TB162 (Rev1) - Dynaper to Renco Encoder Connector Conversion

Overview

This document describes the procedure and pin-out for converting a Dynaper 10 pin (5x2) encoder plug to a Renco 9 pin (9x1) pigtail.

Background

Centroid was using Dynaper encoders with a 5 x 2 header for the encoder connection. Our current configuration is a Renco encoder with a 9 x 1 header. This document shows the pin-out and procedure to connect a 9 x 1 plug that will fit into the Renco pigtail. The DB9 connecter and pin-out is included for verification and troubleshooting purposes.

Your Dynaper encoder cable connector should look line this:

		KEY			
1	2	3	4	5	
NC	Black	Red/Black	White/Black	Blue	
	(GND)	(A')	(B')	(Z')	
6	7	8	9	10	
RED	NC	Green Orange		White	
(VCC)		(A)	(B)	(Z)	

Shield goes to solder tab.

This end should be cut.

The wires should be crimped with Centroid P/N 865 (Molex Pin ? Female) C-Grid.

Insert wires into Centroid P/N 933 Molex 9 pin C-Grid housing as shown below:

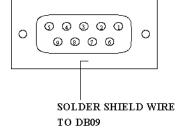
9 Pin connector:

				KEY				
1	2	3	4	5	6	7	8	9
Green	Red/Black	Orange	White/Black	White	Blue	Red	Black	Shield
(A)	(A')	(B)	(B')	(Z)	(Z')	(VCC)	(GND)	

This 9-pin connector will plug directly into the provided Renco pigtail.

DB09 Connector Pin-out:

DB09 CONNECTOR (BACK VIEW)



2 = BLACK (GND)

3 = BLUE (Z?)

4 = RED/BLACK(A?)

5 = WHITE/BLACK (B?)

6 = WHITE (Z)

7 = GREEN(A)

8 = ORANGE (B)

9 = RED (+5)

Document History

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