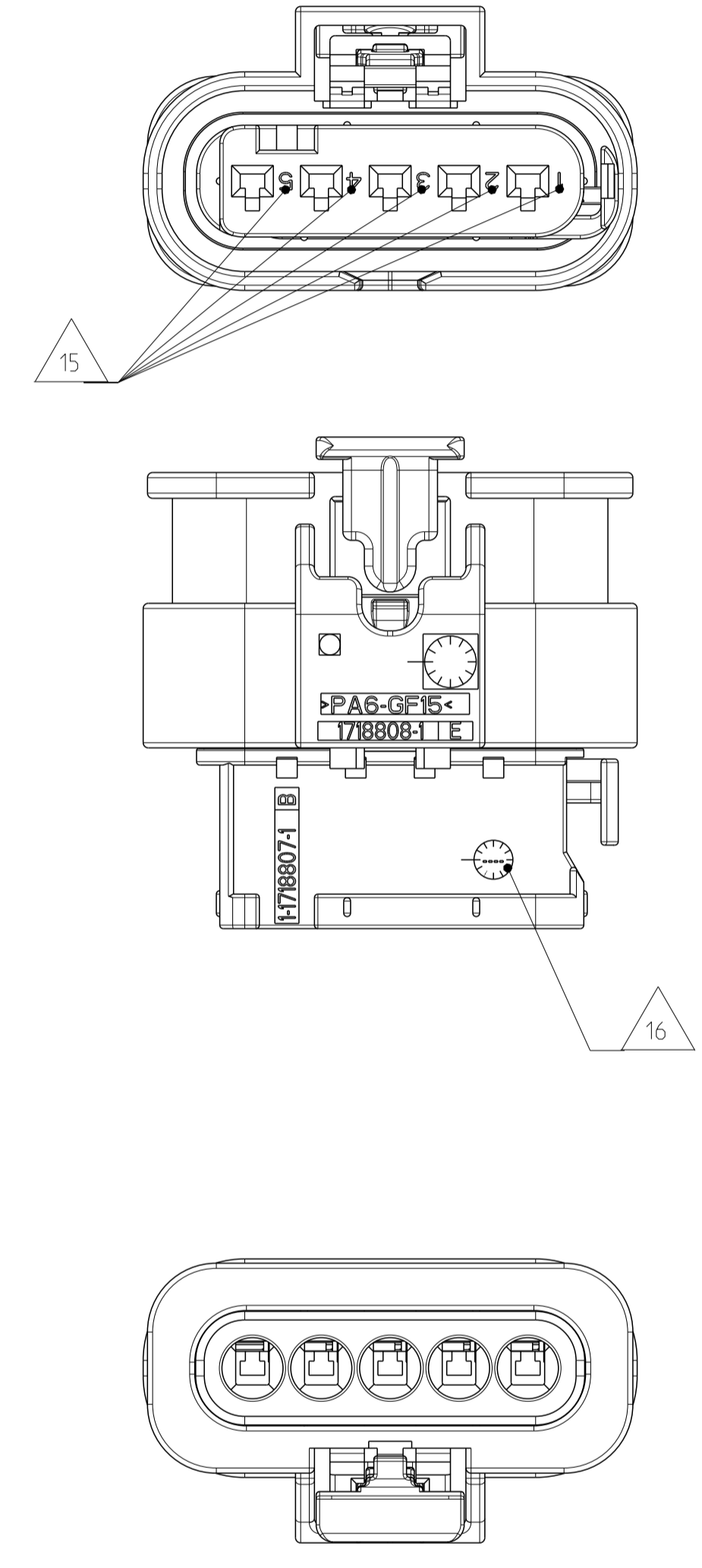
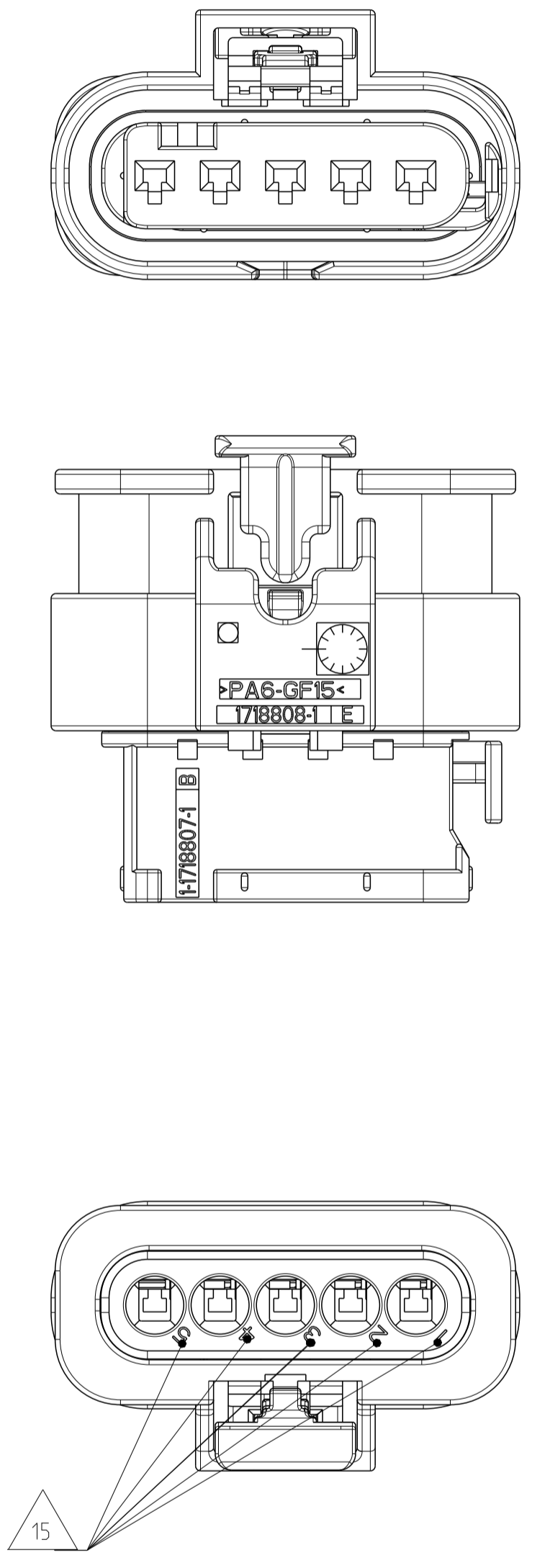
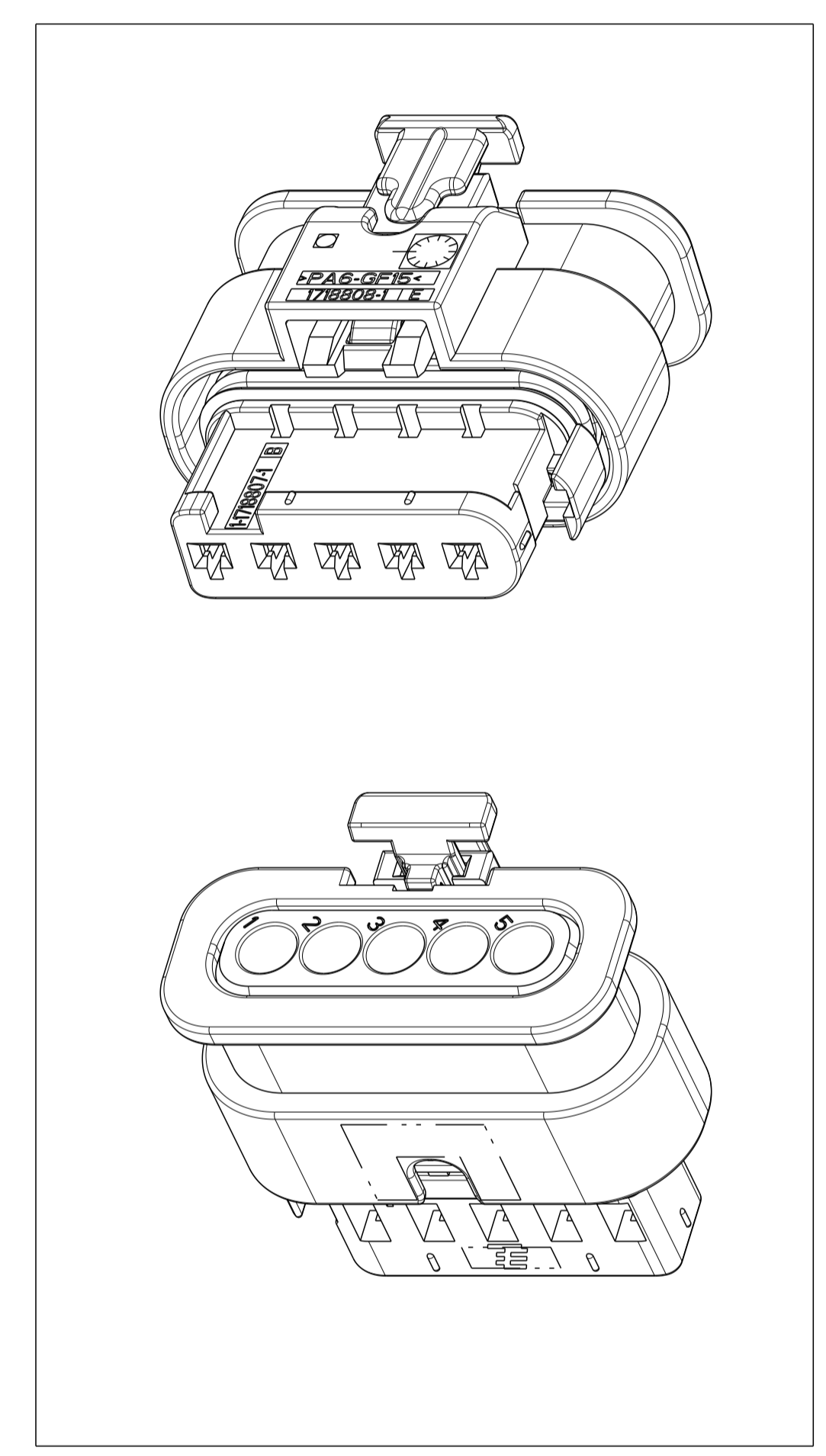
TOLERANCES UNLESS OTHERWISE SPECIFIED ACC. TO DIN 16901-140@CENTRIC TO NOMINAL DIMENSION. EDITION 1982-11 SHALL APPLY. Freimessstoleranzen nach DIN 16901-140@. Es gilt die Ausgabe 1982-11.		DWN LG_Roth 09AUG2018	
THIS DRAWING IS A CONTROLLED DOCUMENT.		CHK A. Schraebel 17FEB2005	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED	PRODUCT SPEC	NAME
0 PLC ±0.1	0.15	108-18969	5pos. MCON 1.2 LL Connector, Sealed
1 PLC ±0.15	0.2	APPLICATION SPEC	SIZE
2 PLC ±0.2	0.3		A1
3 PLC ±0.3	0.5		
4 PLC ±0.5	1.0		
5 PLC ±1.0	2.0		
FINISH		WEIGHT	
TBD		114-18861	
		CUSTOMER DRAWING	

REVISIONS				
P.	LTN	DESCRIPTION	DATE	APVD
		SEE SHEET 1		

**E3** Divergent marking for parts from various tools 3:1

Version 1

**E3** Version 2



- E3** 15 Contact cavity marking
- 16 Date clock for inner housing

DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.5 1 PLC ±0.13 2 PLC ±0.075 3 PLC ±0.03 4 PLC ±0.0001		DWG: G. Roth 17FEB2005 CHK: A. Schraebel 17FEB2005 APVD: -		<b>TE</b> TE Connectivity	
MATERIAL: TBD		FINISH: -		WEIGHT: -		NAME: 5pos. MCON 1.2 LL Connector, Sealed	
CUSTOMER DRAWING		SCALE: 4:1		SHEET: 2 OF 2		REV: 4	

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

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- 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)

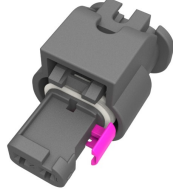
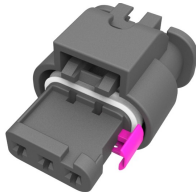
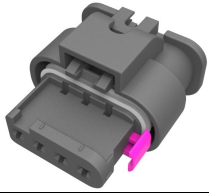
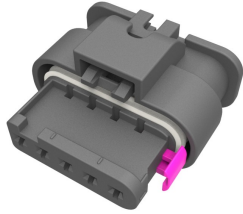
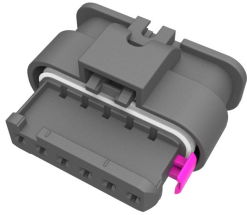
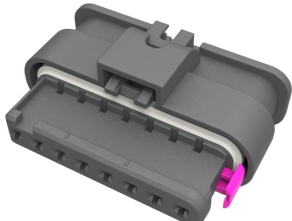
### 1.2 CUSTOMER DRAWINGS

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

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

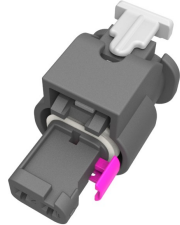
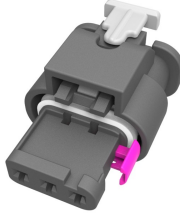
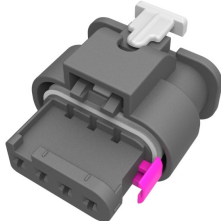
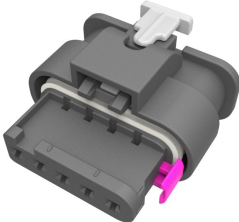
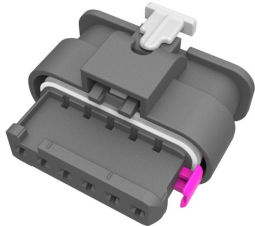
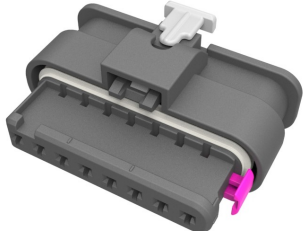
1.3 DELIVERY CONDITION

1.3.1 CONNECTORS WITHOUT CPA


<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

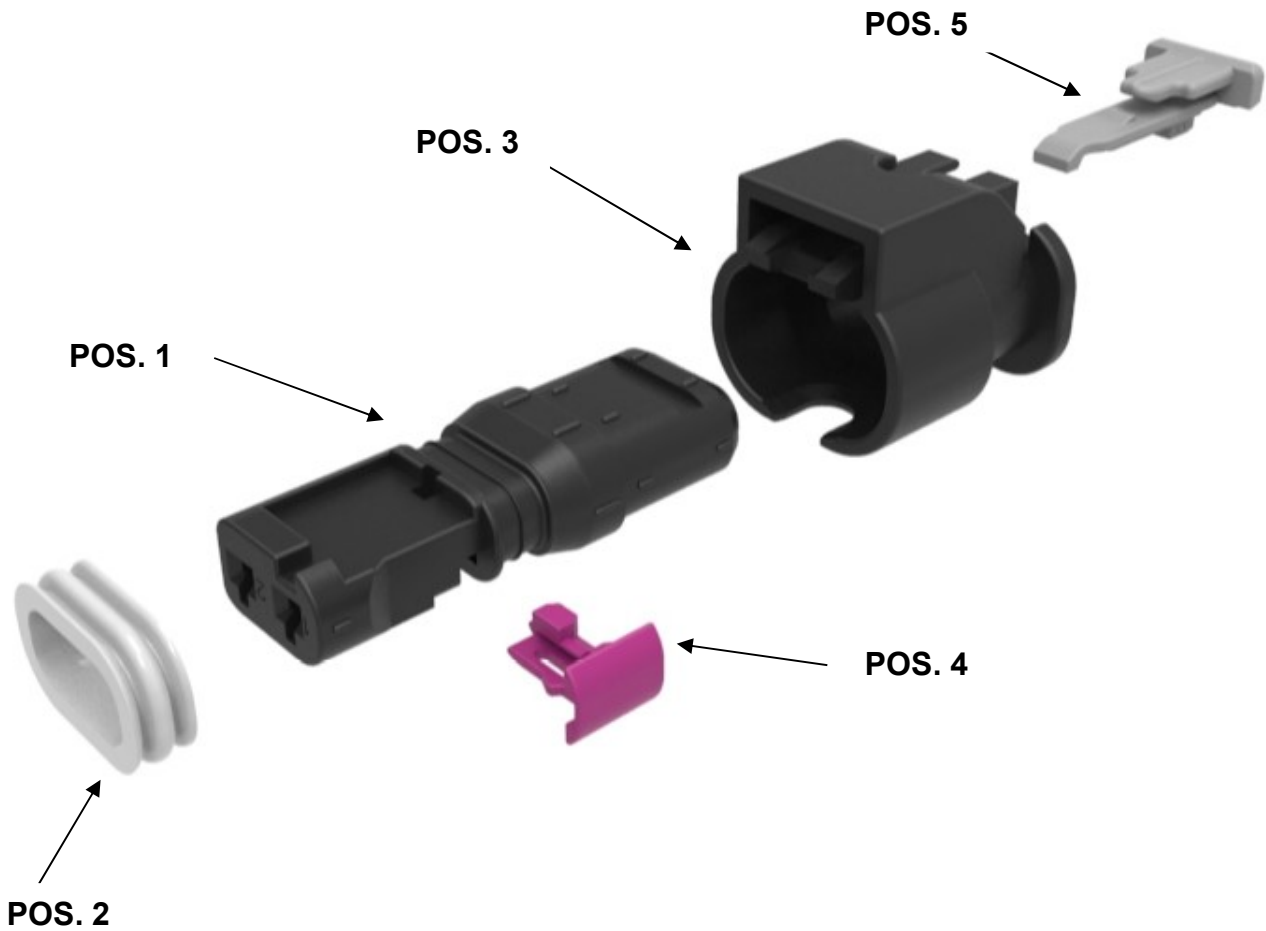
<p>2pos. MCON 1.2 – LL Connector</p>	
<p>3pos. MCON 1.2 – LL Connector</p>	
<p>4pos. MCON 1.2 – LL Connector</p>	
<p>5pos. MCON 1.2 – LL Connector</p>	
<p>6pos. MCON 1.2 – LL Connector</p>	
<p>8pos. MCON 1.2 – LL Connector</p>	

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



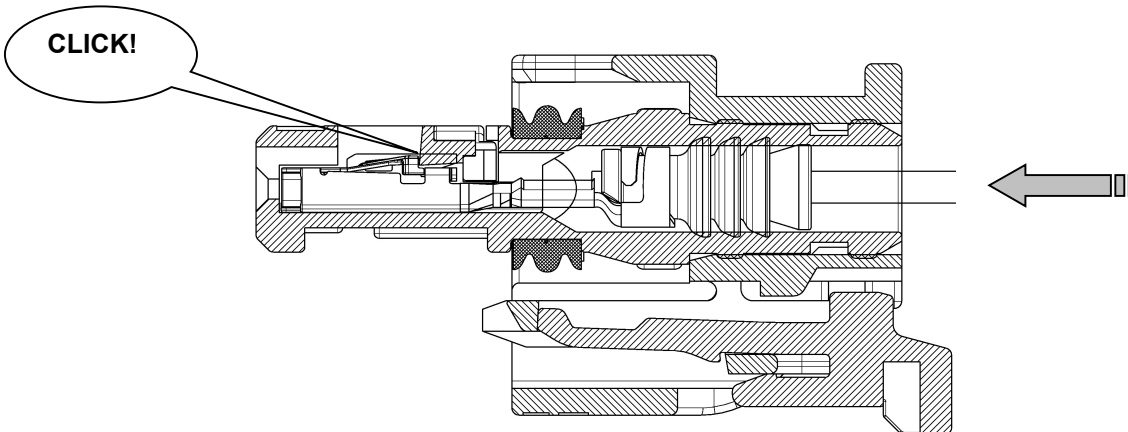
2.2 TERMINAL INSERTION INSTRUCTIONS

INSERTION DIRECTION

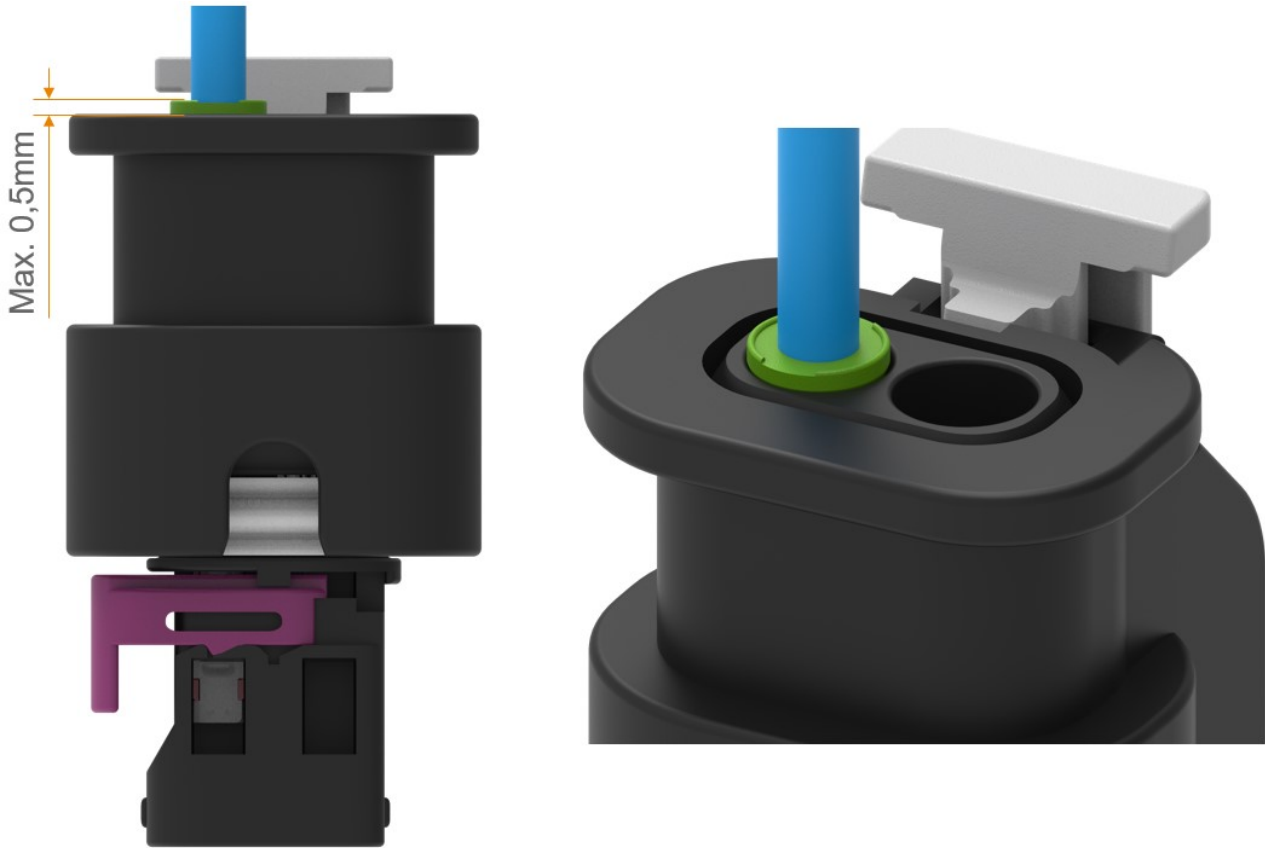
ORIENTATION FEATURE OF THE TERMINAL.



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.



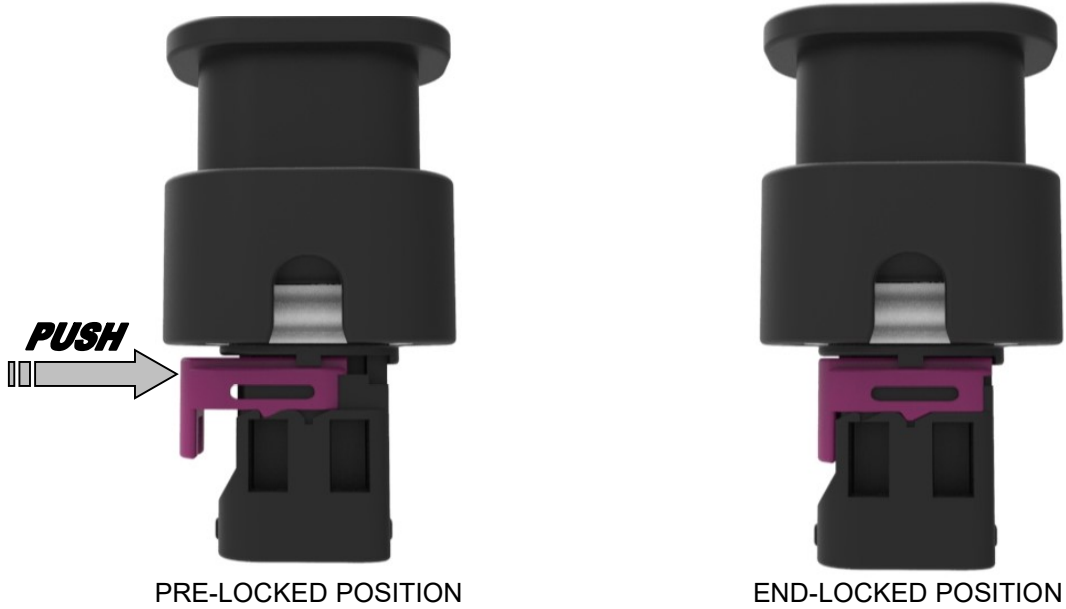
2.3 APPLICABLE WIRES

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

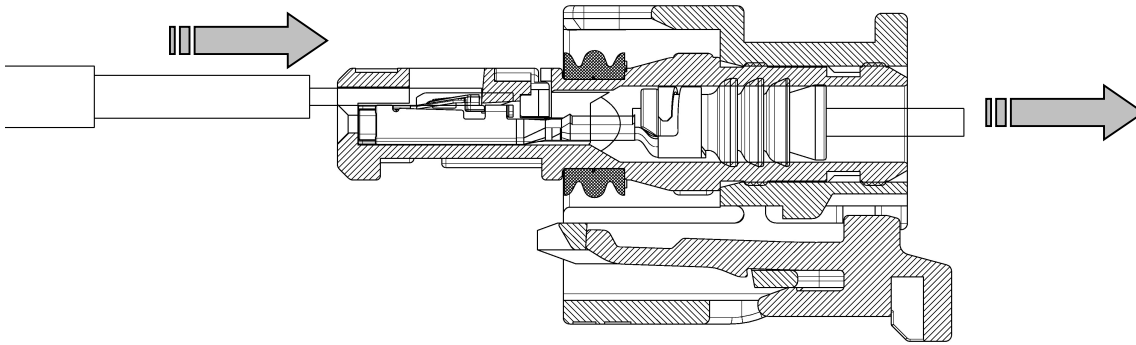
PLACE THE EXTRACTION TOOL (E.G. SCREWDRIVER) IN THE SHOWN PLACE TO DISENGAGE THE RETAINER.



RETAINER ONLY TO MOVE TO THE PRE-LOCKED POSITION

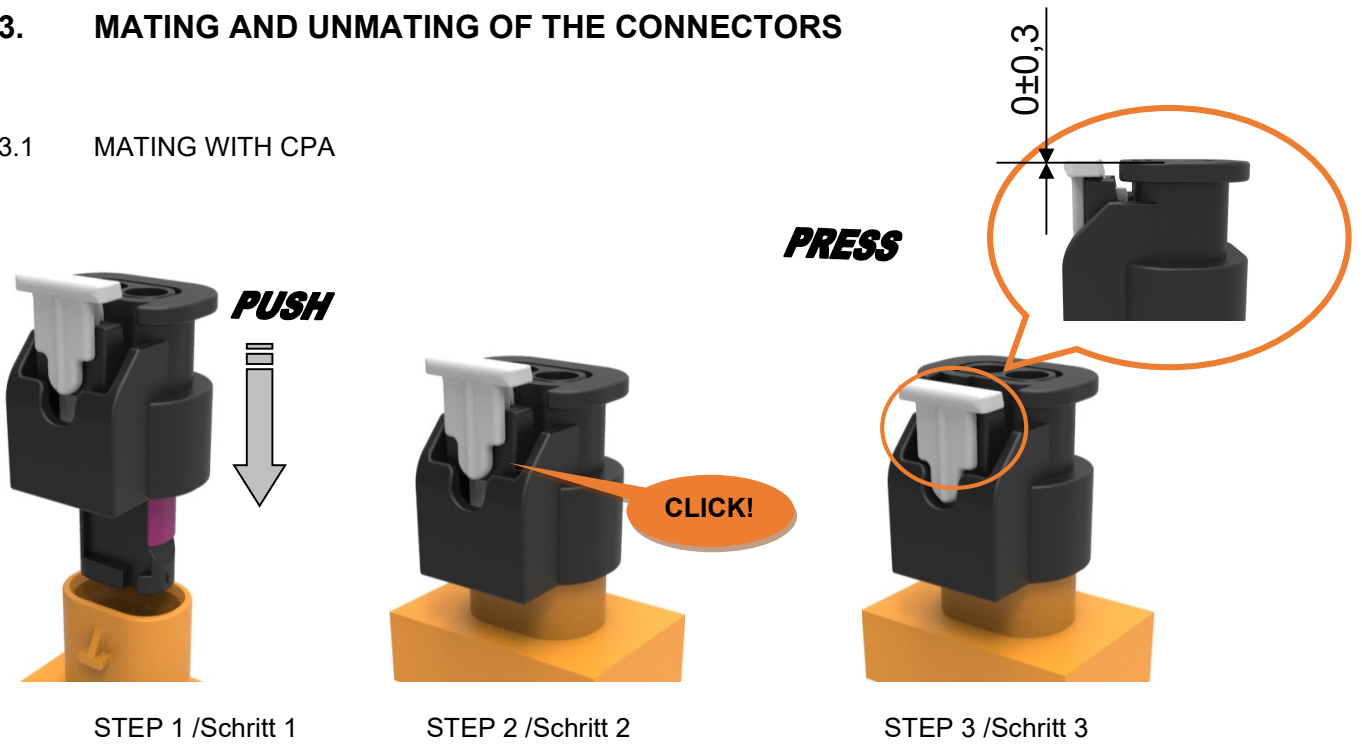
## 2.6 TERMINAL REMOVAL INSTRUCTIONS

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

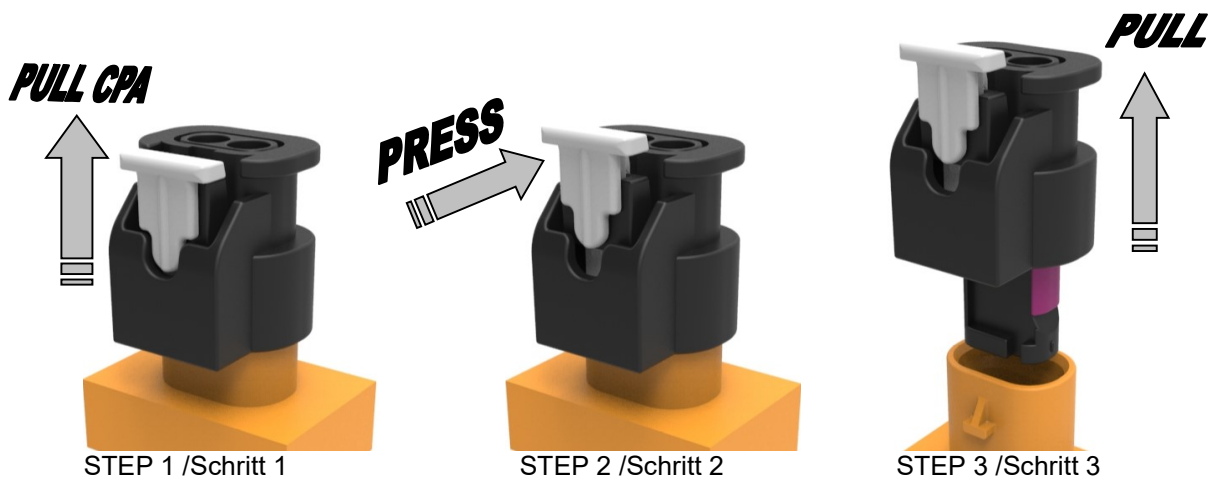


### 3. MATING AND UNMATING OF THE CONNECTORS

#### 3.1 MATING WITH CPA

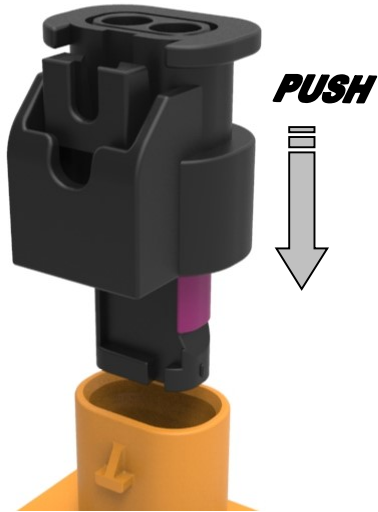


#### 3.2 UNMATING WITH CPA

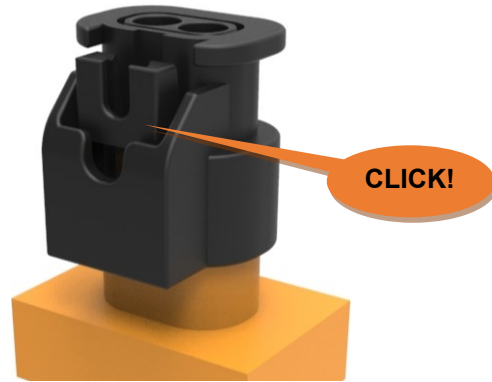




3.3 MATING WITHOUT CPA

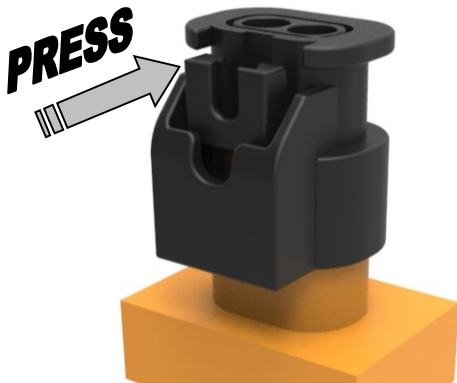


STEP 1

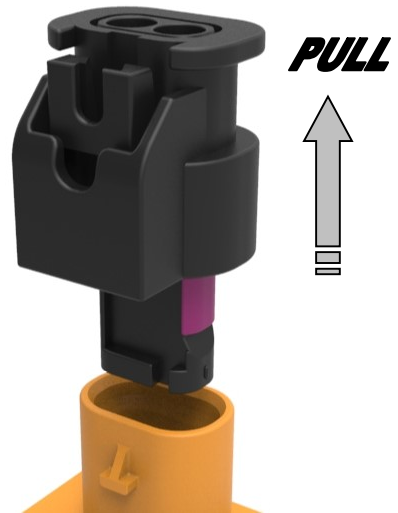


STEP 2

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