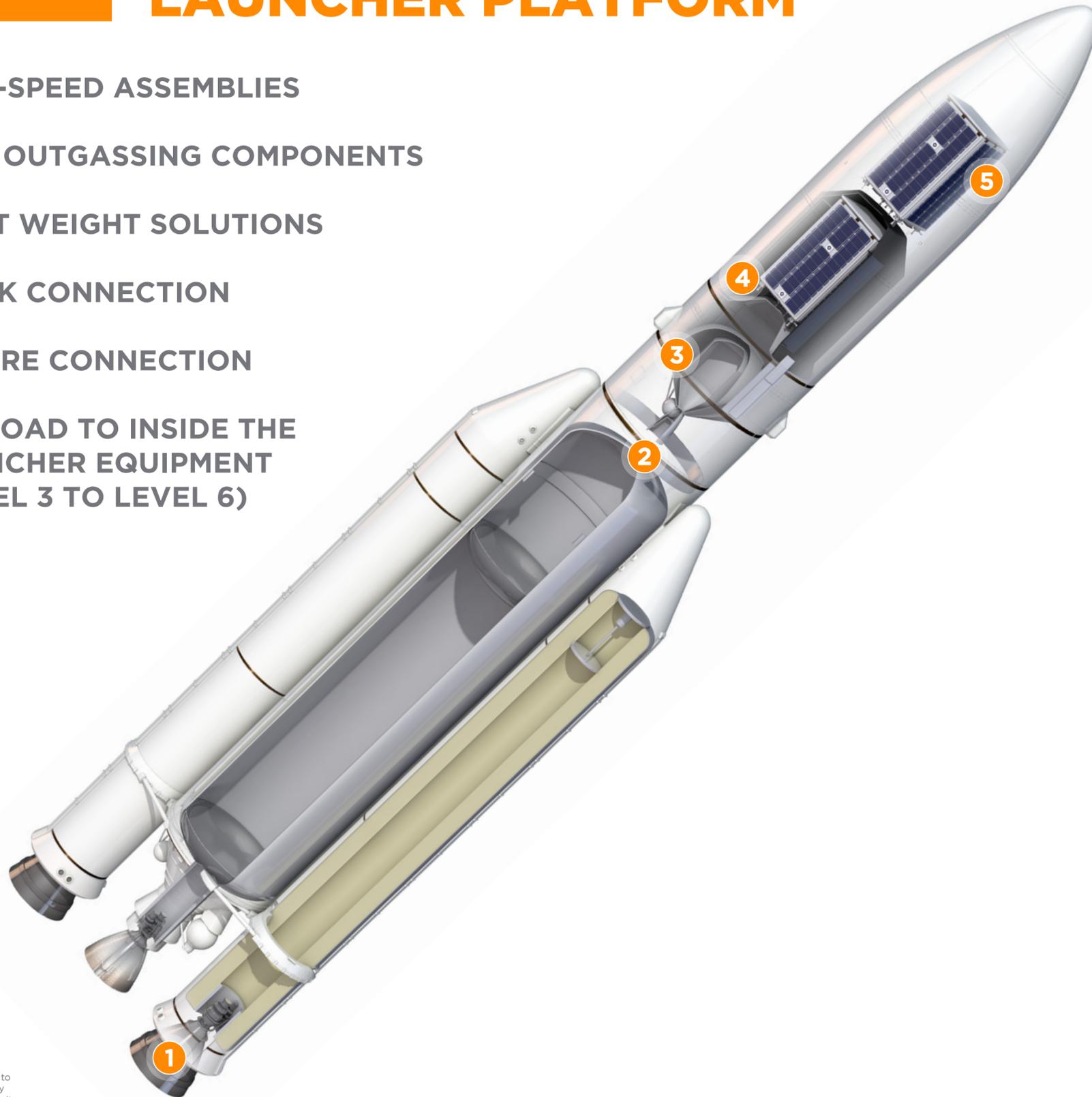


LAUNCHER PLATFORM

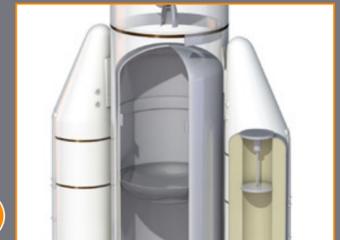
- HIGH-SPEED ASSEMBLIES
- LOW OUTGASSING COMPONENTS
- LIGHT WEIGHT SOLUTIONS
- QUICK CONNECTION
- SECURE CONNECTION
- PAYLOAD TO INSIDE THE LAUNCHER EQUIPMENT (LEVEL 3 TO LEVEL 6)



1

PROPULSION SYSTEM

- Extreme Temperature Connectors
- Hermetic Connectors
- Temperature Sensors



2

BOOSTER AND INTERSTAGE INTERFACE

- Push-Pull Connectors
- Deadface Connectors
- Quick Disconnection



3

EQUIPMENT CONTROL

- High Speed Connectors
- Cable Assemblies
- Light Weight Solutions



4

SATELLITE INTERSTAGE

- Cable Assemblies
- Circular Connectors
- Sensors



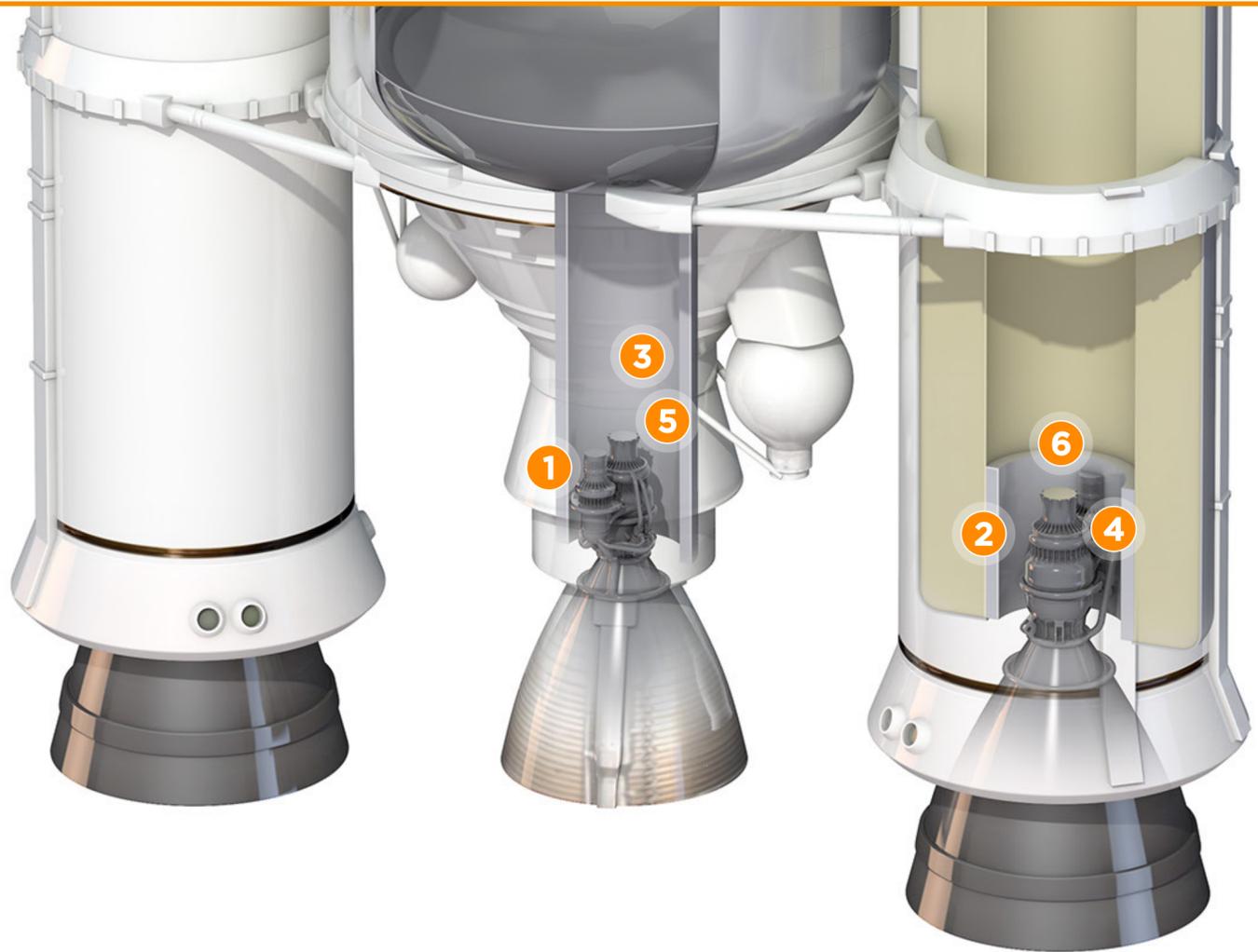
5

LAUNCHER FAIRING

- Quick Disconnection
- Cable Assemblies
- Push-Pull Connectors
- Sensors

PROPULSION SUBSYSTEM

- EXTREME TEMPERATURES
- HIGH VIBRATION
- RUGGEDIZED SOLUTIONS
- HERMETICS SOLUTION



1

CIRCULAR CONNECTORS

- DEUTSCH DBAS Series Connector
- ESA Approved
- RSM Series Connectors
- D38999 Space Grade Connectors



2

DEUTSCH HERMETIC CONNECTORS

- Maintains a Pressure Differential Between the Two Sections
- Gastight Glass-to-metal Sealing
- Withstand High Pressures, Extreme Temperatures and High Vibration
- Wide Range of Connector Types and Styles



3

DEUTSCH 951 CONNECTORS

- Rugged Bayonet Connector
- Meet the requirements of UTE C 93422, Model HE301B, LN29500 and MIL-C-26482 Series I Specifications



4

TEMPERATURE SENSORS

- Application: Rocket Batteries
- Technology: Mica Wire-Wound Platinum
- Operating Temperature: -70°C to +200°C



5

DCS SERIES CONNECTORS

- Miniature Crew Coupling Connector
- Designed in accordance to MIL-DTL-38999-S2
- Scoop Prof



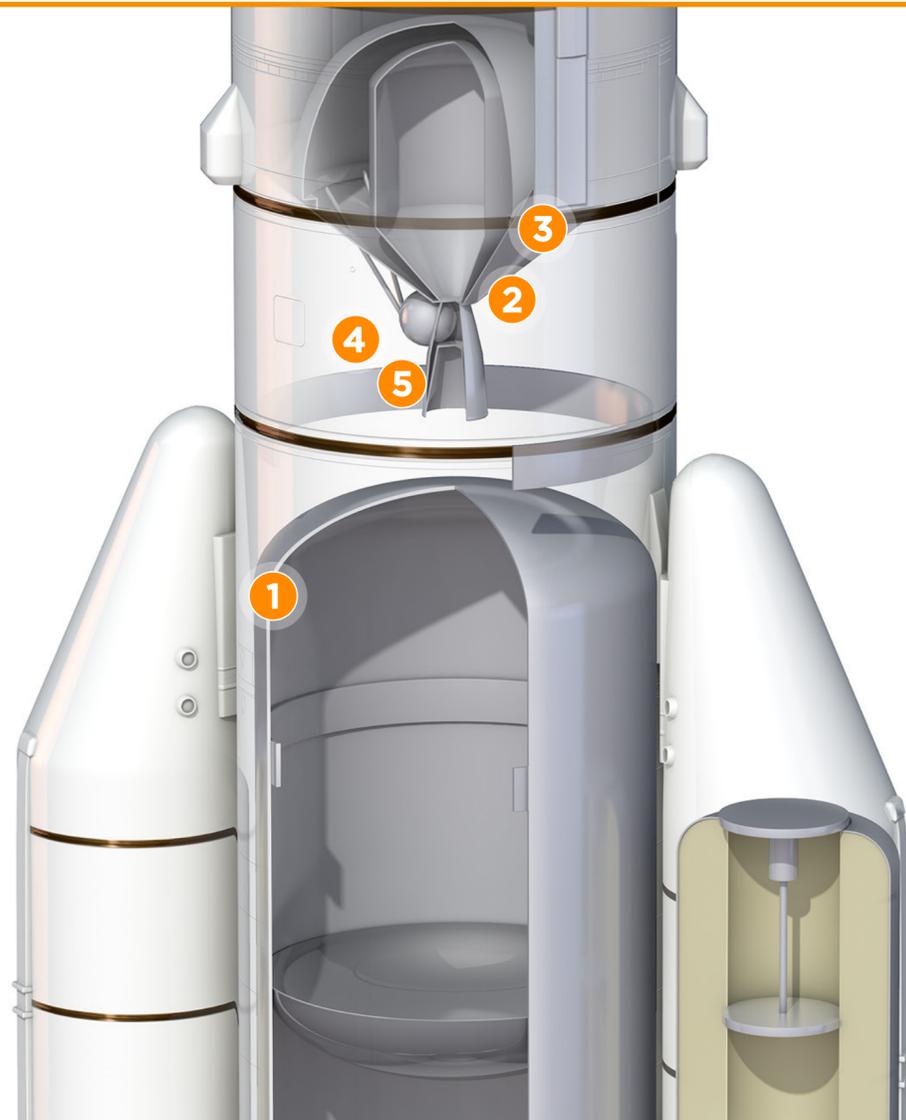
6

POLAMCO BACKSHELLS

- EMI Protection
- Circular & Rectangular Backshells

BOOSTER & INTERSTAGE INTERFACE

- QUICK DISCONNECTION
- DEADFACE CONNECTOR
- LIGHT WEIGHT
- HERMETICS FEEDTHROUGH SOLUTION



This drawing is intended to depict products generally provided by TE Connectivity and does not represent products provided to any particular launcher.



1

PUSH-PULL CIRCULAR CONNECTORS

- DEUTSCH DBAS Series Connector
- Feedthrough Solution
- ESA Approved
- Cryogenic Application



2

PYROTECHNIC CONNECTORS

- Rugged Bayonet Connector
- Meet the requirements of UTE C 93422, Model HE301B, LN29500 and MIL-C-26482 Series I Specifications



3

SPECIAL CONNECTOR

- Based on Technical Specification



4

POSITION SENSOR

- Booster Actuator

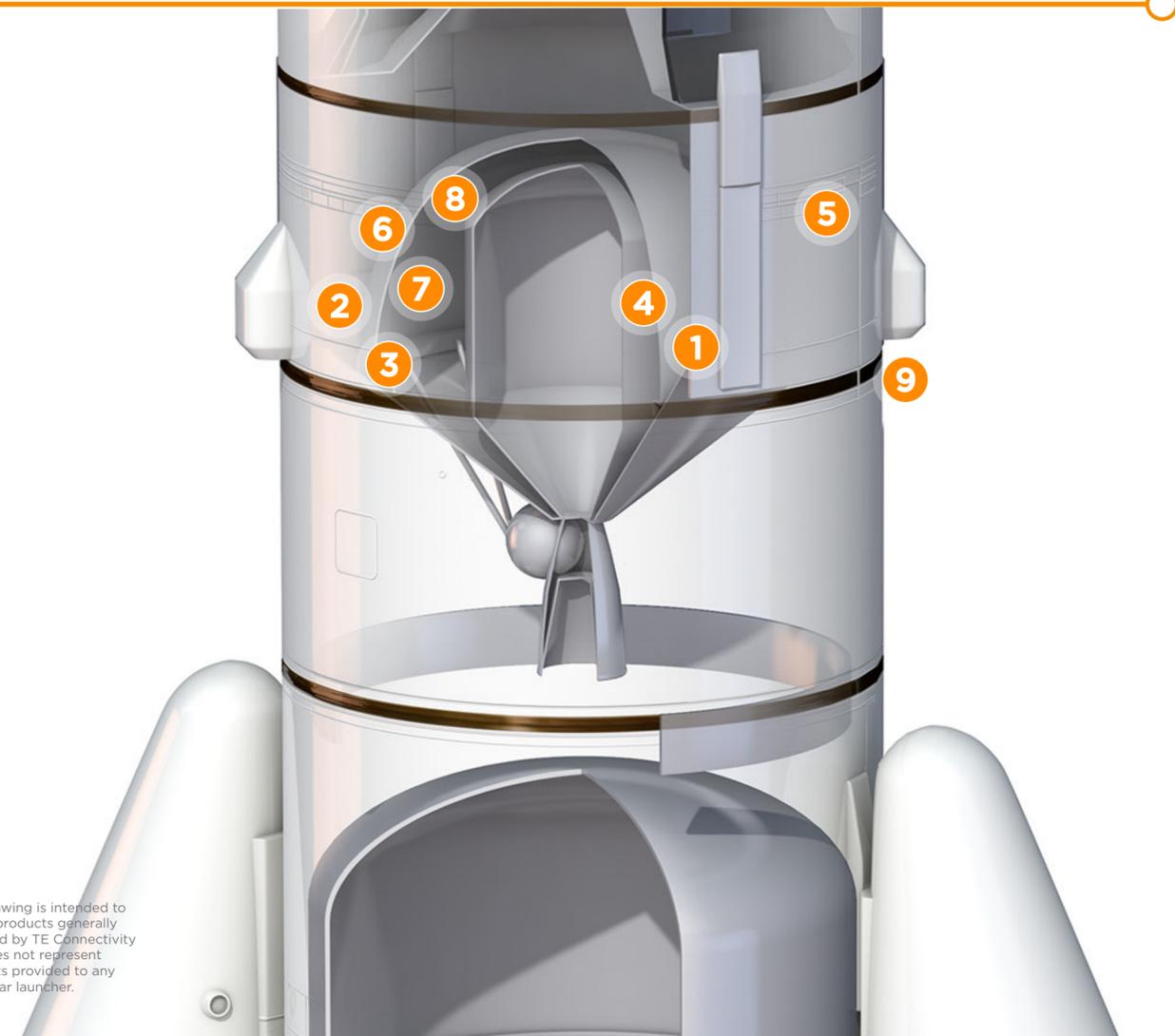


5

ACCELEROMETER

- Structural Vibration Monitoring

- HIGH SPEED
- LIGHT WEIGHT SOLUTIONS
- HIGH RELIABILITY
- LEVEL 3 TO LEVEL 6
- CUSTOM PRODUCT / UMBILICAL CONNECTORS



This drawing is intended to depict products generally provided by TE Connectivity and does not represent products provided to any particular launcher.

1



RAYCHEM SPEC 55 SIGNAL AND POWER SPACE WIRE

- Operating Temperature Range: -65°C to +200°C
- ETFE Insulation Material
- NASA Compliant
- ESA or Mil-Spec Versions Available
- Ultra Low Fluoride Versions Available

2



CIRCULAR CONNECTORS

- DEUTSCH DBAS 7 & 9 Series Connector
- ESA Approved
- Cryogenic Application

3



POLAMCO BACKSHELLS

- EMI Protection
- Circular Backshells

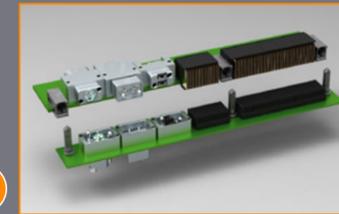
4



HIGH-TEMPERATURE TUBING

- +200°C and +150°C Alternatives
- NASA Spec
- RT-555 High Temperature
- Heat Shrink Tape

5



SPACE VPX

- MULTIGIG RT 2-R Connectors
- Ultra-rugged, lightweight, high-speed backplane connector
- Compliant to VITA 46 Standards

6



NANOMINIATURE CONNECTORS

- Rectangular, Coax, and Sealed Circular Configurations
- Excellent Shock and Vibration Resistance
- Wide Temperature Range (-200°C to +200°C)

7



MICROMINIATURE CONNECTORS

- High Shock and Vibration Ratings
- Temperature range (-200°C to +200°C)
- Lightweight
- Low Outgassing
- NASA Spec
- Mil-Spec Versions Available

8



RECTANGULAR CONNECTORS

- EN4165
- Wide Range of Modules for Signal and Power
- Excellent EMI Performance
- Robust Composite Shell Saves Weight

9

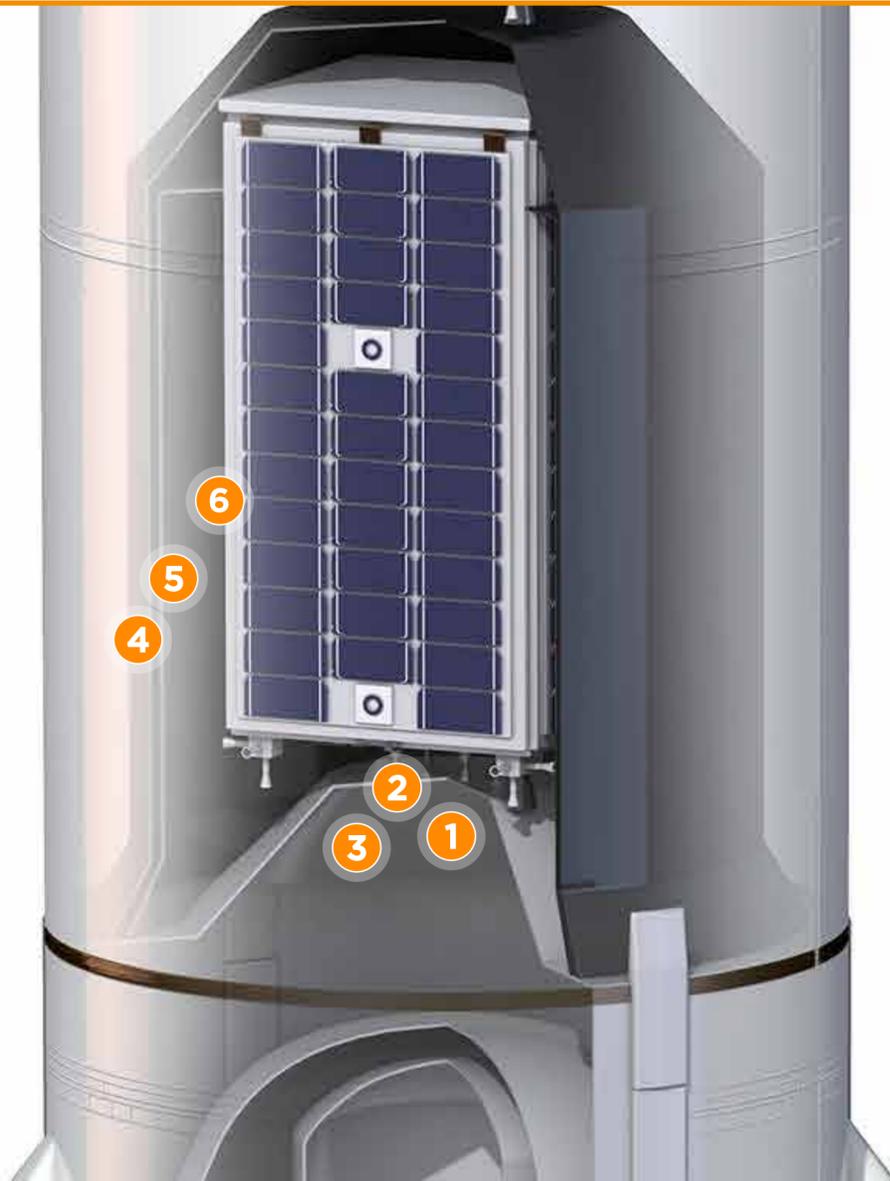


CABLE MANAGEMENT SOLUTIONS

- Quick Install Cable Clamps
- Lightweight Adhesive Brackets

SATELLITE INTERSTAGE

- EMI RESISTANCE
- LIGHT WEIGHT SOLUTIONS
- HIGH RELIABILITY
- RACK & PANEL SOLUTION



This drawing is intended to depict products generally provided by TE Connectivity and does not represent products provided to any particular launcher.



1

CIRCULAR CONNECTORS

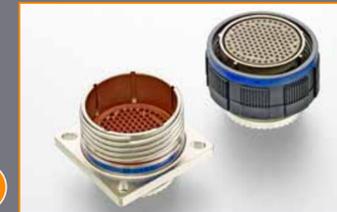
- DEUTSCH DBAS 7 & 9 Series Connector
- Rack & Panel Solution
- ESA Approved



2

CIRCULAR BACKSHELLS

- Raychem HexaShield Backshell
- Simple Installation and Re-entry



3

CIRCULAR CONNECTORS

- D38999 Space Grade Connectors



4

SENSOR SOLUTIONS ACCELEROMETER

- Motion Control
- Noise monitoring
- Available in Custom and Standard Packages



5

ESA SPACE WIRE

- Operating Temperature Range: -100°C to +200°C
- Space Saving Thin Single Wall Construction
- Radiation Cross-Linked Modified ETFE Insulation Material
- Low Outgassing



6

KILOVAC HIGH VOLTAGE RELAYS

- High Reliability
- Many Configurations and Form Factors Available
- Operating Temperature Range -55°C to +125°C

LAUNCHER FAIRING

- LIGHT WEIGHT
- THERMAL SHOCK
- QUICK DISCONNECTION



This drawing is intended to depict products generally provided by TE Connectivity and does not represent products provided to any particular launcher.

1



RAYCHEM SPEC 55 SIGNAL AND POWER SPACE WIRE

- Operating Temperature Range: -65°C to +200°C
- ETFE Insulation Material
- NASA Compliant
- ESA or Mil-Spec Versions Available
- Ultra Low Fluoride Versions Available

2



CIRCULAR CONNECTORS

- DEUTSCH DBAS 7 & 9 Series Connector
- ESA Approved

3



PYROTECHNIC CONNECTORS

- Rugged Bayonet Connector
- Meet the Requirements of UTE C 93422, Model HE301B, LN29500 and MIL-C-26482 Series I Specifications

4



HIGH-TEMPERATURE TUBING

- +200°C and +150°C Alternatives
- NASA Spec
- RT-555 High Temperature Heat Shrink Tape

5



ALPEN HIGH-PERFORMANCE COAXIAL CABLE

- Very Low Insertion Loss
- Very High Velocity of Signal Propagation: Add up to 83+%
- DC to 65 GHz
- Very Low Weight

6



SENSOR SOLUTIONS

- Accelerometer
- Motion Control
- Noise Monitoring
- Available in Custom and Standard Packages

7



DCS SERIES CONNECTORS

- Miniature Crew Coupling Connector
- Designed in Accordance to MIL-DTL-38999-S2
- Scoop Prof

8



KILOVAC HIGH VOLTAGE RELAYS

- High Reliability
- Many Configurations and Form Factors Available
- Operating Temperature Range -55°C to +125°C

9



SOLDERSLEEVE DEVICE

- Low Outgassing
- Strain Relief with Ratings up to +150°C
- Tensile Strength up to 15 Pounds
- Splicing Wires and Shield Termination