Da Vinci Head Sensor: JST-18 to DB 25 to DB 15 Cable Connections				
JST FUNCTION	JST-18	DB25	DB15	DB FUNCTION
POWER	1	4	8	VCC-CON-A
POWER	2	17		
POWER	3	5		
POWER	4	18		
SHSX PRESENTn	5	12		
GROUND	6	25	1	GROUND
LED1 DETECT	7	8	7	HOME
GROUND	8	21		
LED2 DETECT	9	9	5	NEGLIM
GROUND	10	22		
LED3 DETECT	11	10	3	POSLIM
GROUND	12	23		
LED4 DETECT	13	11	12	ENCI+1
GROUND	14	24		
LED1 ENABLEn	15	6	14	DOUTB+0
LED2 ENABLEn	16	19	14	DOUTB+0
LED3 ENABLEn	17	7	14	DOUTB+0
LED4 ENABLEn	18	20	14	DOUTB+0
NOT USED		1		*Note DB15 pins 11 and 10 must be connected by resistor with value 50-68 Ω
NOT USED		2		
NOT USED		3		
NOT USED		13		
NOT USED		14		
NOT USED		15		
NOT USED		16		