

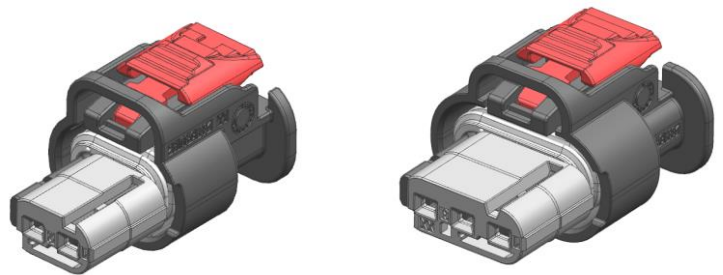
• APTIV •

Assembly Manuals

Female connector 2way 3way

For 120 terminal system

Assembly for harness plant and car assembly



D

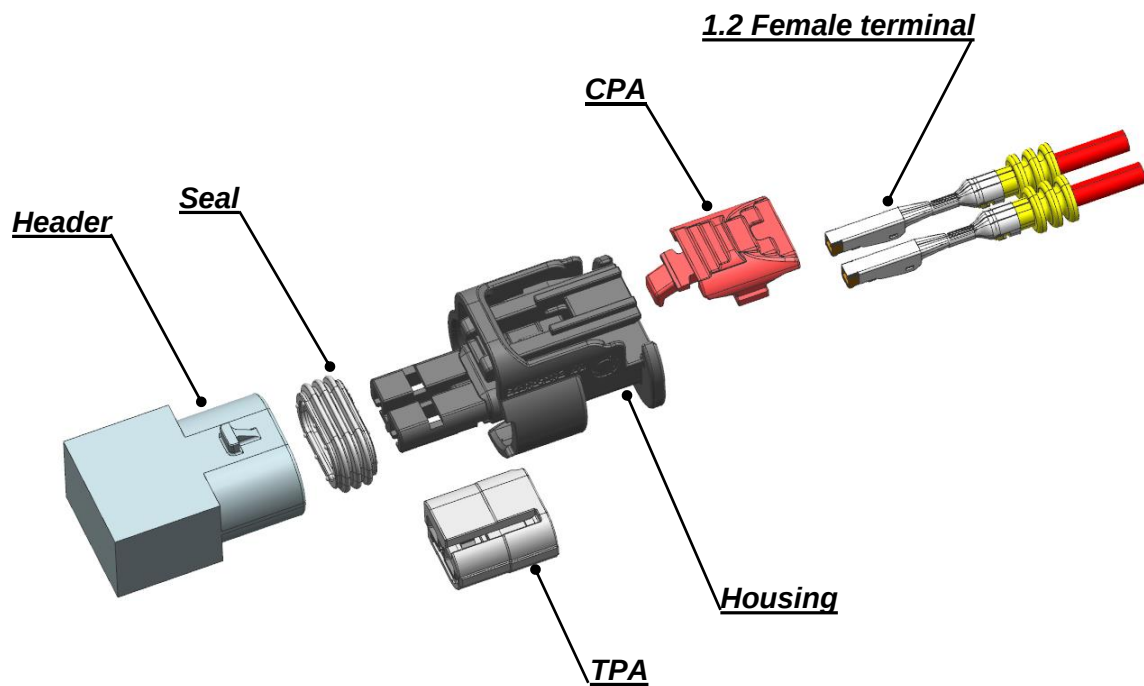
REV01– July 2020

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EXPLODED VIEW



NOTE:

CTS1.2 2WAY 3WAY are all similar and have the same assembly process.
Take 2way conn for example in this assembly manual.

!!! Pictures used in this Assembly Manual and original parts may differ in some details,
This difference has no influence on the assembly process !!!

LIST OF COMPONENTS

CTS1.2 2WAY ASM CONN

Component	APTIV PART- NO.	AMOUNT
ASM DPN	35387382 (Code A/TPA GRA) 35387385 (Code B/TPA NAT) 35387386 (Code C/TPA BLU)	1
Housing	35387378	1
TPA	35126415 (Code A GRA) 35126416 (Code B NAT) 35126417 (Code C BLU)	1
SEAL	35121511	1
CPA	35387397	1
1.2 Female terminals	-	Max.2
Plug seal	12198198	Max.2

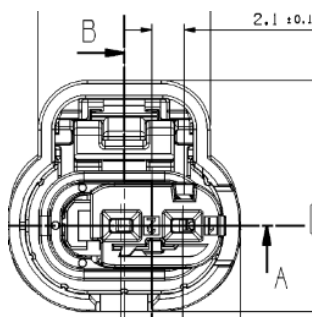
Title	APN	Wire Size	Plating	Cable Seal 1 APN	Cable Seal 2 APN
Female Terminal CTS1.2	13959120	0.22~0.35mm ²	Sn	15327913	13887349
	13959141	0.5~0.75 mm ²	Sn	15327918	13887350
	13948568	1 mm ²	Sn	15339412	13887350
	13959118	0.22~0.35mm ²	Ag	15327913	13887349
	13959121	0.5~0.75 mm ²	Ag	15327918	13887350
	13959139	1 mm ²	Ag	15339412	13887350

STORAGE CONDITIONS BEFORE ASSEMBLY

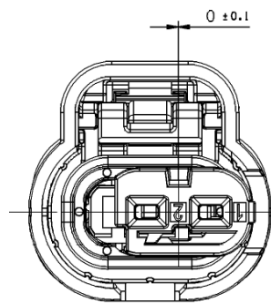
TEMPERATURE:	+18°C to +55°C
RELATIVE HUMIDITY:	45% to 85%
ATMOSPHERIC PRESSURE:	860 hPa to 1060 hPa
STORAGE TIME:	min. 24 hours

VIEW OF VERSIONS

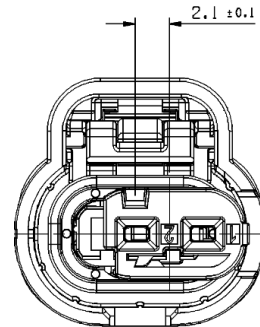
CTS1.2 2WAY ASM CONN



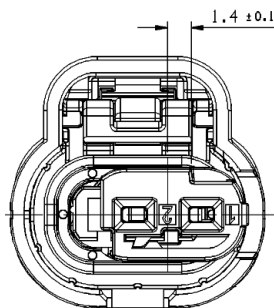
CODE A



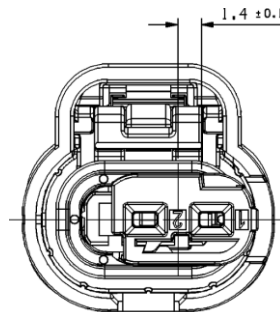
CODE B



CODE C



CODE E



CODE F

LIST OF COMPONENTS

CTS1.2 3WAY ASM CONN

Component	APTIV PART- NO.	AMOUNT
ASM DPN	35387389 (Code A/TPA GRA) 35387390 (Code B/TPA NAT) 35387391 (Code C/TPA BLU) 35387392 (Code D/TPA PPL)	1
Housing	35387379	1
TPA	35126421 (Code A GRA) 35126422 (Code B NAT) 35126424 (Code C BLU) 35126425 (Code D PPL)	1
SEAL	35121511	1
CPA	35387397	1
1.2 Female terminals	-	Max.3
Plug seal	12198198	Max 3

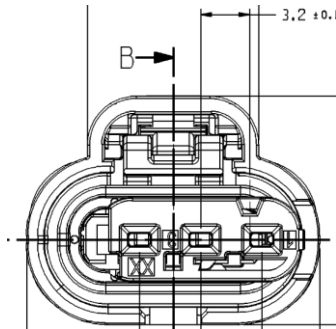
Title	APN	Wire Size	Plating	Cable Seal 1 APN	Cable Seal 2 APN
Female Terminal CTS1.2	13959120	0.22~0.35mm ²	Sn	15327913	13887349
	13959141	0.5~0.75 mm ²	Sn	15327918	13887350
	13948568	1 mm ²	Sn	15339412	13887350
	13959118	0.22~0.35mm ²	Ag	15327913	13887349
	13959121	0.5~0.75 mm ²	Ag	15327918	13887350
	13959139	1 mm ²	Ag	15339412	13887350

STORAGE CONDITIONS BEFORE ASSEMBLY

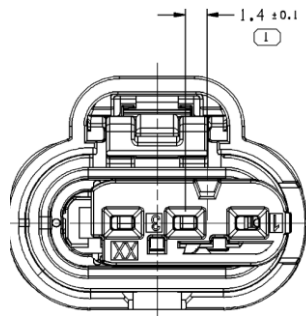
TEMPERATURE:	+18°C to +55°C
RELATIVE HUMIDITY:	45% to 85%
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VIEW OF VERSIONS

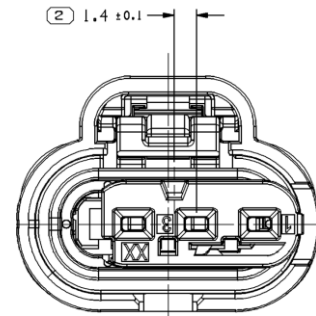
CTS1.2 3WAY ASM CONN



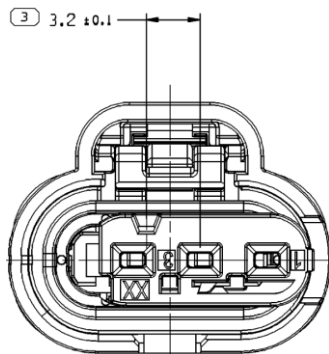
CODE A



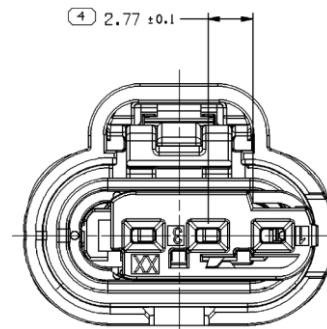
CODE B



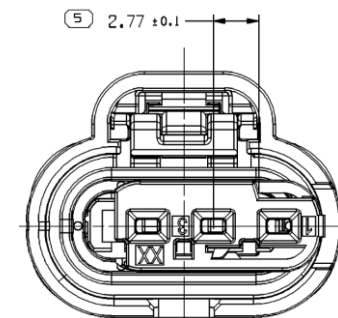
CODE C



CODE D



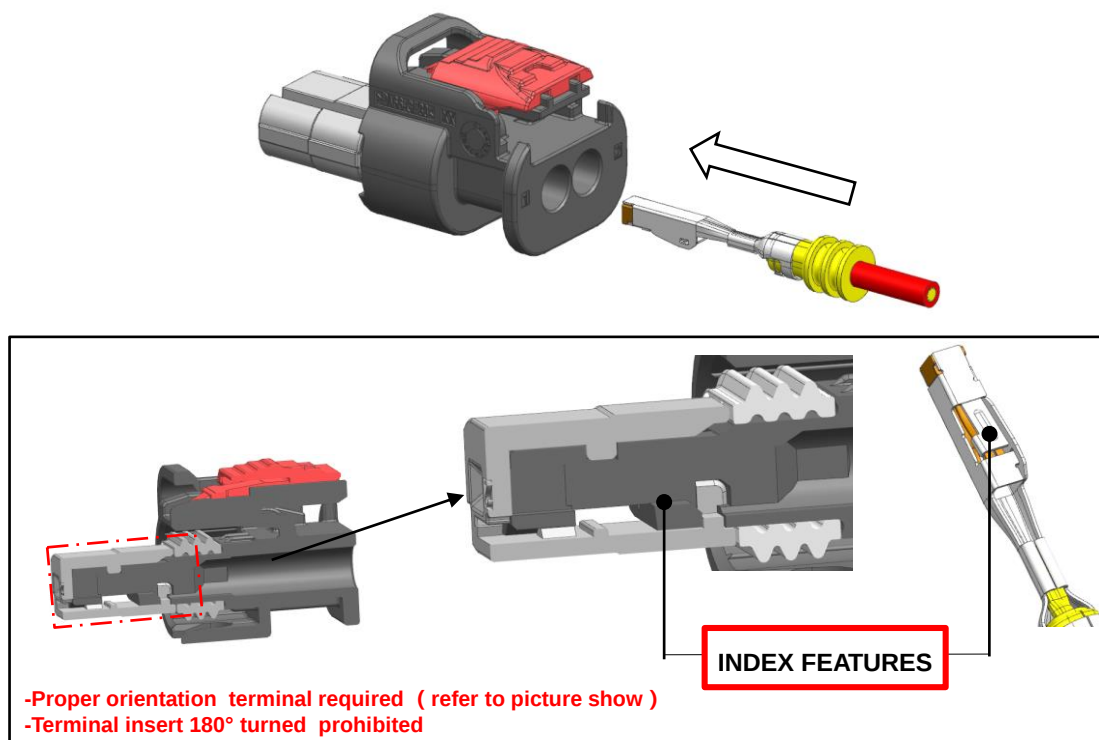
CODE E



CODE F

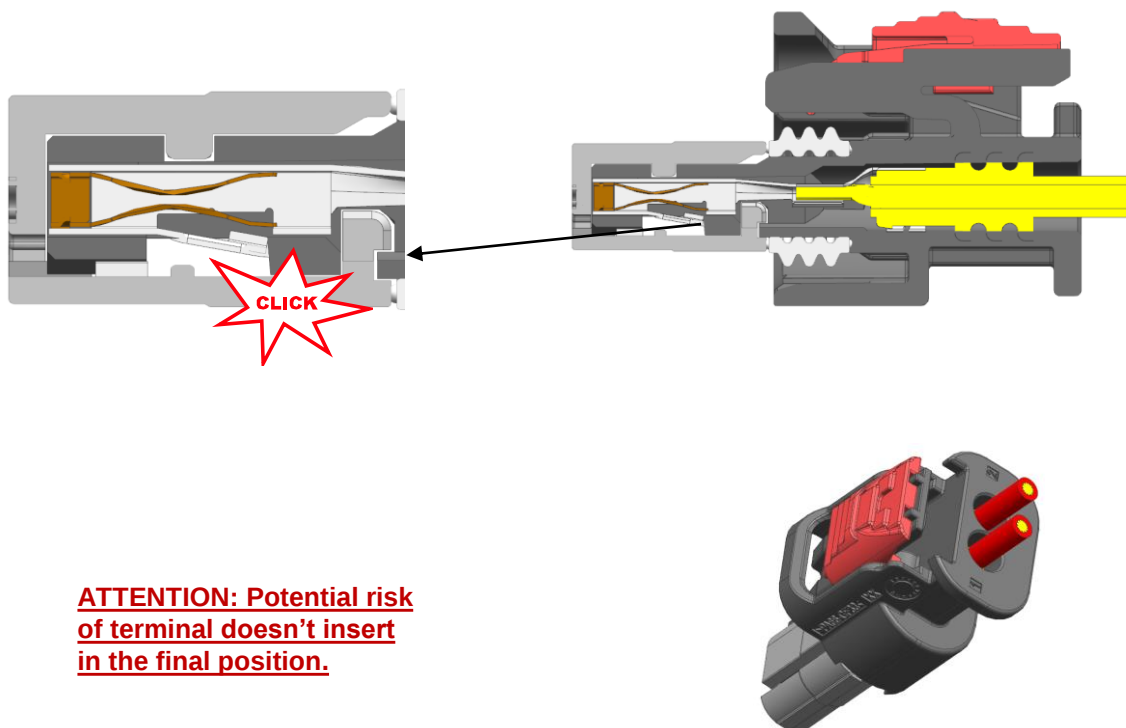
STEP 1– INSERTING CTS1.2 F terminal

A
S
S
E
M
B
L
Y



Insert Female terminal into the *Female housing* according to the harness drawing.

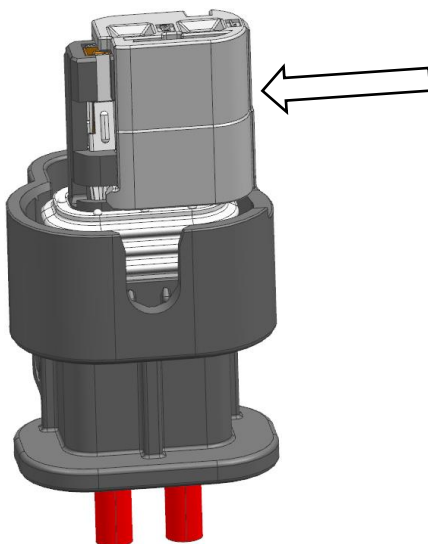
4



Step completed.

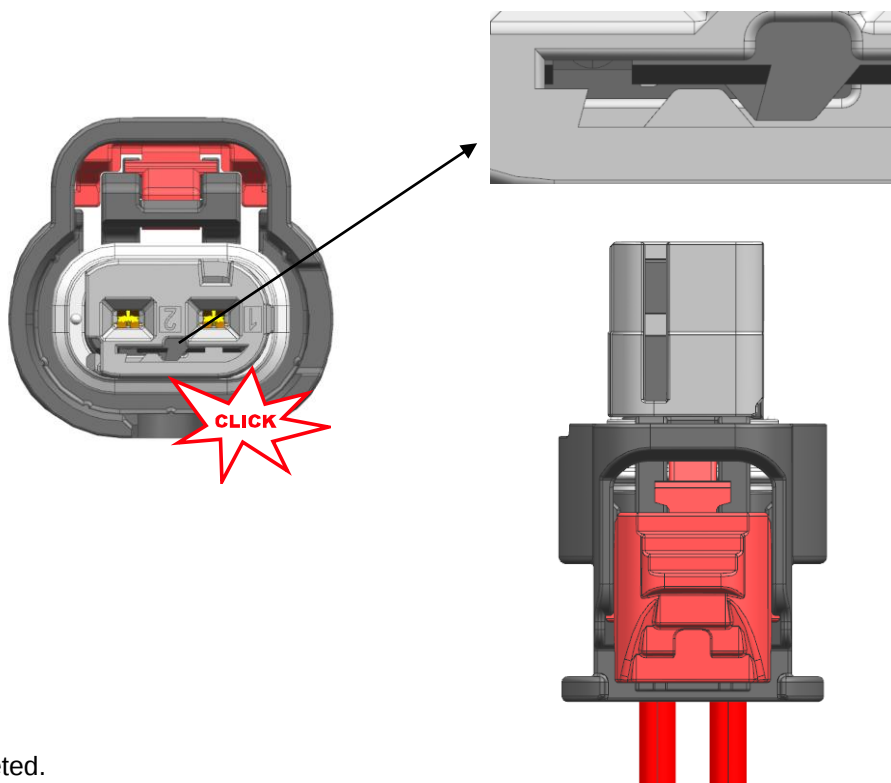
STEP 2- PUSHING TPA INTO LOCK POSITION

A
S
S
E
M
B
L
Y



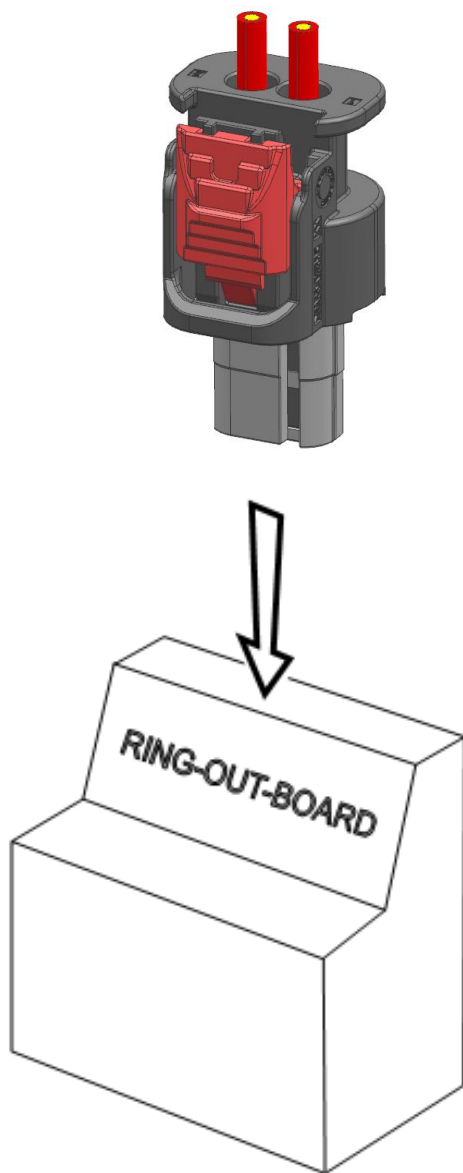
Pushing the TPA from pre-lock to lock position according to the harness drawing. Min 20N/Max 45N to close the TPA with all terminals correctly inserted. If the TPA closing force exceed 45N, terminal insert orientation need double checking.

5

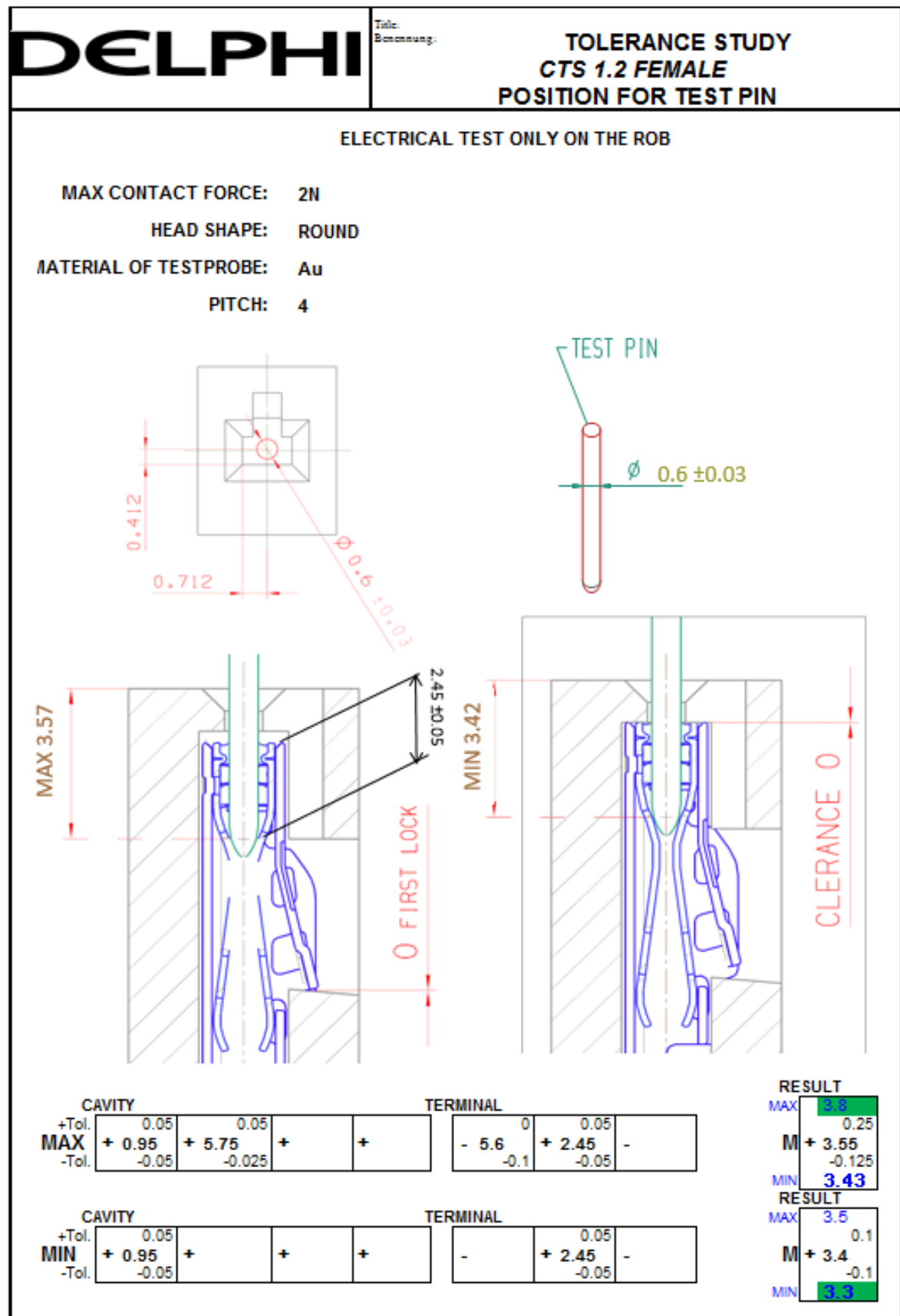


Step completed.

REQUIREMENTS FOR TEST MODULE DESIGN

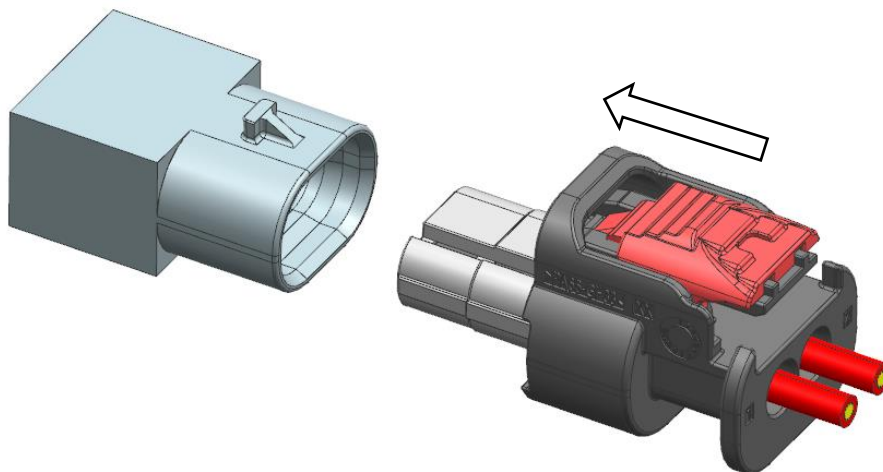


REQUIREMENTS FOR TEST MODULE DESIGN



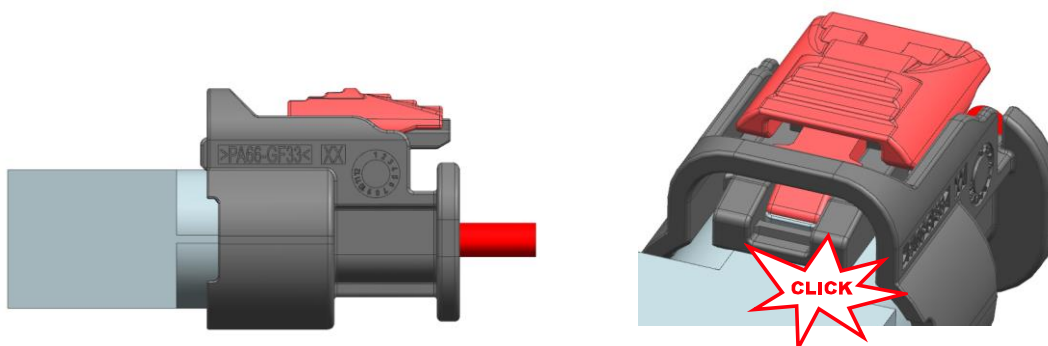
STEP 3- INSERTING FEMALE CONNECTOR

C
A
R
A
S
S
E
M
B
L
Y



Insert CTS1.2Female connector onto the mating part.

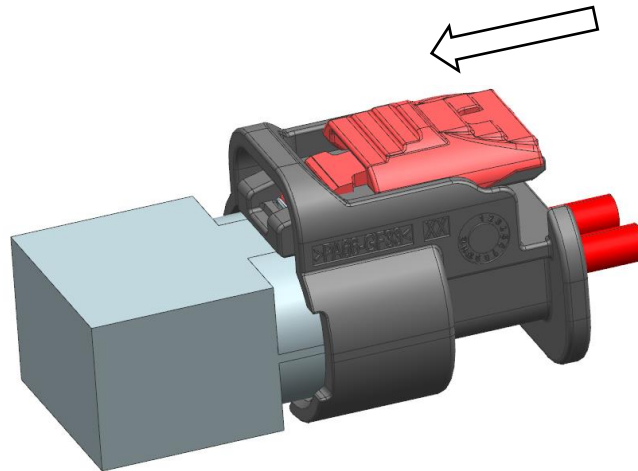
6



Step completed.

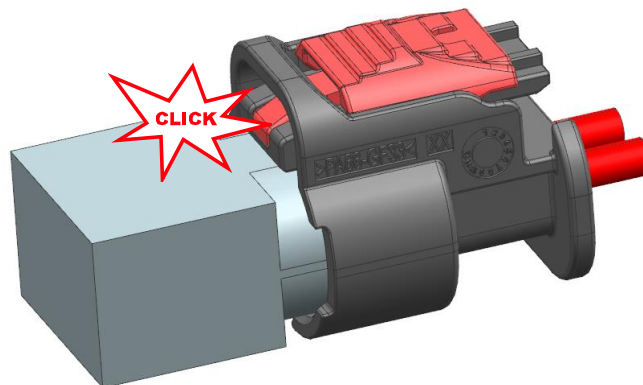
STEP 4- PUSHING CPA INTO LOCK POSITION

C
A
R
A
S
S
E
M
B
L
Y



Insert CTS1.2Female connector onto the mating part.

7



**ATTENTION: Potential risk
of CPA doesn't insert in
the final position.**

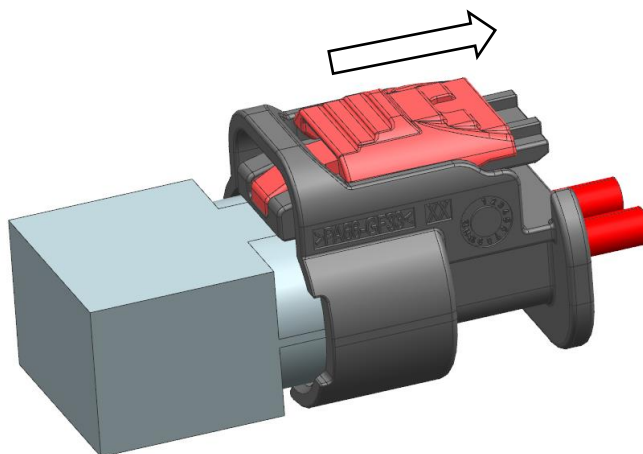
Step completed.

Disassembly



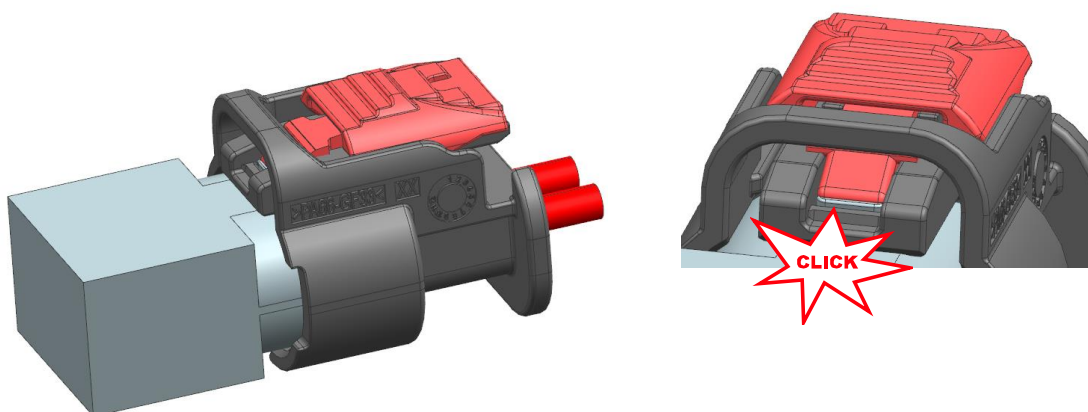
Sequence

STEP 1- UNLOCKING CPA



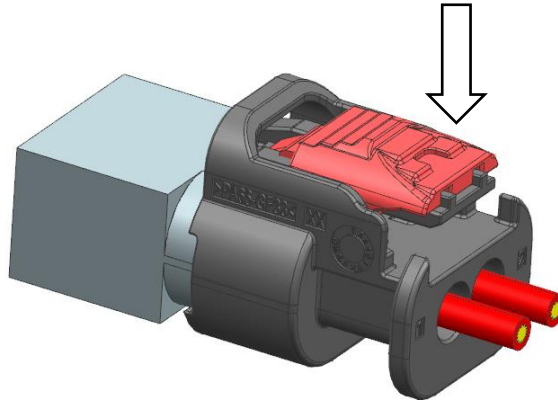
Pull the CPA from lock to pre-lock position.

1



Step completed.

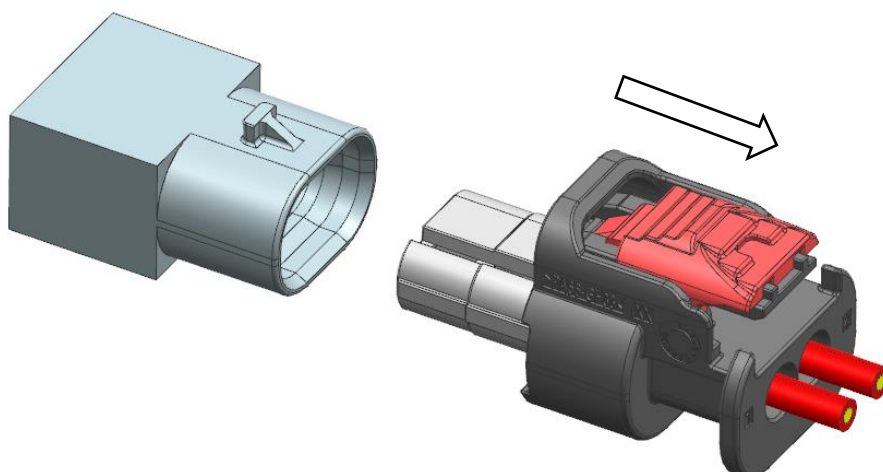
STEP 2- UNLOCKING FEMALE CONNECTOR



ATTENTION: unlock the mating conn by pressing the CPA in thumb and then pulling it.

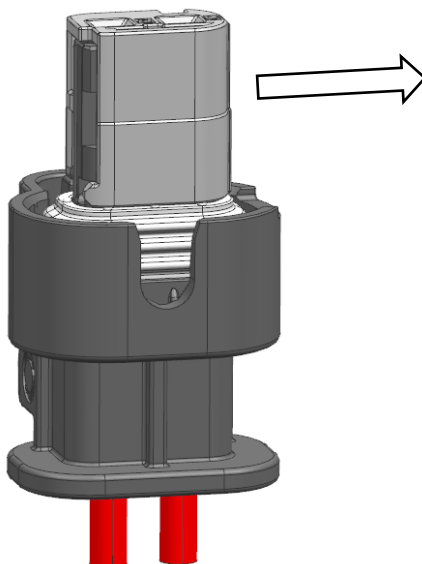
Keep pulling force on the CPA until female housing clip unlocked.

2



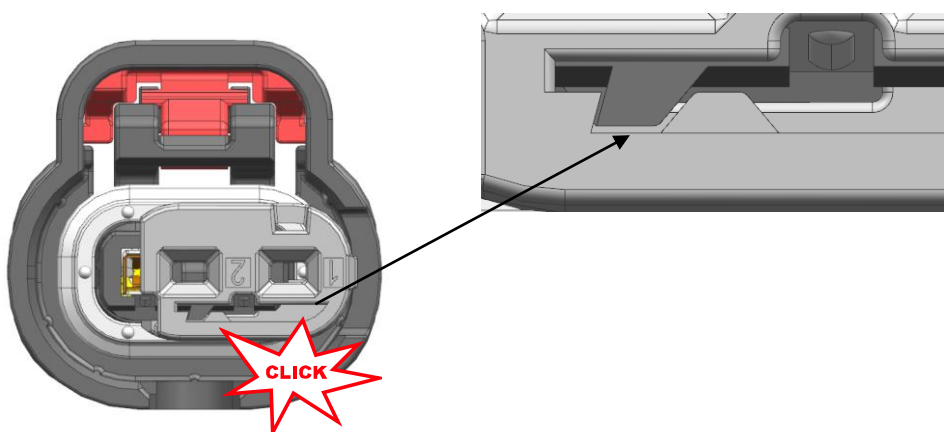
Step completed.

STEP 3- UNLOCKING TPA



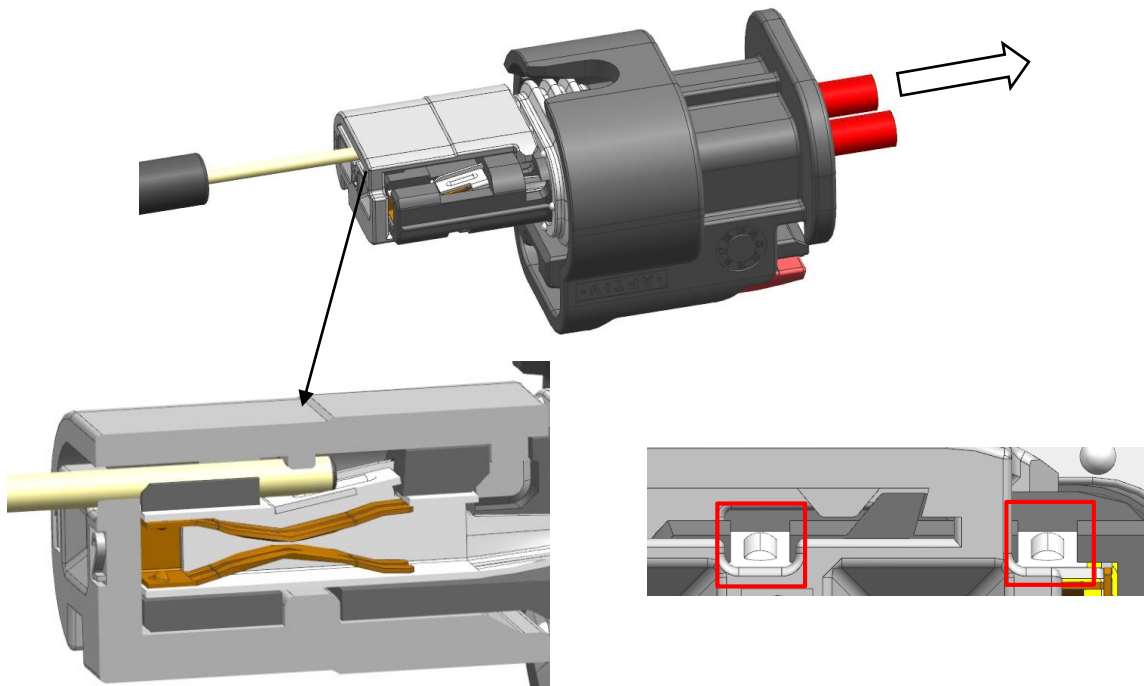
Pull the TPA from pre-lock to lock position.

3



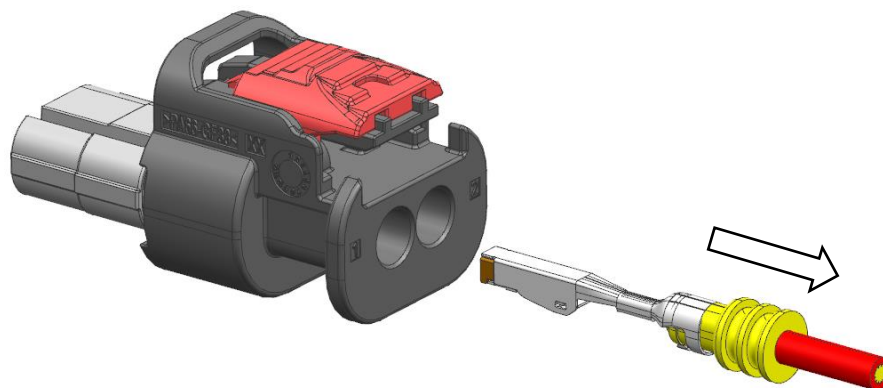
Step completed.

STEP 4- REMOVE CTS1.2 F TERMINAL



Insert the tool **PN10763971** straight into the channel of cavity, deflect locking arm to unseat the *Terminal* and gently pull on the cable to remove *Female terminals 1.2* from the *Female connector*.

4



ATTENTION: Don't rip the wire if any resistance is noticeable.

Step completed.

TABLE OF TOOL

Terminal extraction tool PN10763971



REVISIONS

Revision	Change description	Date
REV 01	Initial Edition	July 5, 2020