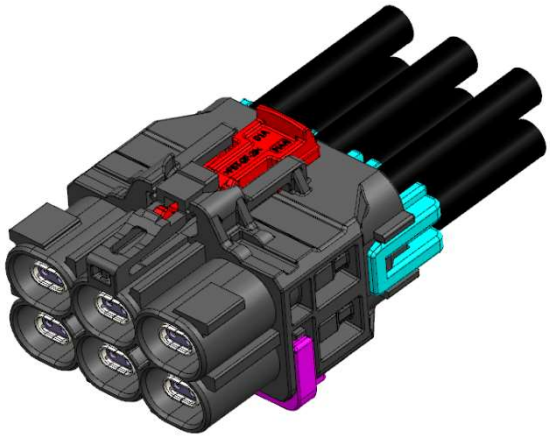
APTIV

ASSEMBLY MANUAL

H-MTD unsealed
6 Port Female Connector



35761453

REV 01 – Oct 2023

Assembly & Disassembly

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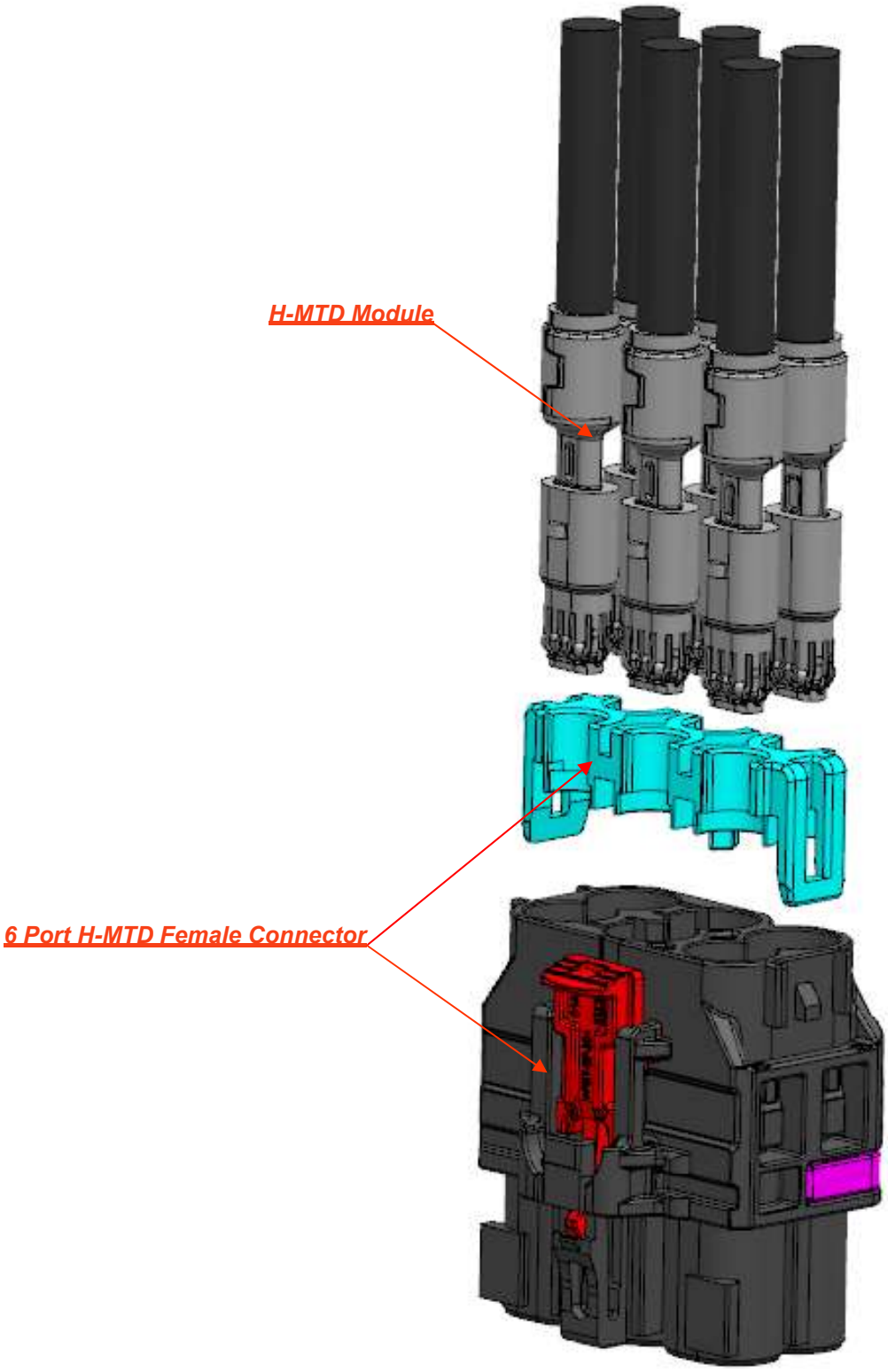
Pictures used in this Assembly Manual and original parts may differ in some details. This difference has no influence on the assembly process.

THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM.
Minor molding process imperfections including, but not limited to, flow marks, color blemishes, gate marks, and soft flashes that do not affect the fit, form or function of the part are permisible.
Minor mechanical defects in non-functional areas that do not affect the safety, ergonomy fit or function are permissible.
A damaged TPA, which is still hooked up with the entire part and does not affect the safety features, fit and function is still accepted.

All dimensions in this manual have been shown in millimeters.

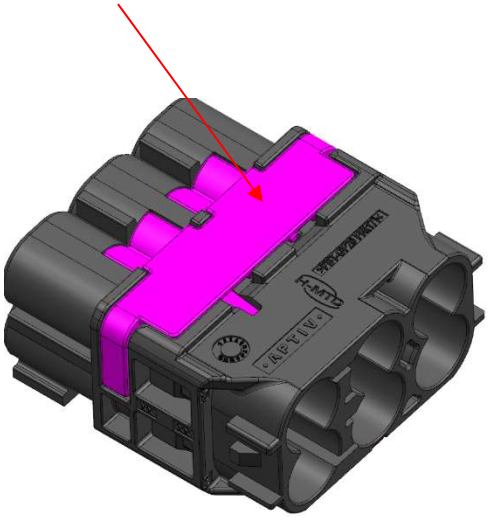
Storage conditions before assembly:
- **Temperature: +18°C to +55°C**
- **Relative humidity: 45% to 85%**
- **Storage time: min. 24 hours**

Pictures used in this Assembly Manual and original parts may differ in some details, but this difference has no influence on the assembly process.
Part numbers, specifications, dimensions and performance data in this document are for general references only and are subject to change without notice.
All information is correct at time of release. To verify product information, please contact an Aptiv representative.
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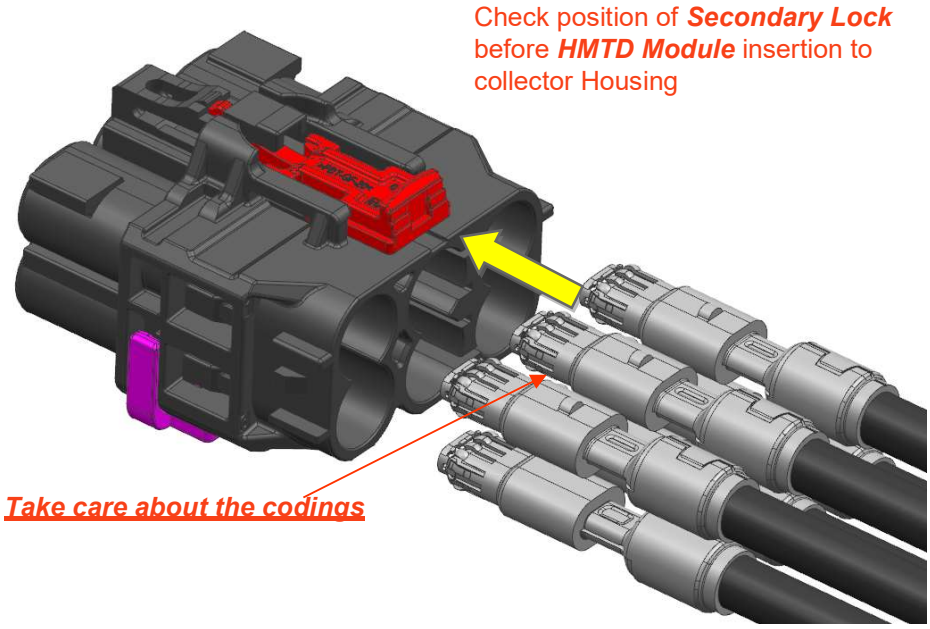

H-MTD Module
6 Port H-MTD Female Connector

COMPONENT (assembled except retainer)		APTIV PN	AMOUNT
6 Port H-MTD Female Connector	Code A	35761437-Code A	1
	Code B	35761439-Code B	
	Code C	35761440-Code C	
	Code D	35761441-Code D	
	Code E	35761442-Code E	
	Code F	35761443-Code F	
	Code Z	35761444-Code Z	
6 Port H-MTD Female Connector with CPA	Code A	35761445-Code A	
	Code B	35761446-Code B	
	Code C	35761447-Code C	
	Code D	35761448-Code D	
	Code E	35761450-Code E	
	Code F	35761451-Code F	
	Code Z	35761452-Code Z	
H-MTD Module			1

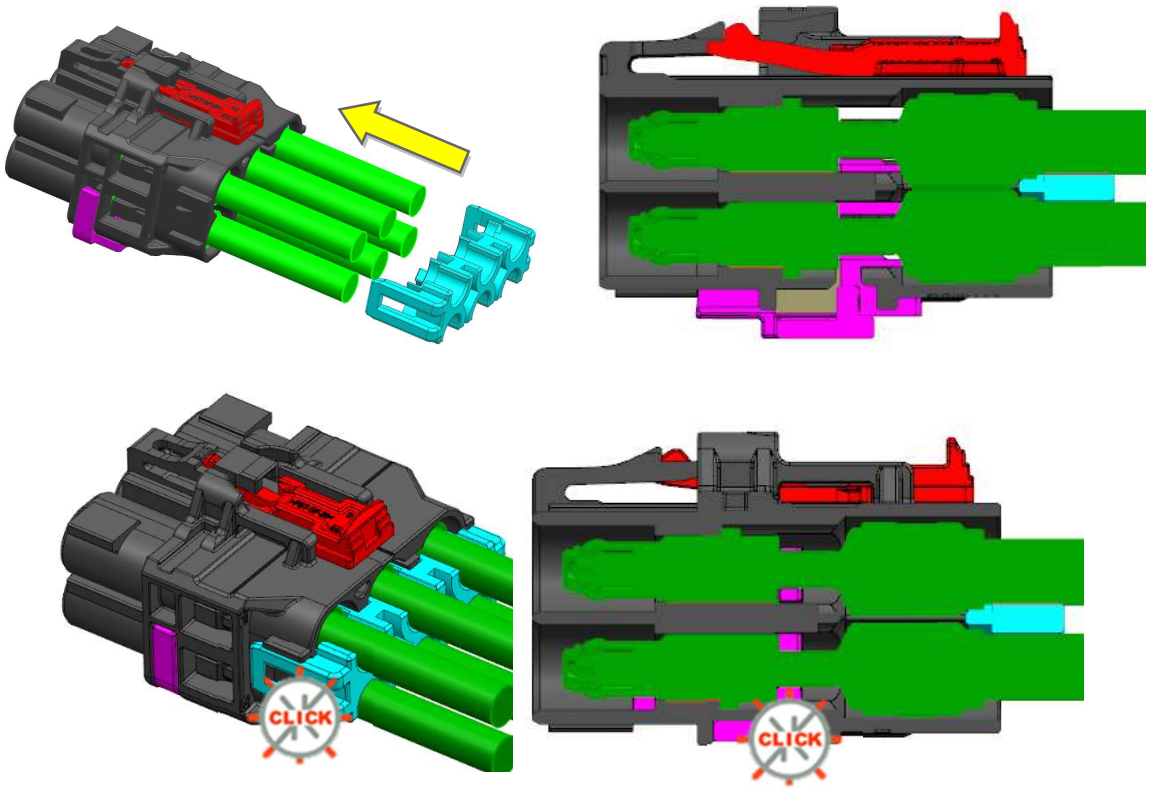
During transport TPA may close accidentally. This is not a defect, it can be re-open with a small screwdriver



STEP 1 – INSERTING H-MTD MODULE

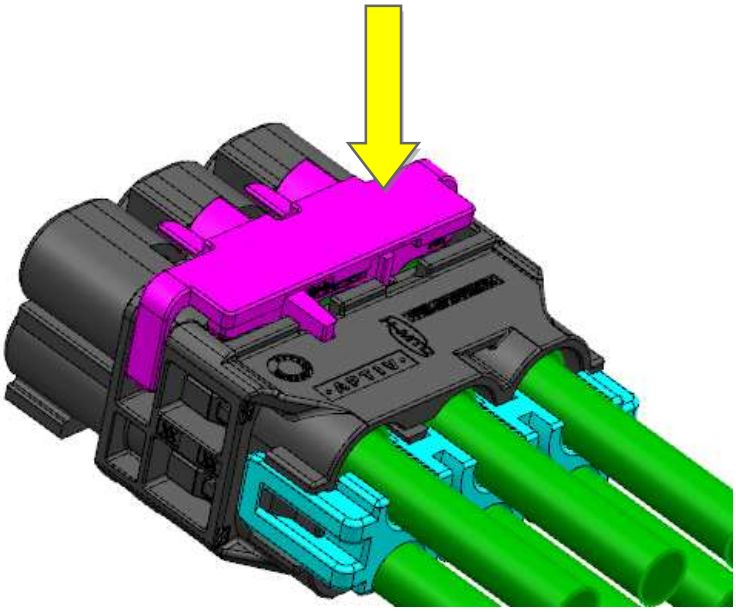


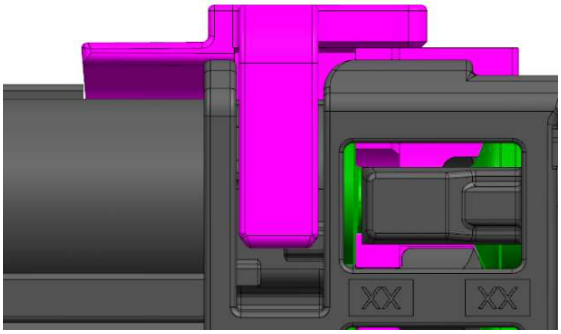
Insert ***H-MTD Module*** into the ***6 Port H-MTD Female Connector***. **And Then lock the retainer.**
No reversal insertion possible, please pay attention for terminal coding.



Step completed.

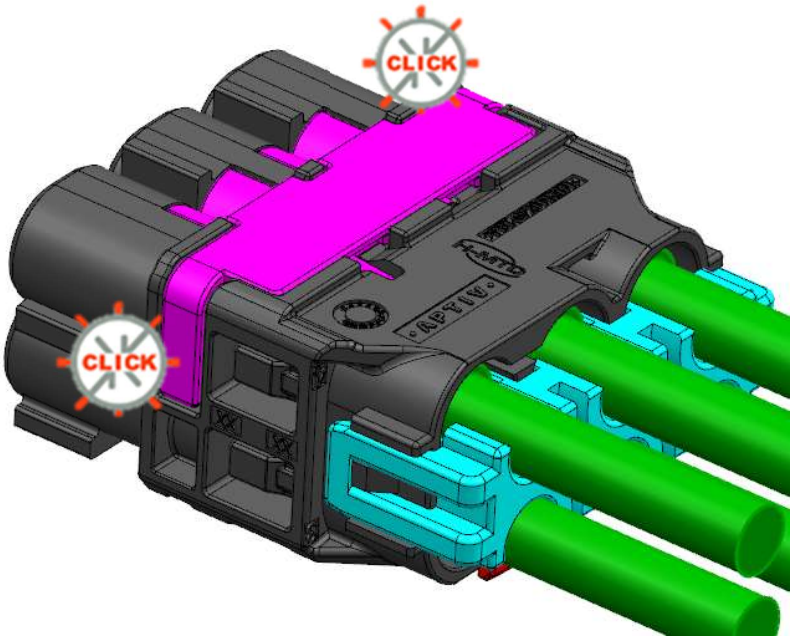
STEP 2 – LOCKING TPA

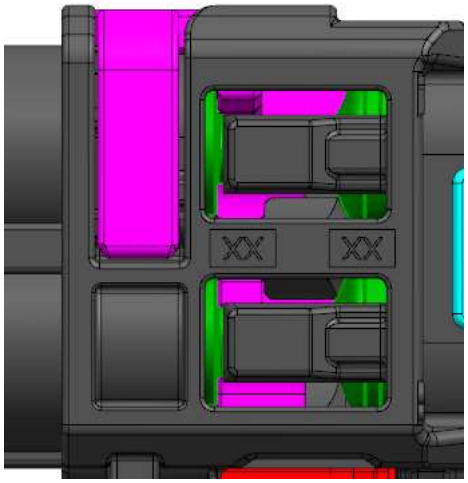




Push the *H-MTD Module* to the *6 Port H-MTD Female Connector* front for easier *TPA* closure.

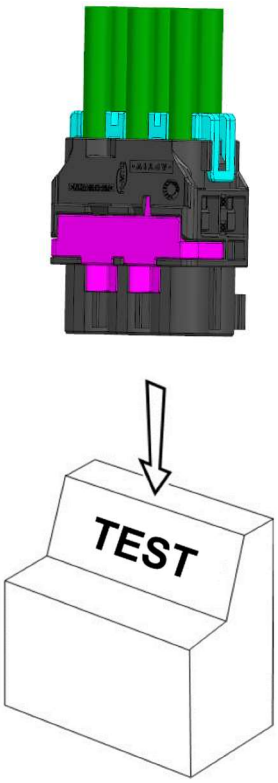
Push ***TPA*** to lock ***H-MTD Module*** into the ***6 Port H-MTD Female Connector.***





Step completed.

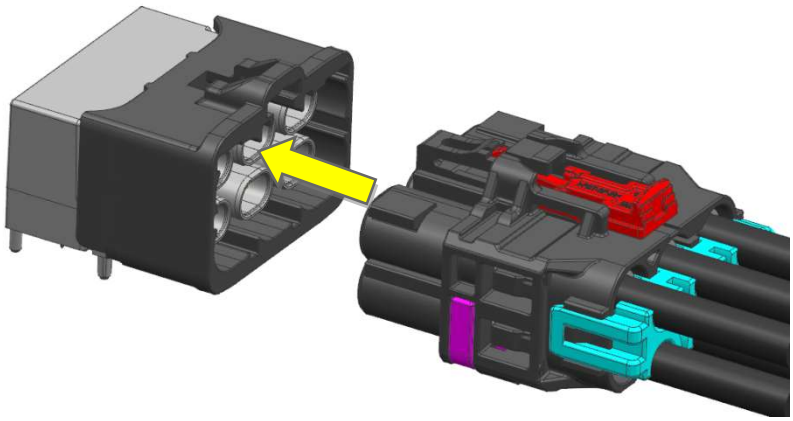
ELECTRICAL TEST



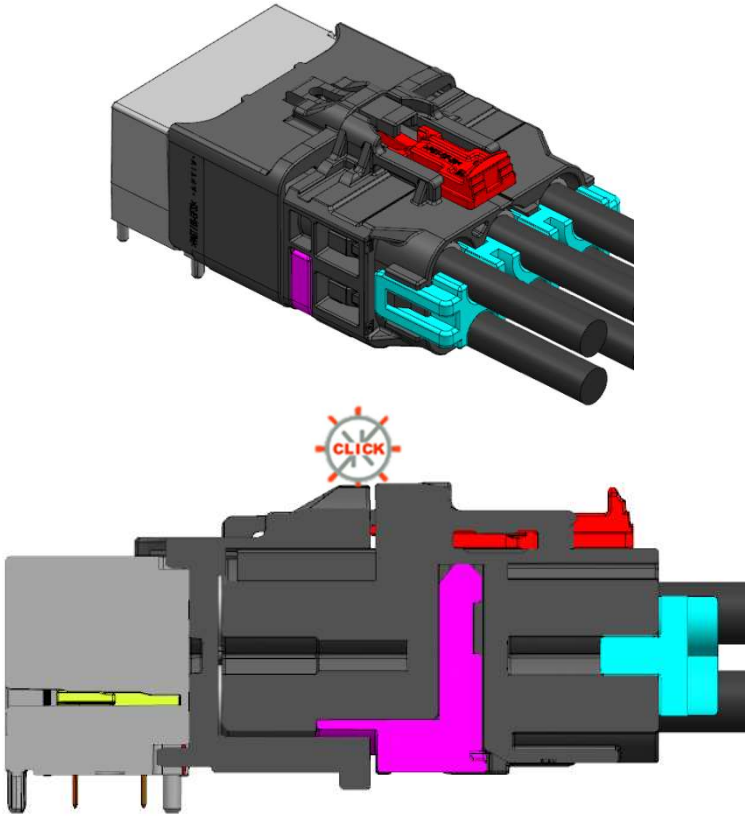
Remark：
The on-line test includes both conduction and high-voltage, and can be added to the annual test if the customer needs the SI test.

Step completed.

STEP 4 – INSERTING 1 PORT H-MTD FEMALE CONNECTOR

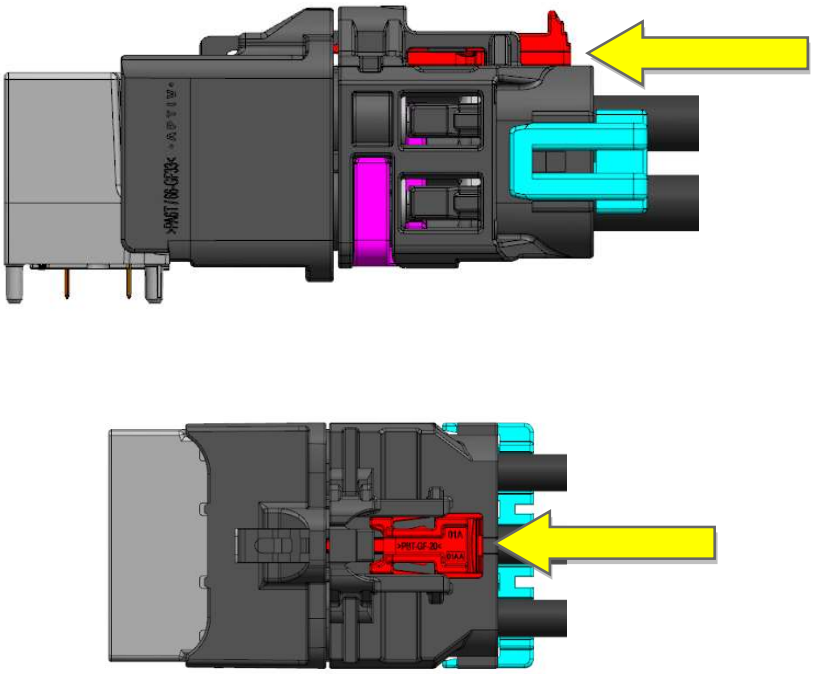


Insert ***6 Port H-MTD Female Connector*** into the ***6 Port H-MTD Male Connector***.

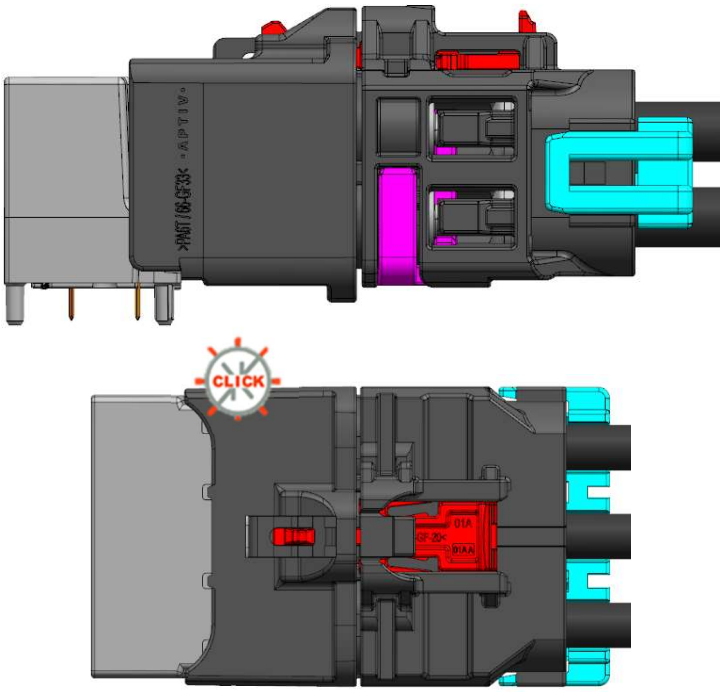


Step completed.

STEP 5 – LOCKING CONNECTORS

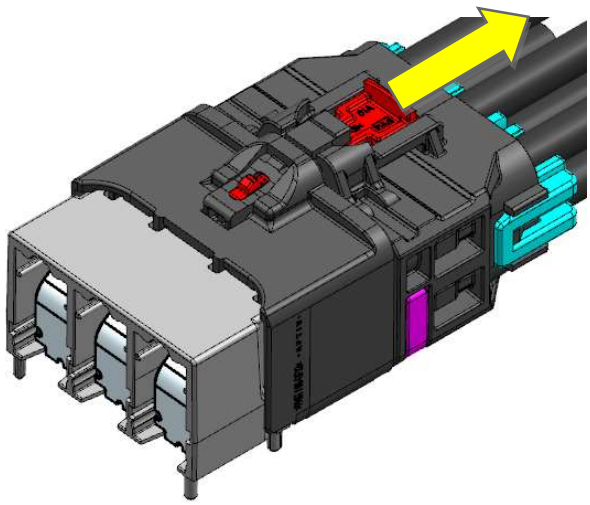


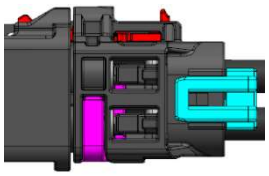
Push ***CPA*** to lock ***Connectors.***



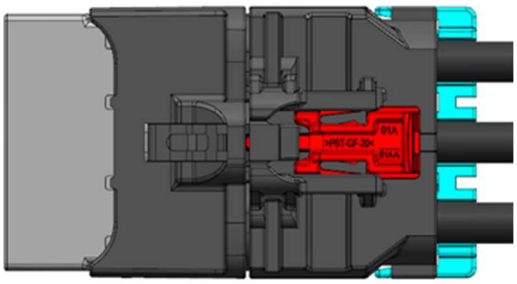
Step completed.

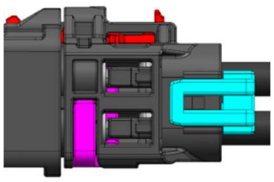
STEP D1 – UNLOCKING CONNECTORS





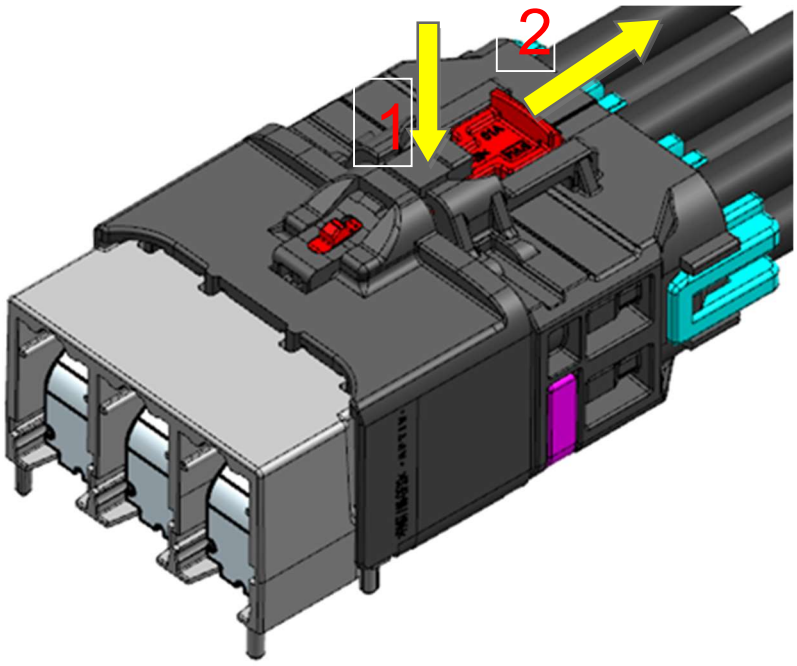
Move ***CPA*** to unlock ***Connectors.***



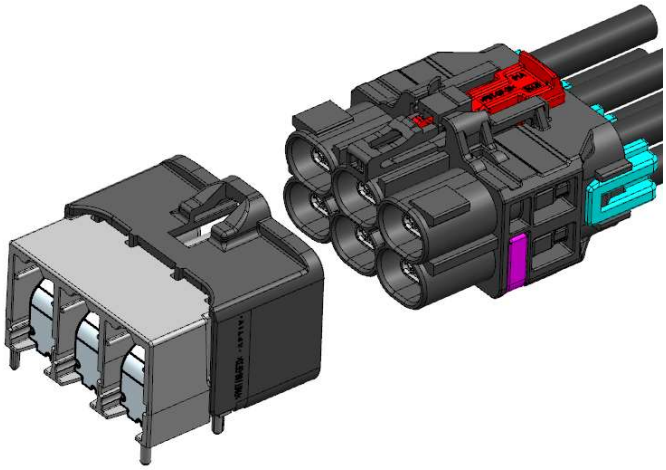


Step completed.

STEP D2 – DISCONNECTING CONNECTORS

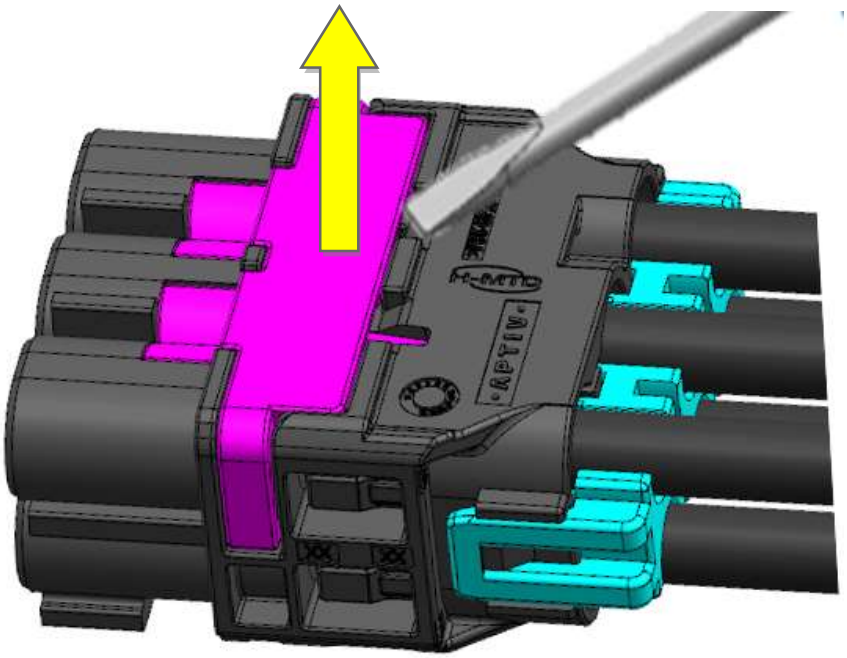


Press locking arm (arrow 1) and remove (arrow 2) ***6 Port H-MTD Female Connector*** from the ***6 Port H-MTD Male Connector***.

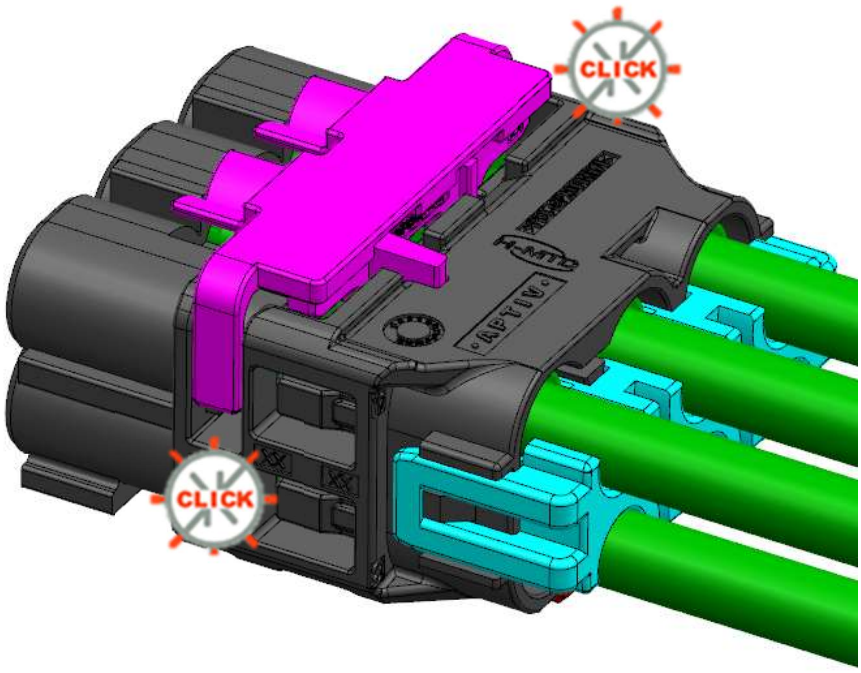


Step completed.

STEP D3 - UNLOCKING TPA

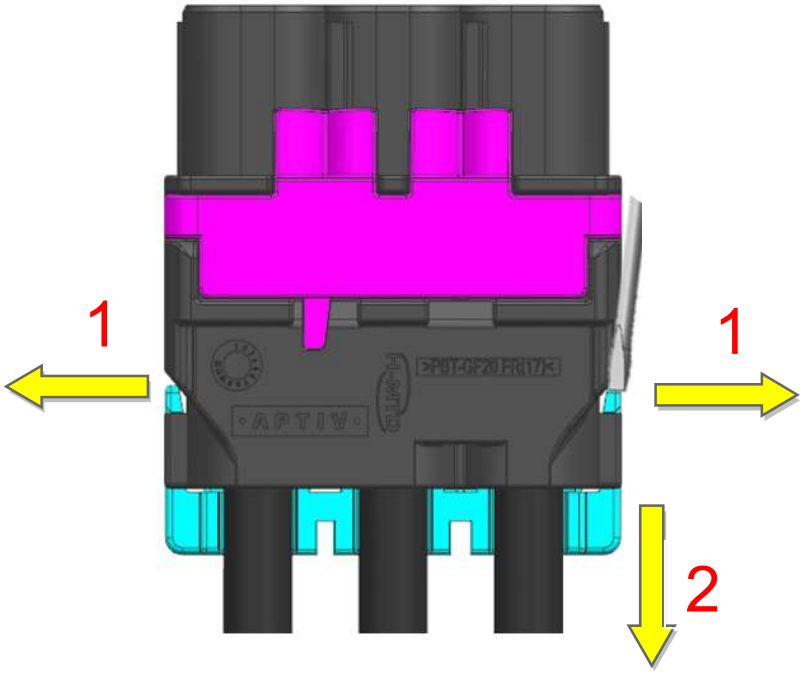


Insert small screwdriver or similar tool and move ***TPA*** to the pre-position.

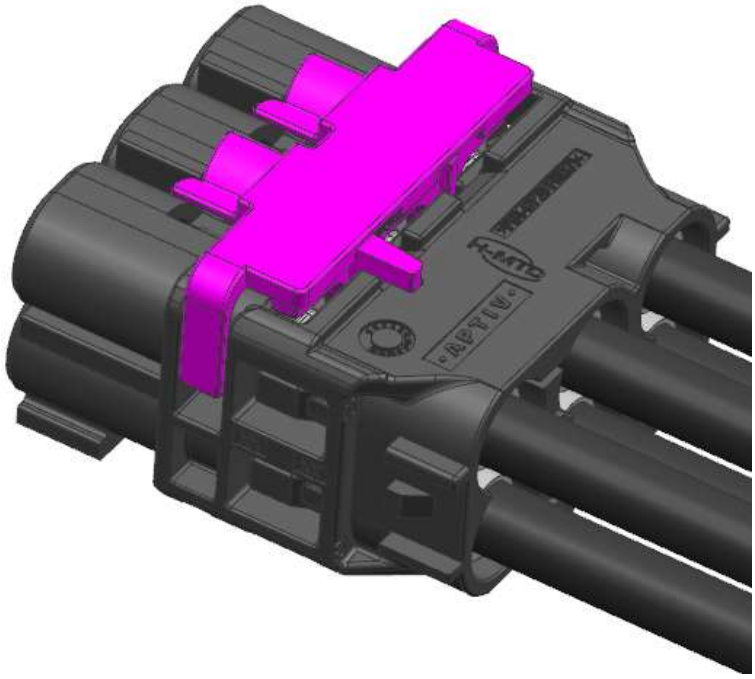


Step completed.

STEP D4 - REMOVING RETAINER

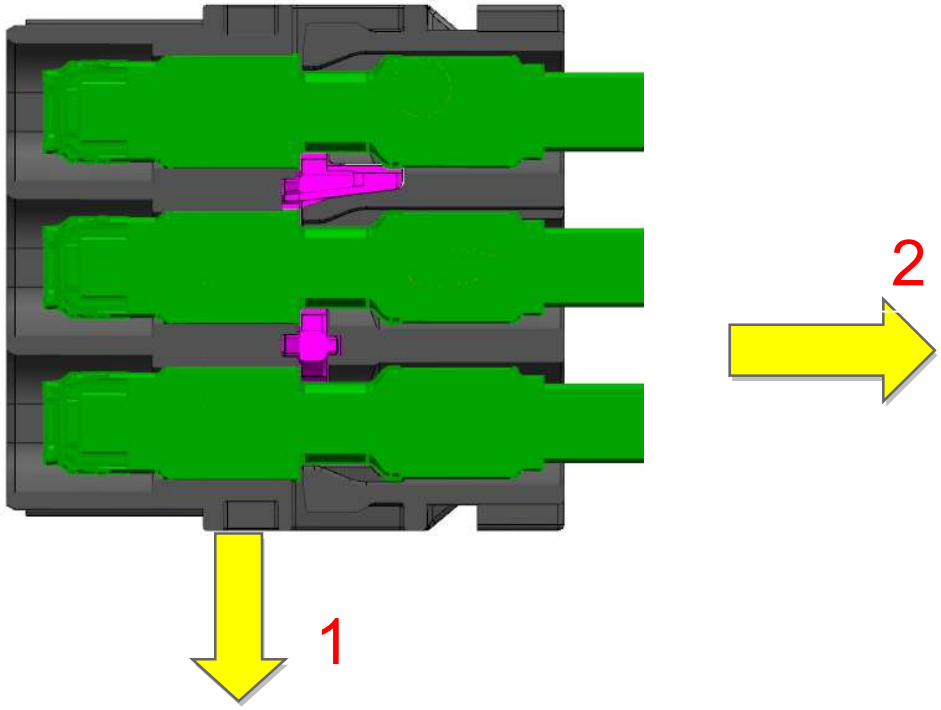


Insert small screwdriver or similar tool and remove ***RETAINER*** .

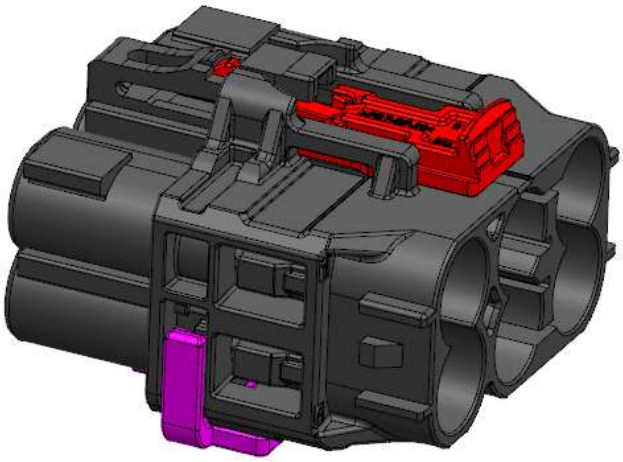


Step completed.

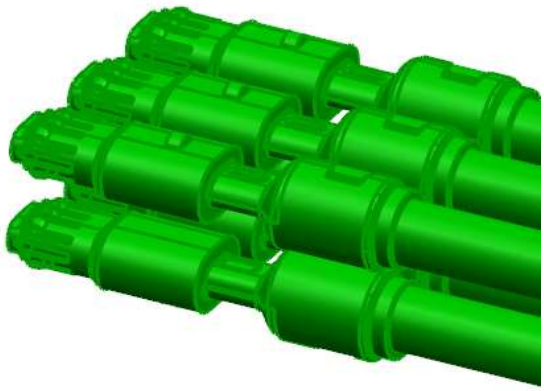
STEP D5 - REMOVING H-MTD MODULE



Pull locking arm to unlock (arrow 1) and remove (arrow 2) ***H-MTD Module*** from the ***6 Port H-MTD Female Connector*.**

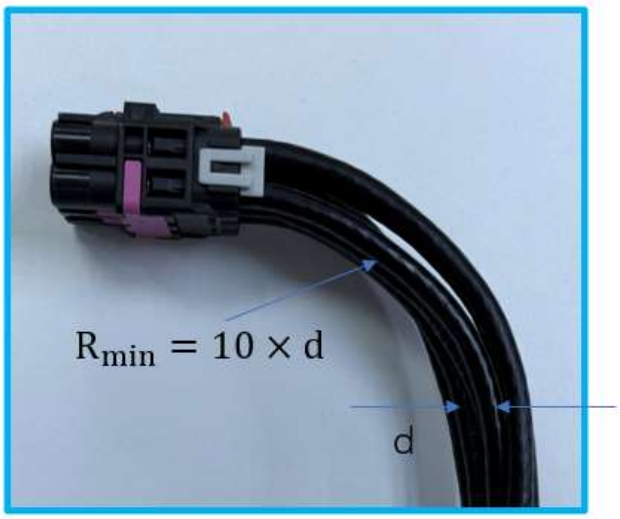


The locking arm may get damaged during disassembly. It is recommended to replace the *6 Port H-MTD Female Connector* wiith a new one after disassembling the *H-MTD* module



Step completed.

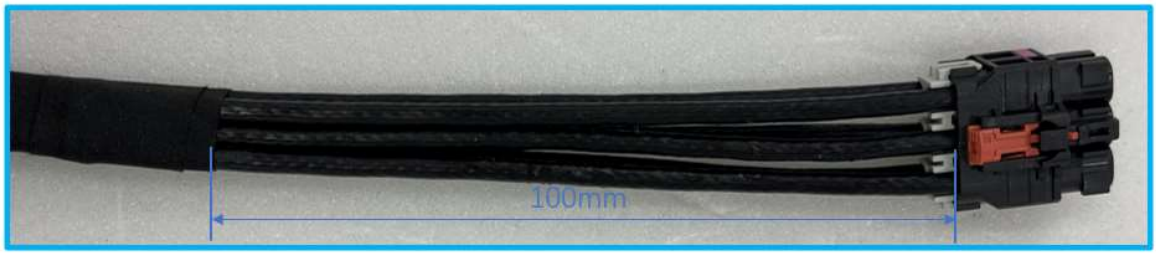
Radius bend



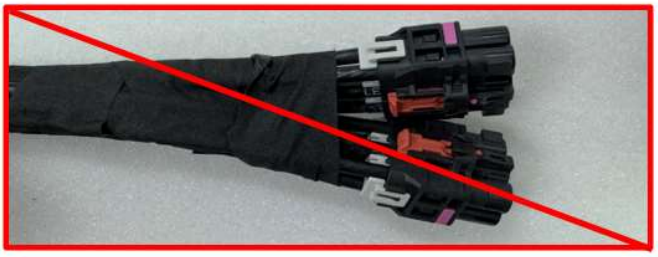


Wire Type	Cable OD
DACAR 647-4	4.1+/-0.2mm

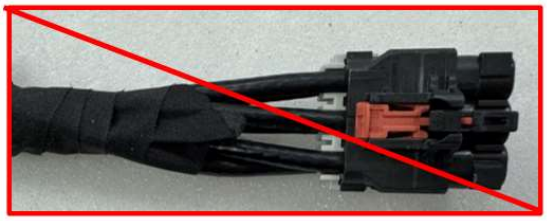
Remark:
The minimum bending radius is equal to 10 times the wire diameter.

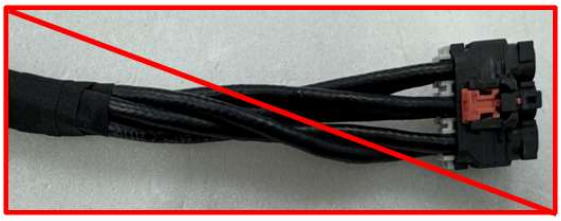








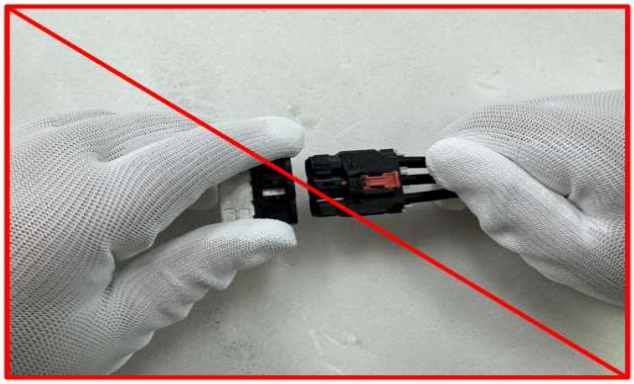




Remark:
For the multiple connection system, bandage distance from connector 100mm. And cable cannot be twisted.

1. The plastic housing should be held in hand during mating and pulling out, not the wiring harness.





2. According to APTIV design, the CPA can be pushed in and out by hand.





Help tools



FUNCTION	APTIV PN	ITEM
Disassembly tool		1

REVISION	DESCRIPTION	CREATED BY	APPROVED BY	DATE
REV 01	Initial edition	C. Chen Liu	W. Gary Guan	OCT 13, 2023