



**TABLE 1 - OUTPUT CONNECTIONS VIA HIROSE RM15-TPD-10S(71)**

Pin No.	Function
1	X output
2	Y output
3	Z output
4	Signal Ground*
5	Power Ground
6	+12 to 15V
7	-12 to 15V

\*POWER AND SIGNAL GROUNDS ARE JOINED AT THE ELECTRONICS ASSEMBLY. SEPARATE POWER AND SIGNAL WIRES MINIMISE DC ERRORS IN THE SIGNAL GROUND WHEN USING VERY LONG CABLES

**TABLE 2 - INPUT CONNECTIONS VIA SOLDER PADS OF ELECTRONICS**

Function	Mag610/611 Wire Colour	PCB Pad
Excitation common	BROWN	5
X excitation	YELLOW	8
Y excitation	RED	7
Z excitation	ORANGE	6
Detection common	GREEN	1
X detection	GREY	4
Y detection	BLUE	3
Z detection	VIOLET	2

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	<p>THIRD ANGLE PROJECTION</p>		<p>MATERIAL</p>	<p>DRAWN</p> <p><i>Daniel Cetnik</i></p>	<p>24/07/2013</p>
	<p>TOLERANCES FOR MACHINING: (UNLESS OTHERWISE SPECIFIED)</p> <p>XX.X = ±0.5mm</p>	<p>SURFACE TEXTURE</p> <p>µm</p>	<p>MATERIAL FINISH</p>	<p>MODIFIED</p> <p><i>Daniel Cetnik</i></p>	<p>04/06/2015</p>
				<p>CHECKED</p> <p><i>Adrian Swinton</i></p>	<p>04/06/2015</p>
			<p>SAGE/PART No</p> <p><b>NA</b></p>	<p>DRAWING No</p> <p><b>DR3248</b></p>	<p>ISSUE</p> <p><b>2</b></p>
					<p>SEE DCN NUMBER FOR DESIGN CHANGE HISTORY</p>