
DB26 PENDANT	Color	Function	PC DB25 CONECTOR	MACH3 FUNCTION
1	Red	+5V MPG		
2	Black	GND MPG		
3	Green	A signal MPG	2	MPG1-A
4	White	B Signal MPG	3	MPG1-B
20	purple	A' (when line drive circuit output available)		
21	Purple/black	B' (when line drive circuit output available)		
5	Green/black	+5V LED +	1	
6	White/black	GND LED		
7	Yellow	X Axis select	4	OEM Trig #1
8	Yellow/black	Y Axis select	5	OEM Trig #2
9	Brown	Z Axis select	6	OEM Trig #3
10	Brown/black	4 Axis select	7	OEM Trig #4
18	Pink	5(when select the 5th axis)	12	OEM Trig #9
19	Pink/black	6(when select the 6th axis)	13	OEM Trig #10
11	Gray	X 1 Select	8	OEM Trig #5
12	Gray/black	X10 Select	9	OEM Trig #6
13	Orange	X100 Select	10	OEM Trig #7
14	Orange/black	COM of scale select, and Axis select		
15	Light blue	E stop C	15	OEM Trig #8
16	Light Blue/black	E stop CN		
17	Red/black	N.C, reserve for future use	11	
Shield		Shield wire		

◆ TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	
Output wave	Square wave
Output signals	A, B(Line driver output A, A, B, B phase)
Current consumption	≤ 100mA
Response Frequency	0-20KHz
Output phase difference	90° ± 45°
Supply voltage	5V DC, 12V DC
Signal level	$V_{cc} \geq 85\%V_{cc}$, $V_i \leq 0.3V$
Number of pulses	100 (Other number of pulse available on request)
Output circuit	Open collector NPN, Push pull, Line driver, Voltage
MECHANICAL SPECIFICATIONS	
Signal position	2 kind
Speed without sealing	500rpm
Starting torque without sealing	$2.0 \times 10^{-3} \sim 6.0 \times 10^{-3} \text{Nm}$ (+25°C)
Shock resistance	980m/s ² , 6ms, 2 times each on XYZ
Vibration proof	50m/s ² , 10-200Hz, 2 hours each on XYZ
Working life	MTBF ≥ 10000h (+25°C, 2000rpm)
Weight	Appr. 740g
ENVIRONMENTAL SPECIFICATIONS	
Working humidity	30-85% (No condensation)
Storage temperature	-30°C-85°C
Working temperature	-10°C-70°C
Protection class	IP54