

# Q-RPT Replacement Kit

## Instruction sheet

*This kit includes a replacement Pressure Transducer calibrated to a specific range and class. The kit also contains the following components:*

DESCRIPTION	QTY	PART NO.
Crimp terminal	10	2207416
Crimp terminal	10	3154579
Crimp terminal	2	3154472
Crimp terminal	10	3154485
Connector	1	2194502
Connector	1	3140008
Connector	1	1812216
Connector	1	3141826
Connector	1	3141173
<b>CRIMP TOOLS</b> (Shown for reference only. Not supplied with kit.)		
PRODUCT	Molex TOOL NO.	
PPC4	63819-0500	
PPCH and PPCH-G	63819-0000	
RPM3, molbox, RPM4, PPC3	63811-8200	

### Introduction

*Only DHI or DHI Authorized Service Providers are authorized to install replacement Q-RPTs. Replacement or installation by other parties will void the warranty of the Q-RPT and possibly the equipment into which it is installed. Measurement and/or control specifications are also valid only under these conditions.*

*Q-RPTs are used in a variety of DHI Controllers, Monitors and Flow Terminals. Different crimps, connectors and associated crimp tools are used with different models. The pages that follow show the crimps, connectors and crimp tool required for*

*each equipment type. Refer to the wiring diagrams on the following sheets and to the detailed instructions included with Molex hand crimp tools, to install crimps onto wires. Molex crimp tool instruction sheets are also available on the Molex website at [www.molex.com](http://www.molex.com).*

[http://www.molex.com/pdm\\_docs/ats/ATS-638190500.pdf](http://www.molex.com/pdm_docs/ats/ATS-638190500.pdf)

[http://www.molex.com/pdm\\_docs/ats/ATS-638190000.pdf](http://www.molex.com/pdm_docs/ats/ATS-638190000.pdf)

[http://www.molex.com/pdm\\_docs/ats/ATS-638118200.pdf](http://www.molex.com/pdm_docs/ats/ATS-638118200.pdf)

*The Molex Quality Crimping Handbook 63800-0029 is also available on Molex website and is a good reference.*

[http://www.molex.com/pdm\\_docs/ats/TM-638000029.pdf](http://www.molex.com/pdm_docs/ats/TM-638000029.pdf)

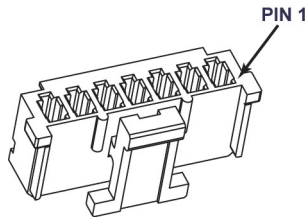
### Note

**DDS NOTE:** Some Paroscientific Pressure Transducers include a separate wire bundle used for DIGIQUARTZ DATA STORAGE (DDS). The bundle includes a White/Violet, White/Brown and in some cases a Yellow wire. The DDS wires are utilized only on PPCH, PPCH-G, and PPC4 products. For all other DHI products do not disturb the DDS bundle. Leave it coiled with the wire ends sealed as supplied by Paroscientific.

**Wire Lengths:** *Specific wire lengths have been intentionally omitted from these instructions. Preferred method is to measure the wire length on the existing Transducer being replaced and cut the wire lengths on the replacement Transducer to same length.*

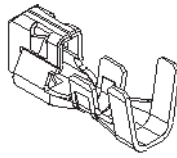
*Q-RPT must be calibrated after installation.*

**Connector**



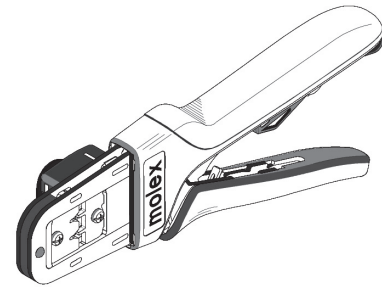
P/N 3141826

**Crimp Terminal**

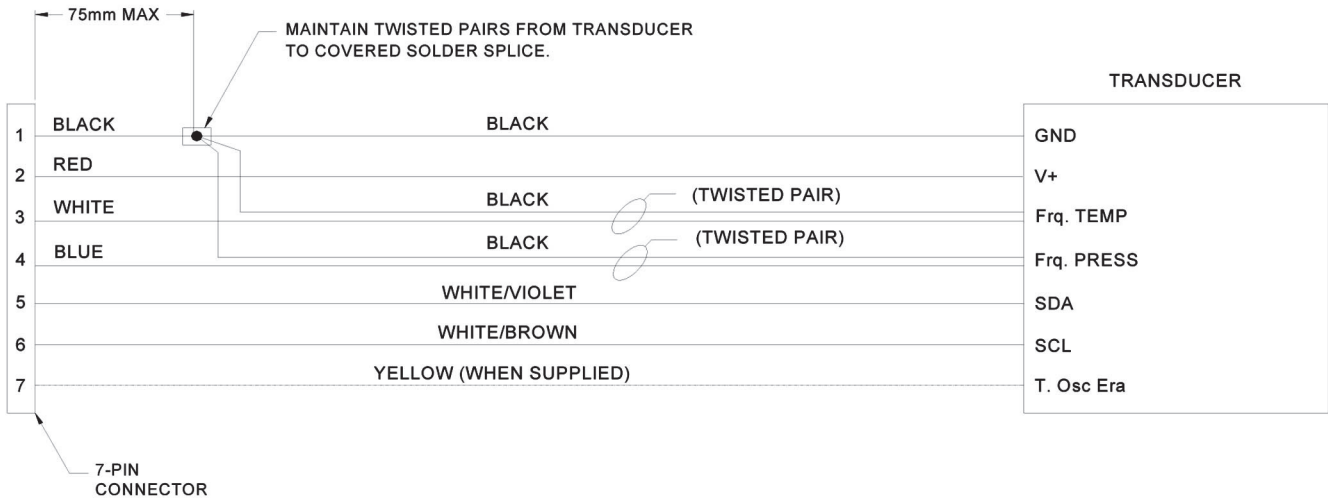


P/N 3154579

**Crimp Tool**

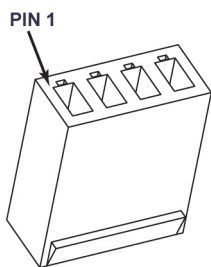


MolPex P/N: 63819-0500



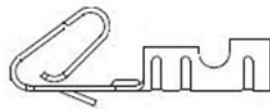
**Figure 1: PPC4 Components and Transducer Wiring Diagram**

**Connector**



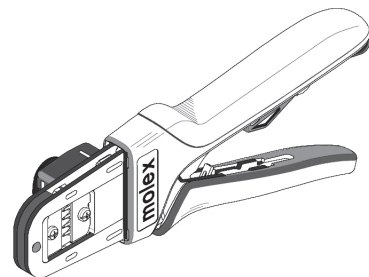
P/N 2194502

**Crimp Terminal**

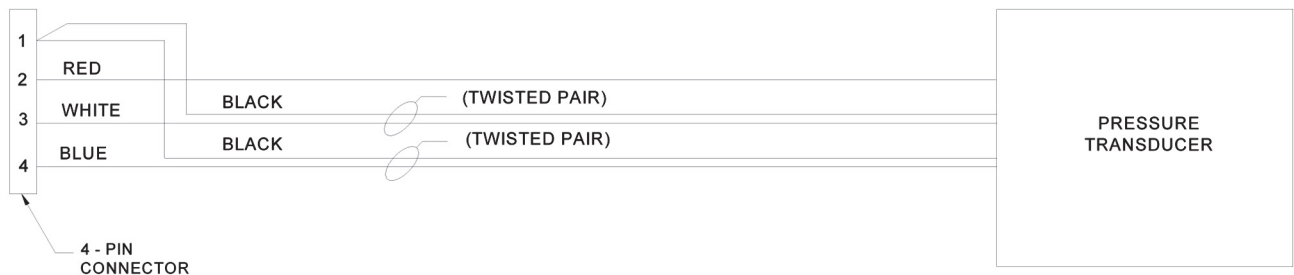


P/N 2207416

**Crimp Tool**

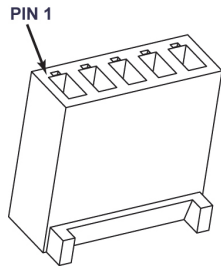


MolPex P/N: 63811-8200



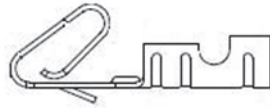
**Figure 2: RPM3 Components and Transducer Wiring Diagram**

**Connector**



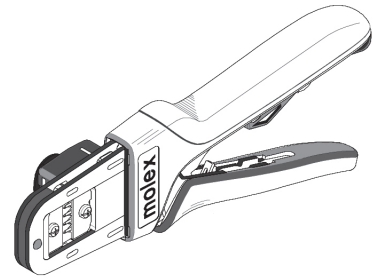
P/N 1812216

**Crimp Terminal**



P/N 2207416

**Crimp Tool**

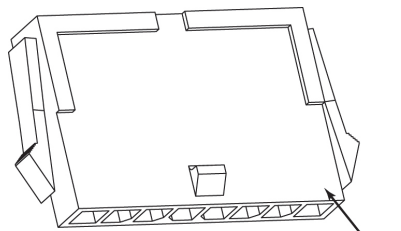


MolPex P/N: 63811-8200



**Figure 3:** molbox1 and molbox1+ Components and Transducer Wiring Diagram

**Connector**



P/N 3141173

**Crimp Terminal**

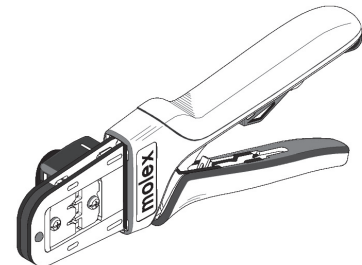


P/N 3154472 (1)

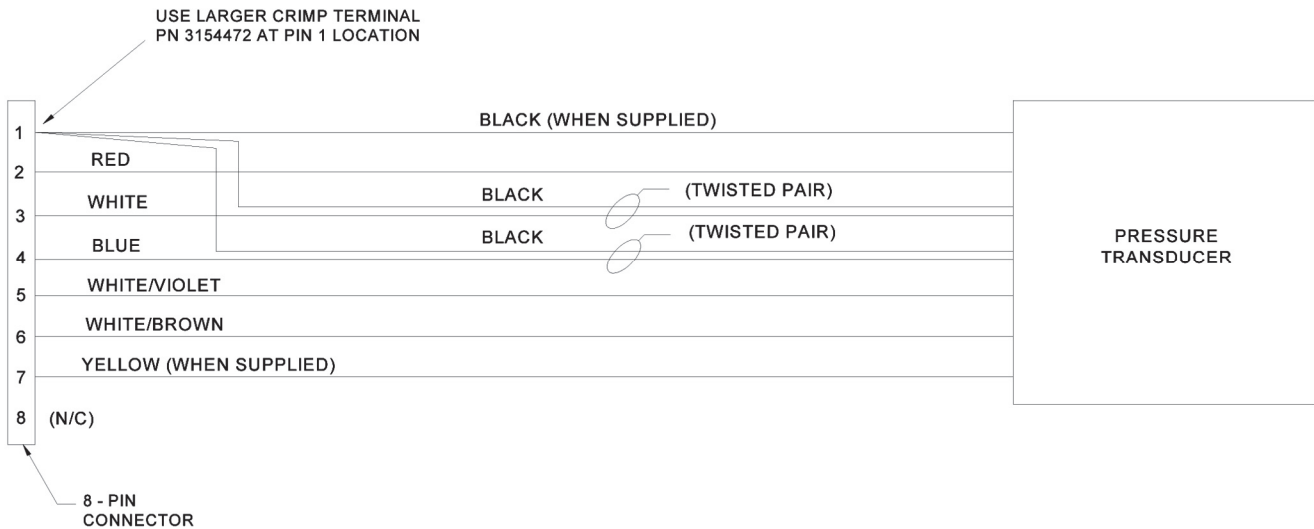
P/N 3154485 (7)

NOTE: 3154472 HAS LARGER CRIMP BARREL TO ACCEPT MULTIPLE WIRES.

**Crimp Tool**

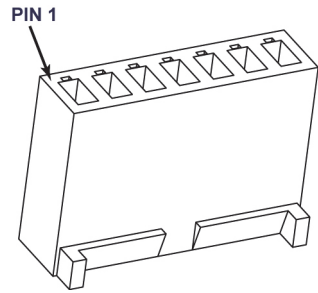


MolPex P/N: 63819-0000



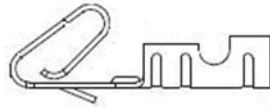
**Figure 4:** PPCH and PPCH-G Components and Transducer Wiring Diagram

**Connector**



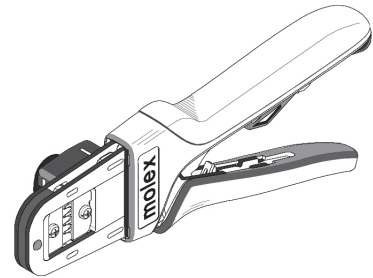
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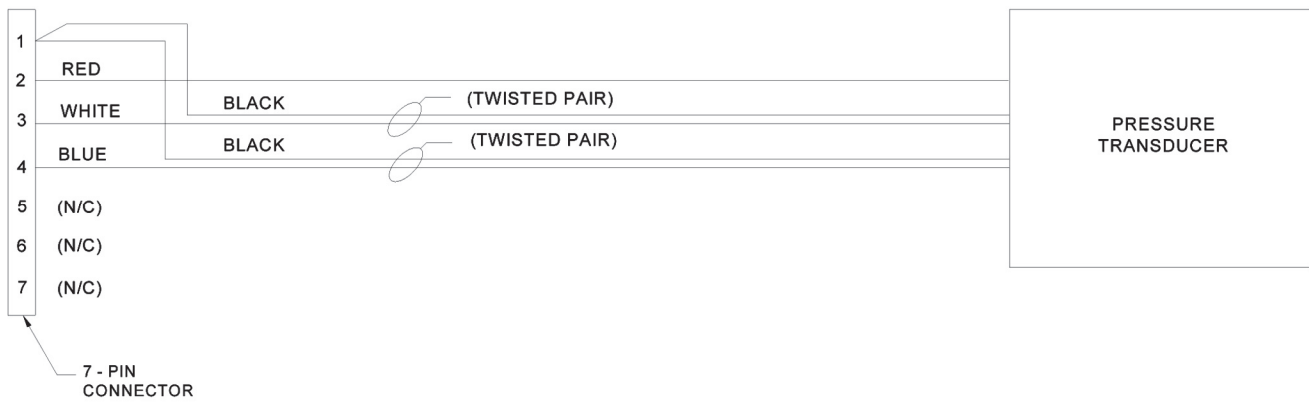


P/N 2207416

**Crimp Tool**



MolPex P/N: 63811-8200



**Figure 5:** RPM4 and PPC3 Components and Transducer Wiring Diagram