Amphenol
COMMUNICATIONS SOLUTIONS

MicroSpaceXS™ sealed plug
Product Presentation

FCi Basics

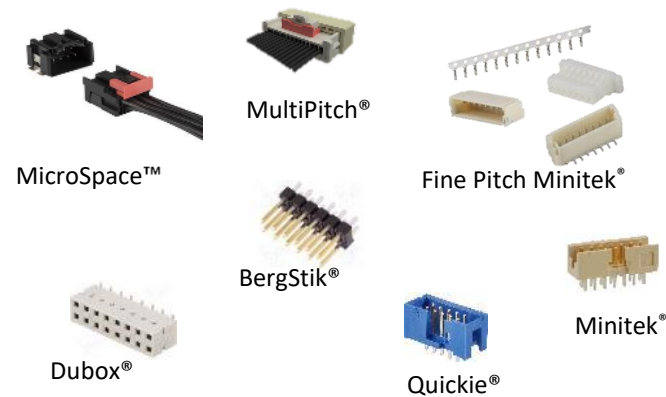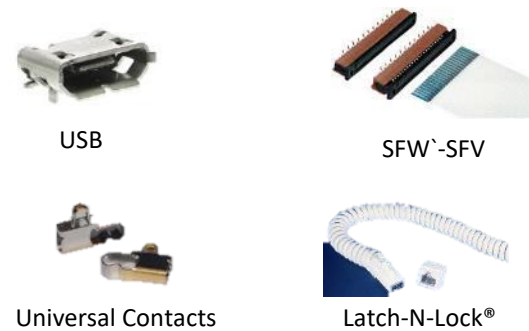# FCI Basics: The Amphenol PCB Interconnect Specialist

Amphenol
COMMUNICATIONS SOLUTIONS

Leading brands, proven technology

Wire to Board

MultiPitch®

MicroSpace™

Fine Pitch Minitek®

BergStik®

Minitek®

Dubox®

Quickie®

Input Output & FFC/FPC

USB

SFW`-SFV

Universal Contacts

Latch-N-Lock®

Board to Board

MicroSpeed®

BTFW

MezzoStak®

BergStak®

Conan®

Focus Markets Segments
Investing in key markets and applications

Automotive
BMS, Lighting ,Camera, ADAS

ITDatacom
Servers, Storage, Embedded

Industrial
PLC/Controls; Energy Storage System

Consumer
Home Automation, Appliances

Focus Customers
Experienced teams to support each channel

Large OEMs
Strong relationships

Focus Growth Accounts
Knowledgeable Sales / FAE Teams

Distribution: >50%
Distribution Friendly!

Engineering
Dedicated Basics teams

≡FCi Basics

Value Proposition MicroSpaceXS™

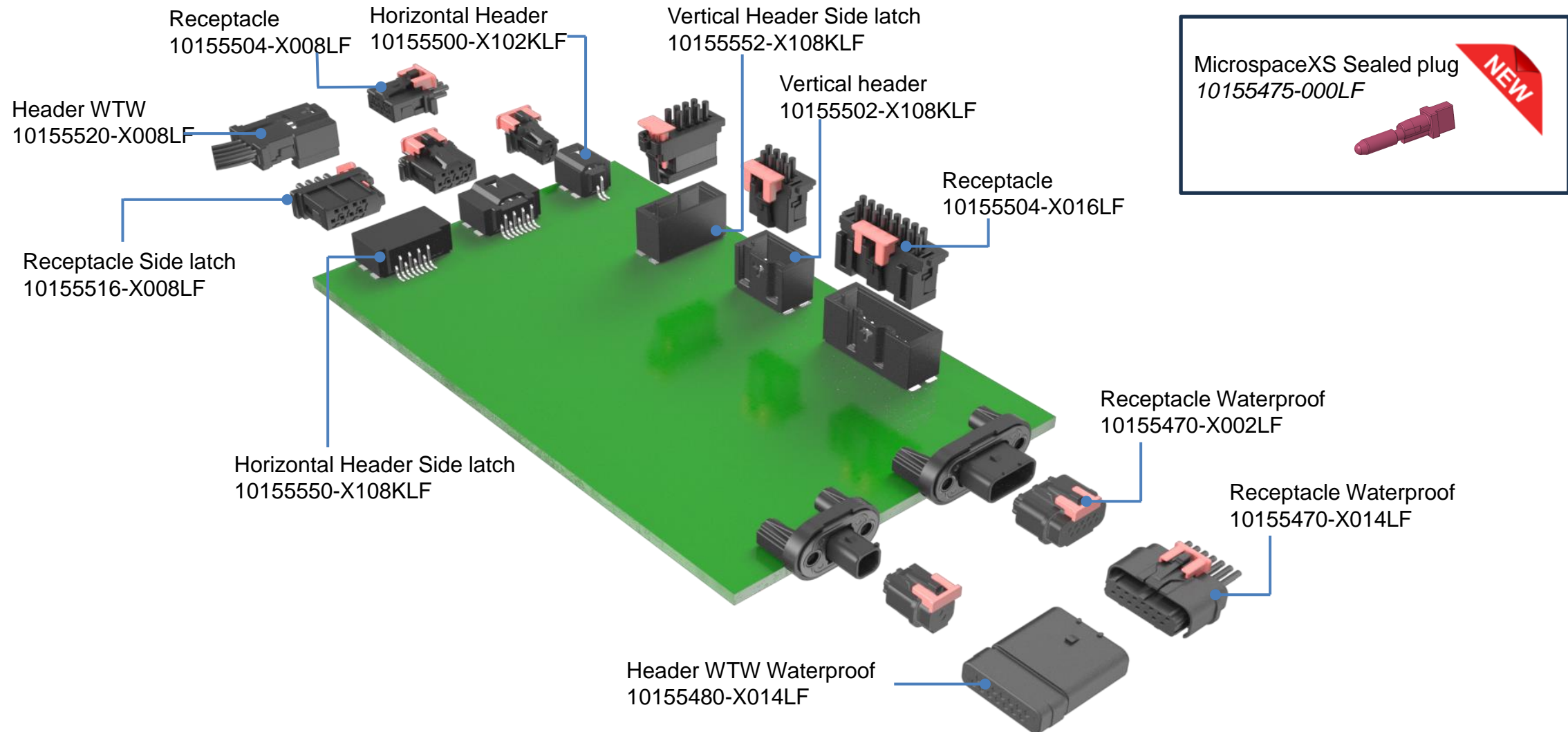**Amphenol** COMMUNICATIONS SOLUTIONS

- The MicroSpaceXS™ Crimp-to-Wire's compact design addresses the growing demand for miniaturizing components. The connector is capable of reducing the PCB footprint by 50% due to the increase in signal density.

- The connector has nominal current carrying capacity of up to 4A and cable external diameter up to 1.4 mm.

WTB Sealed configuration
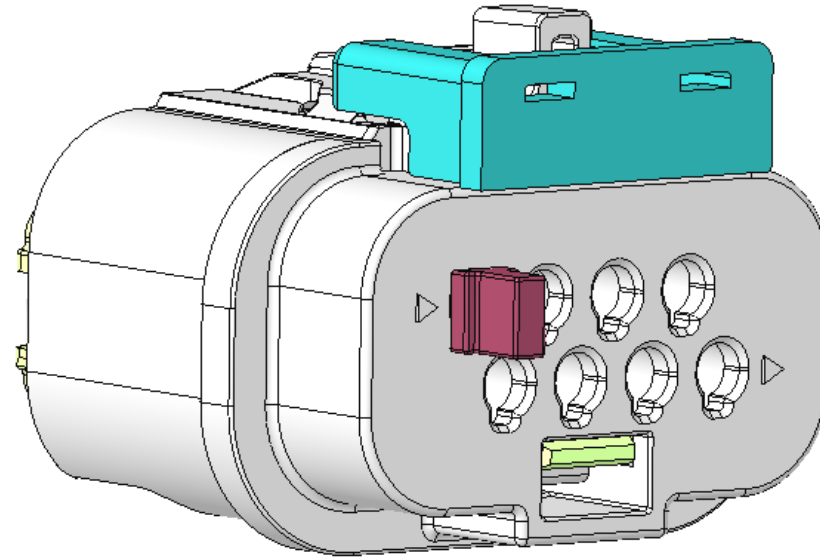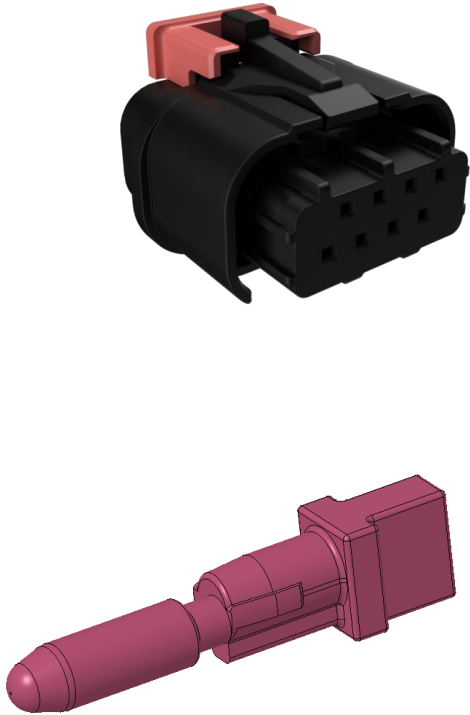
WTW configuration

WTB configuration
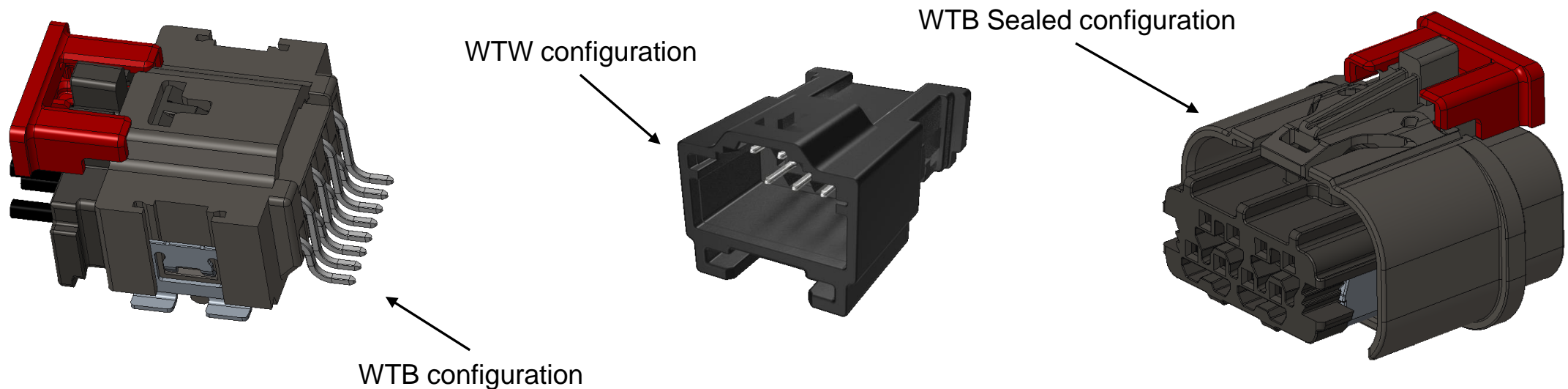
- The unique design of the MicroSpaceXS™ CtW makes this solution and contact pitch compatible with LV214 Severity-2 and USCAR-T2V2. The right choice when high vibration endurance, primary latch, TPA, CPA, Poka Yoke, Kojiri safe are required with flexible configurations.
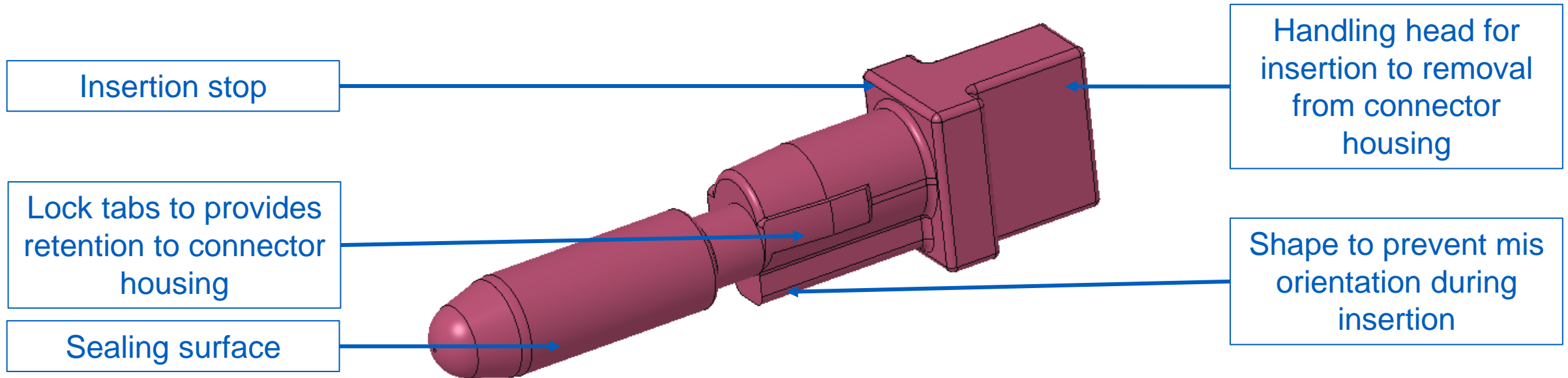
MicroSpaceXS™ Product Overview

Receptacle
10155504-X008LF

Horizontal Header
10155500-X102KLF

Vertical Header Side latch
10155552-X108KLF

Vertical header
10155502-X108KLF

Header WTW
10155520-X008LF

MicrospaceXS Sealed plug
10155475-000LF

NEW

Receptacle
10155504-X016LF

Receptacle Side latch
10155516-X008LF

Receptacle Waterproof
10155470-X002LF

Horizontal Header Side latch
10155550-X108KLF

Receptacle Waterproof
10155470-X014LF

Header WTW Waterproof
10155480-X014LF

MicroSpaceXS™ Sealed polarisation

- MicrospaceXS Sealed polarisation

A plug to provide to customer a technical solution in case of de-populated requirement.

MicroSpaceXS™ Sealed plug function

Part number 10155475-000LF

Insertion stop

Handling head for insertion to removal from connector housing

Lock tabs to provides retention to connector housing

Shape to prevent mis orientation during insertion

Sealing surface

The seal plug can be used when empty cavities won't be used during the product lifetime, and sealing property still need to be ensured.
It is compatible with all MicrospaceXS sealed harness connector such as Receptacle (10155470) and Wire-to-Wire header (10155480).
The connector remains qualified USCAR and waterproof level IP69K, even equipped with the seal plug.
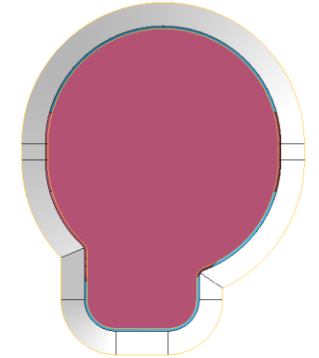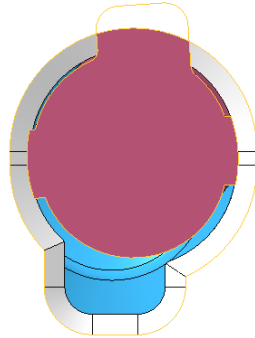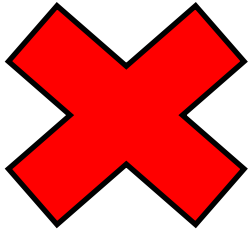
MicroSpaceXS™ Sealed plug function

SEALING AREA

Insert the plug in the receptacle and push
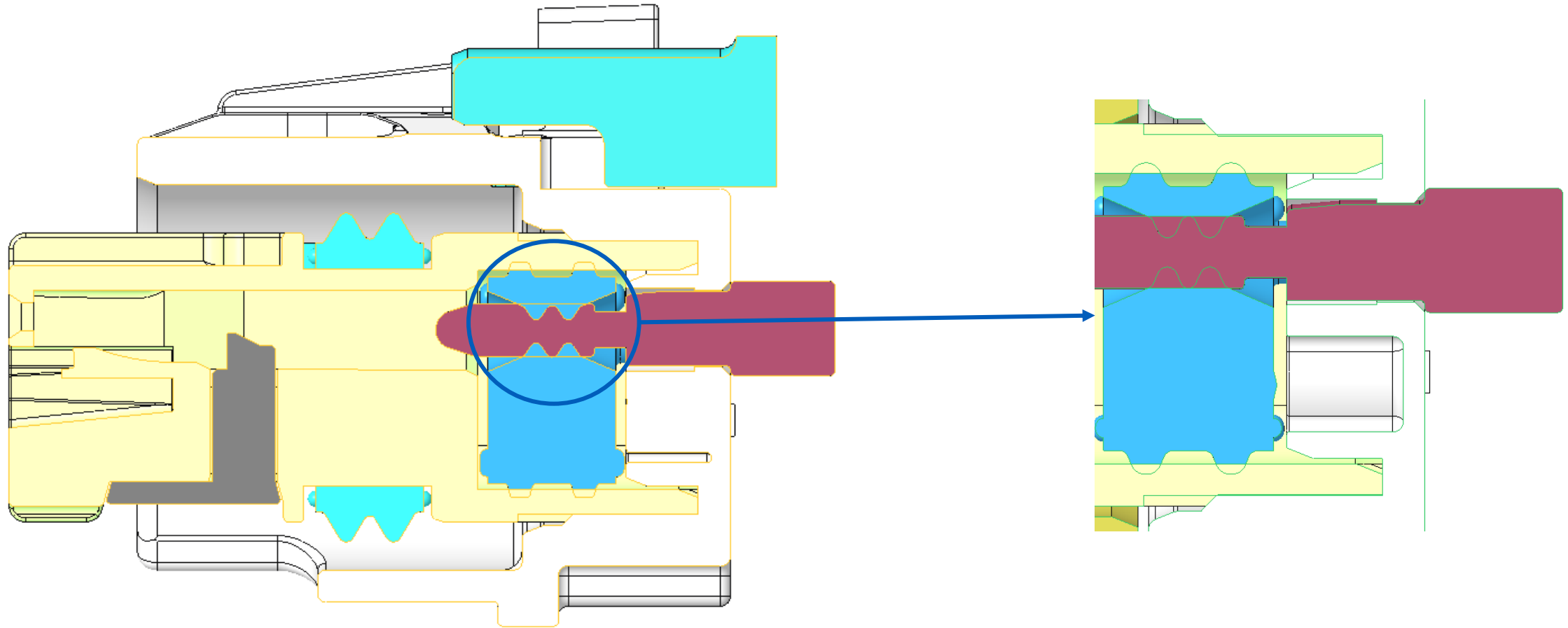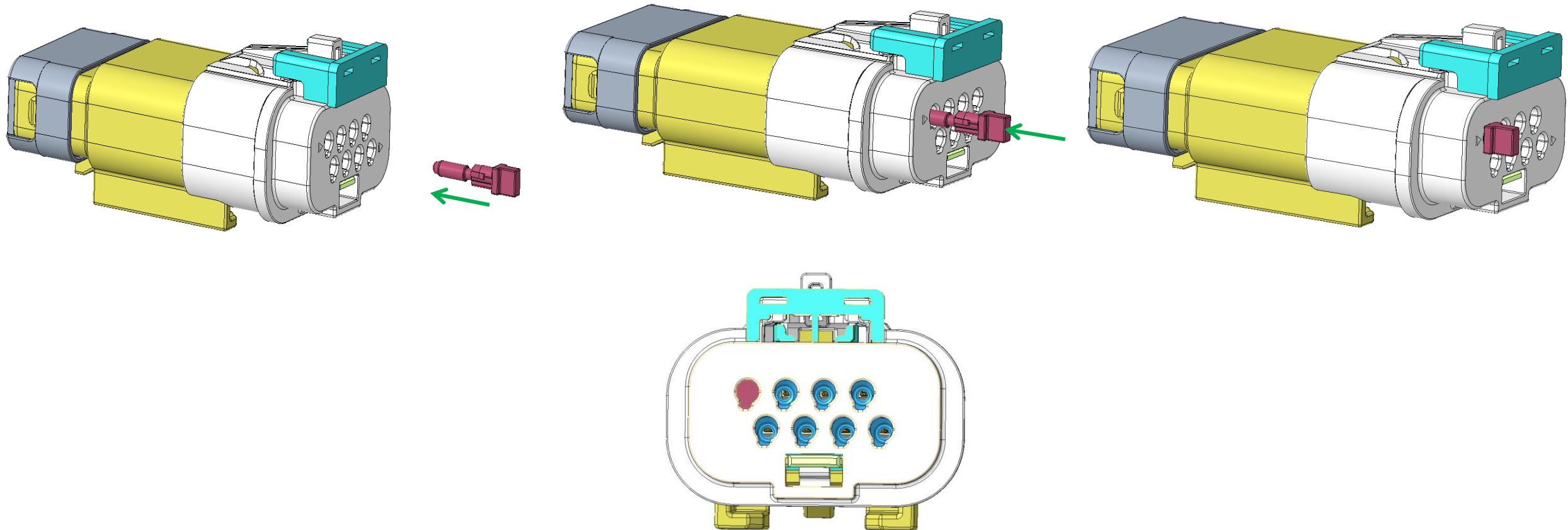
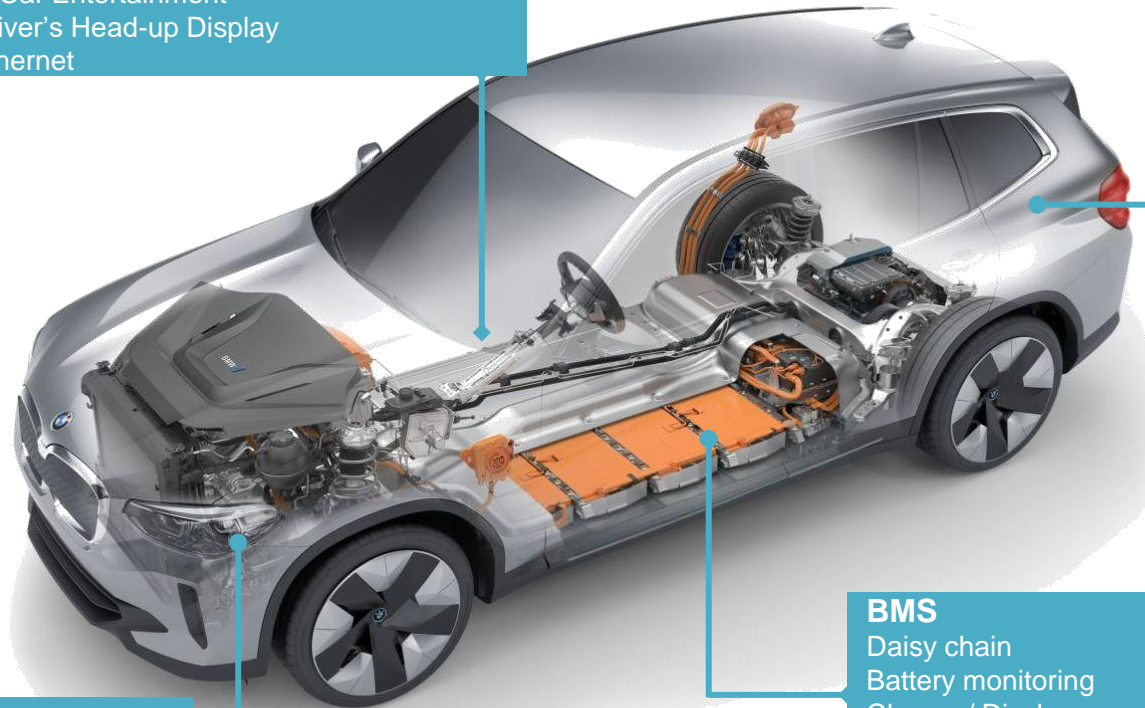# MicroSpaceXS™ Sealed plug procedure of insertion
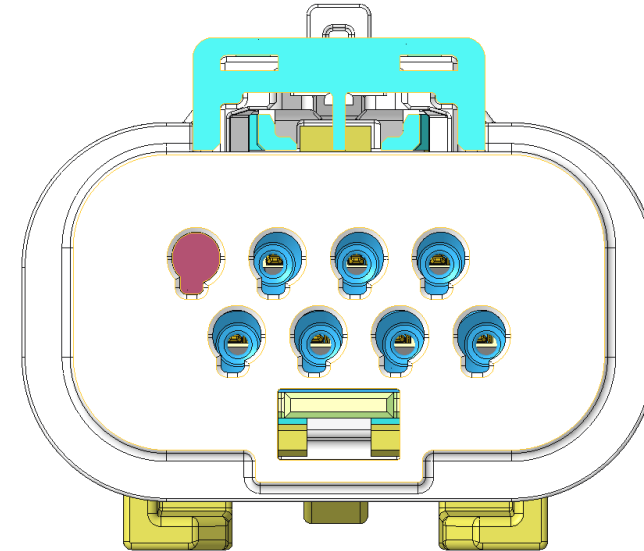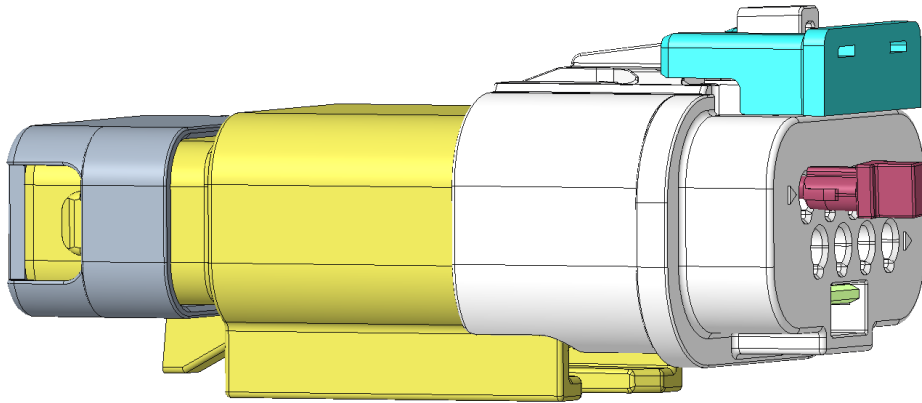
Impossible to positioned incorrectly, because of the forme. Do not force.

MicroSpaceXS™ Target Market Application

Infotainment
Navigation
In Car Entertainment
Driver's Head-up Display
Ethernet

Camera System
Front Camera   Surrounding Camera
Rear Camera   Internal Camera
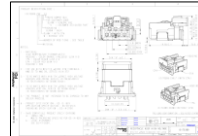
LED Lighting System
Front and Rear Head light
Internal Lights

BMS
Daisy chain
Battery monitoring
Charge / Discharge control

MicroSpaceXS™ Marketing Tools

- Samples available (check with sample room Tatabanya : samples.global@amphenol-eu.com)

- Website quick link: Landing Page

- Available on website

    - Drawings

    - 3D Models

    - Datasheet

    - Product specifications

    - Product presentation

If you have any enquires, please contact to us:
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- **PLM**: Jerome Petit j.petit@amphenol-eu.com

Glossary

- **Header**   Housing with pins (Male connector)
- **Receptacle**   Female housing
- **Terminal**   CTW contact
- **TPA**   Terminal Position Assurance
- **CPA**   Connector Position Assurance
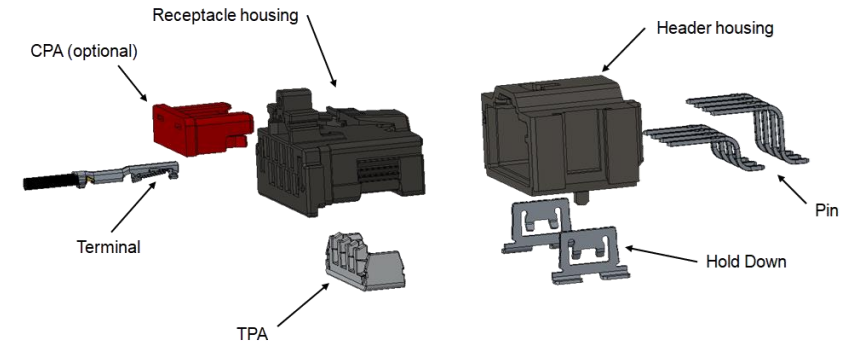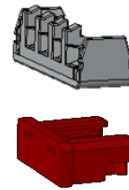
- **StS**   Side to Side (contacts placed on side to side row)
- **StG**   Staggered (contacts placed on staggered row)
- **SR**   Simple row (contacts placed on 1 side to side row)
- **DR**   Double row (contacts placed on 2 side to side row)

- **SL**   Side Latch (latch between header and receptacle placed on the side of the connector)
- **TL**   Top latch (latch between header and receptacle placed on the top of the connector)
- **Horizontal**   Connection axis parallel to the board
- **Vertical**   Connection axis perpendicular to the board
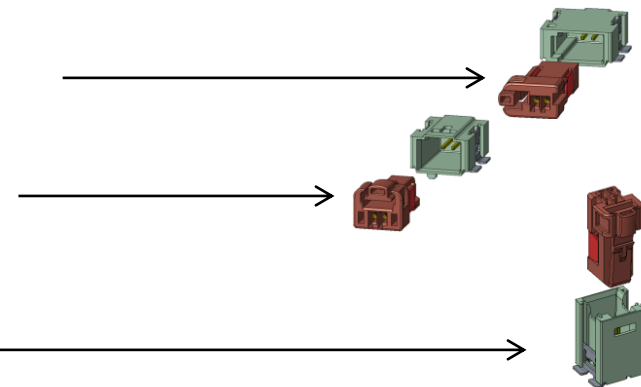
Thank You

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