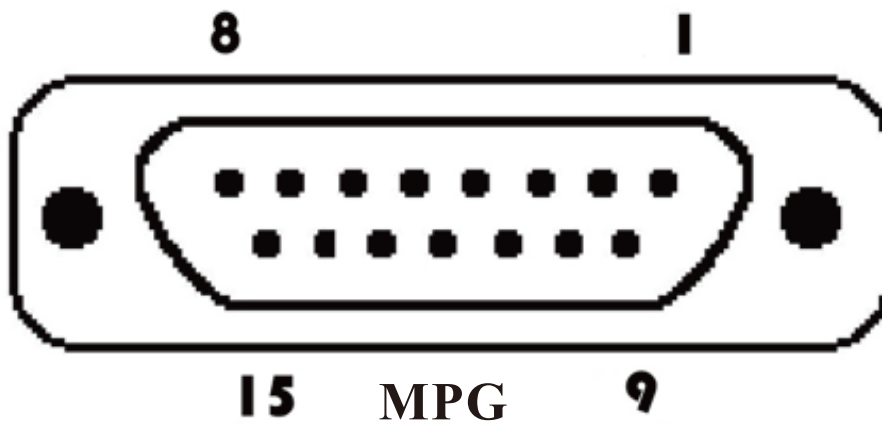


5.5 Function Switch for MPG and Connection for MPG

As the Picture 5-1 showed, the marked No.6 is the switch for the options of two type MPG. For EC500, it can supply both standard MPG and NV-MPG which is made by our company Digital Dream. The Marked No. 5 is the interface for the connection of MPG.

The difference connection for Standard MPG and NV-MPG is from the Pin1 and Pin 2. Pls check the following table. Pls don't also forget when you need standard MPG turns the switch to STD, and when you need NV-MPG, switch it to NV. Then wiring the connections of MPG interface.

MPG TYPE	STD(STANDARD MPG)		NV(NVMPG)	
PIN NO.	Mark	Definition	Mark	Definition
1	BIN	Select Axis B	T1OUT	OUT for serial port
9	CIN	Select Axis C	R1IN	IN for serial port



PIN No.	Mark	Definition
1	T1OUT	TXD of Serial port
2	VMPG	Power supply + for MPG(5V)
3	WHA+	A phase positive of the encoder
4	WHB+	B phase negative of the encoder
5	XIN	X axis select input
6	ZIN	Z axis select input
7	X100IN	100 rate select input
8	EP	Estop port
9	R1IN	RXD of Serial port
10	GND	Ground and common end
11	WHA-	A phase positive of the encoder
12	WHB-	B phase negative of the encoder
13	YIN	Y axis select input
14	AIN	A axis select input
15	X10IN	10 rate select input6