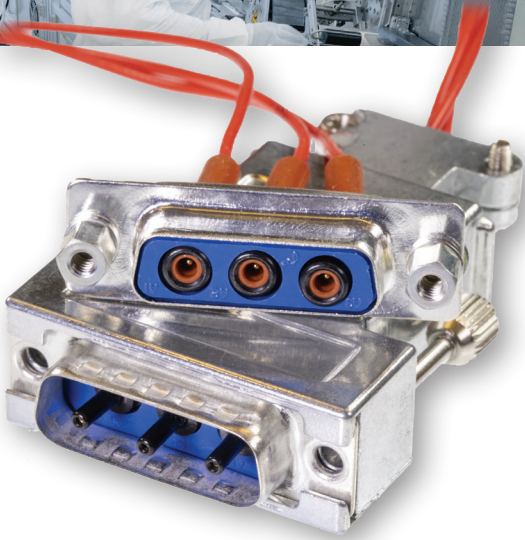


# DHM High Voltage Cable Assemblies

Leveraging 13.5 kV<sub>DC</sub> Hi/Mate™ Technology



- Standardized Connector Housings
  - High Voltage & Mixed Signal
- Factory Assembled, Tested, Trusted

## What are DHM Interconnects?

Teledyne Reynolds is well known for the quality of its high voltage interconnects, used in some of the most exacting high-reliability systems on (and off) the planet. Hi/Mate™ inserts are self-contained high voltage interconnect systems that can easily be used within standard Sub-D shells for high voltage and mixed signal applications. We sell both Hi/Mate connectors, and are also long-standing partners for customers requiring custom designed and assembled Hi/Mate interconnects. The DHM series offer standard, off-the-shelf interconnects employing Hi/Mate inserts in a variety of Sub-D shells, that are pre-wired, professionally assembled, tested and qualified.

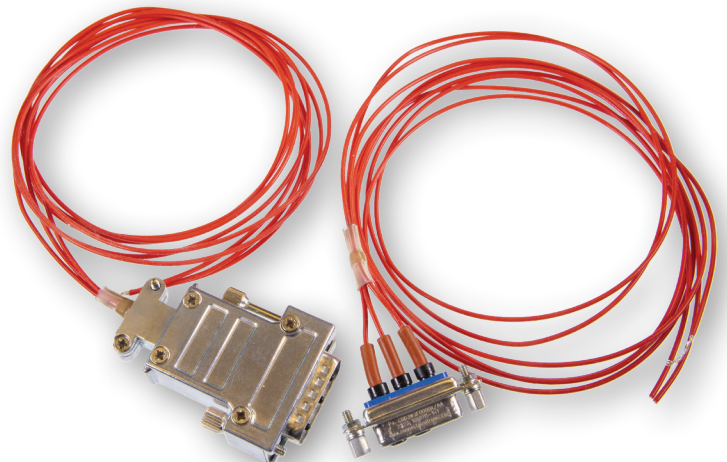


## Overview

- High voltage functionality in a standard connector platform
- Mixed signal performance all in one connector
- Multiple connector layouts and sizes
- Contained jack screws for reliable and secure connector mating
- Single-ended pigtails, double-ended assemblies available

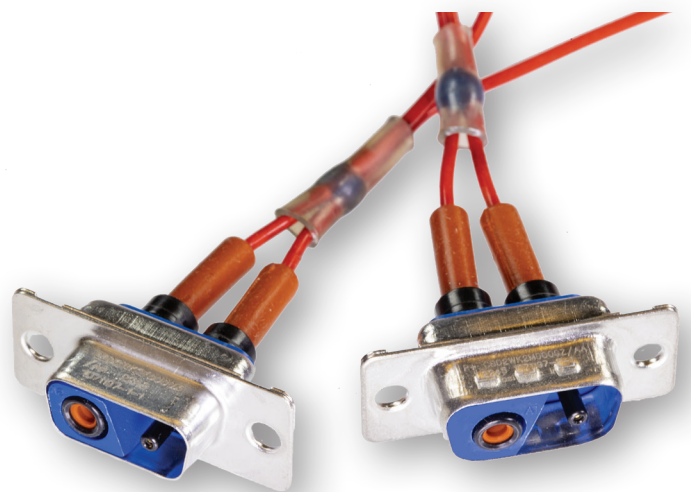
## Applications

- Semiconductor Equipment
- Power Supplies
- Airborne Military Systems
- Analytical Equipment



## Specifications

- Operating Voltage: 13.5 kVDC
- Altitude: 0 to 70,000 ft
- Temperature Range: -55°C to +125°C
- Operating Current: 5.9 Amps (80° free air)

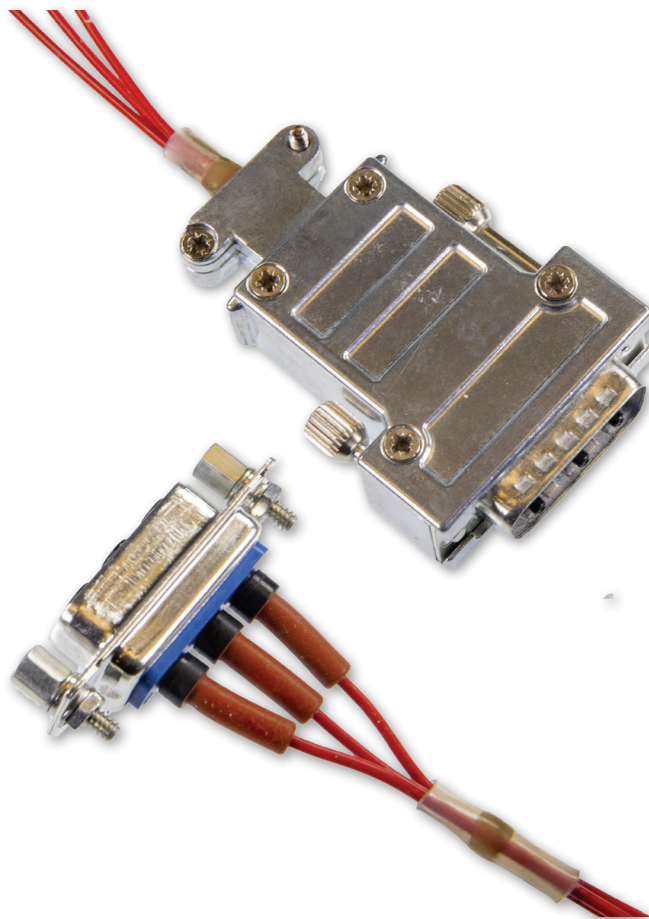


## Plug Cable Assemblies






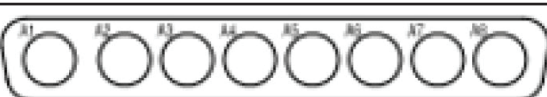
- Single or double ended
- Equipped with back shell for strain relief
- Equipped with rotating jack screws for connector latching

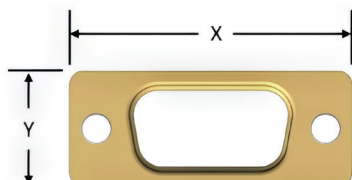
## Receptacle Cable Assembly

- Can be front or rear mounted to panel
- Equipped with jack posts kit for connector latching



## Standard Insert Configurations

Shell Size	High Voltage Options	Mixed Signal Options	X (inches), +/- 0.15"	Y (inches), +/- 0.15"
1	2WK2 	5W1 	1.213	0.494
2	3W3 	11W1 	1.541	0.494
3	5W5 	Options available upon request	2.088	
4	8W8 	Options available upon request	2.729	





## Ordering

Use the following to designate the DHM assembly desired.

DHM - P1 - 2WK2 - XXX

### Step 1: Connector Selection

- P1: Plug, Single-Ended
- P2: Plug, Double-Ended
- R1: Receptacle, Single-Ended

### Step 2: Insert Configuration

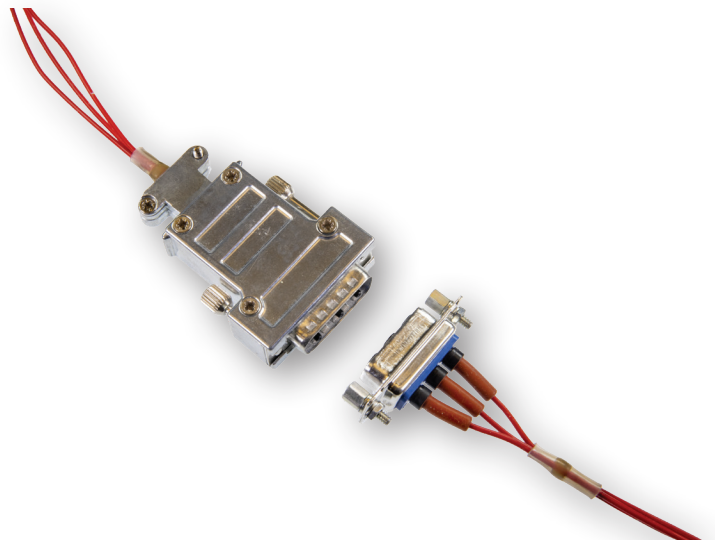
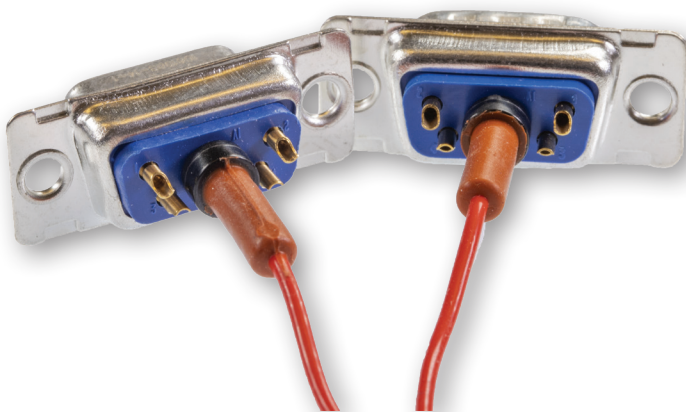
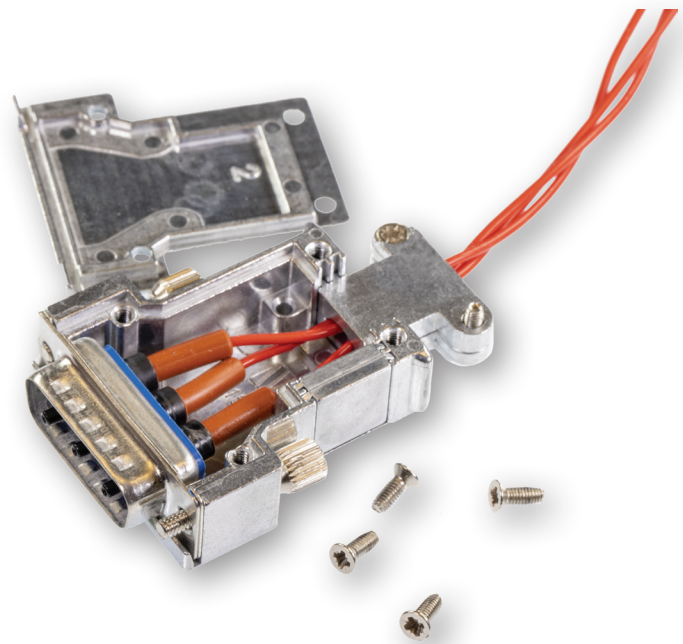
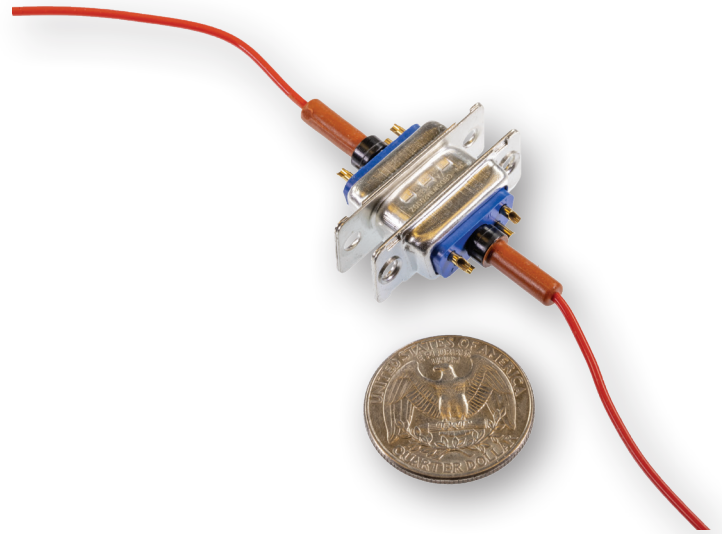
- Shell Size 1: 2WK2, 5W1
- Shell Size 2: 3W3, 11W1
- Shell Size 3: 5W5
- Shell Size 4: 8W8

### Step 3: Assembly Length

XXX = Length (in inches)

### Example:

DHM-P1-2WK2-012 = Single ended plug (2WK2), 12 inch length



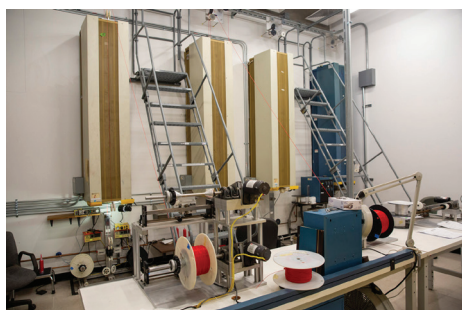


## Why Buy DHM Assemblies?

Having us manufacture complete assemblies ensures that they are made to the highest quality standards based on decades of high voltage experience, using original tools and jigs, and screened in the used-as configuration to assure specified operation under all conditions.



Precision Measurement



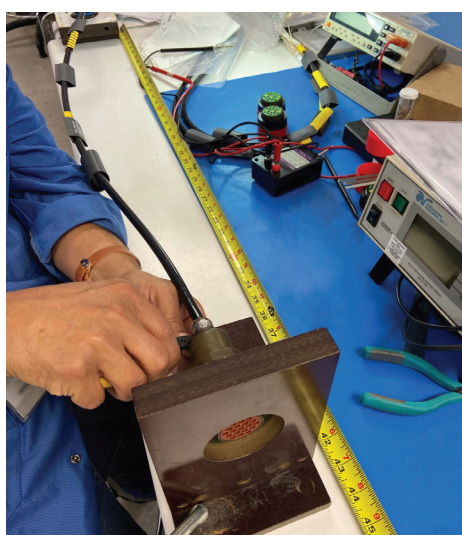
Etching, Coating & Curing HV wire



Low PD Testing



Harness Inspection



Harness Assembly



Epoxy Mixing



Injection Molding



Curing Ovens



Autoclave & Curing Ovens



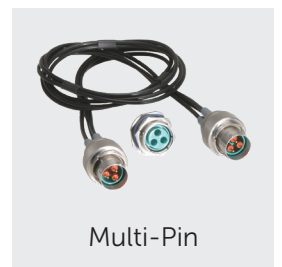
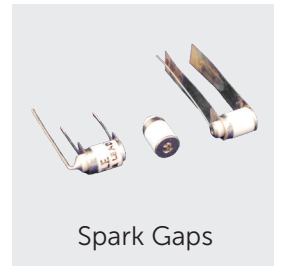
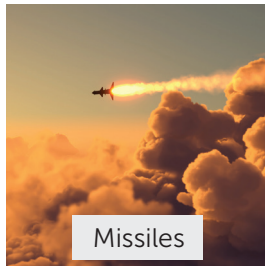
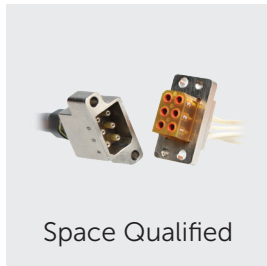
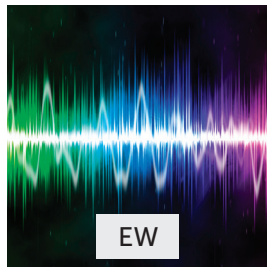
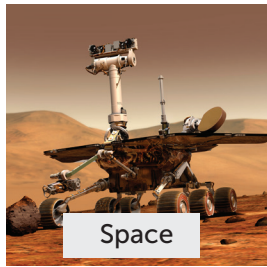
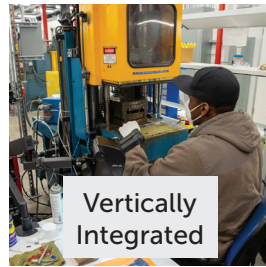
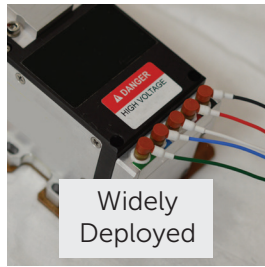
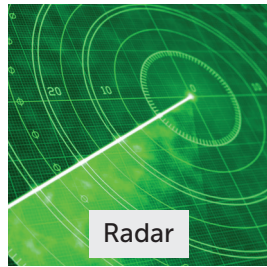
Connector Assembly



Harness Soldering



# About Us



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