



WIRING DIAGRAM		
9 PIN "D" TYPE	Color	Signal
1	Brown	+5V
2	Red	A+
3	Blue	A-
4	Yellow	B+
5	Green	B-
6	White	GND
Case	Shield	⊥

Note:

1. A/B signal voltage: 1 ± 0.2 V (Vp-p), differential output
2. A/B amplitude difference $< \pm 0.1$ V (VAp-p - VBp-p)
3. A/B phase difference: $90 \pm 10^\circ$
4. Power supply: $5V \pm 5\%$
5. Motor V-W and Hall B difference: $\pm 10^\circ$
6. A/B phase offset < 0.1 V

7. Choosing the length of cable (L) in the table

	Part Number	L	Choosing the length of cable (L) in the table <input checked="" type="checkbox"/>
1	HMH1812LA100	500	<input type="checkbox"/>
2	HMH1812LA200	600	<input type="checkbox"/>
3	HMH1812LA300	700	<input type="checkbox"/>
4	HMH1812LA400	800	<input type="checkbox"/>
5	HMH1812LA500	900	<input type="checkbox"/>
6	HMH1812LA600	1000	<input type="checkbox"/>
7	HMH1812LA700	1100	<input type="checkbox"/>
8	HMH1812LA800	1200	<input type="checkbox"/>

ROUGH %	FIT %	GRD	SCALE	TYPE	LMACA-D(Connector)	DATE
8.0a ▽	3.2a ▽▽	0.8a ▽▽▽	1:X	CUSTOMER		May.18.11'
TOLERANCE mm				MATERIAL		CHK 黃柏盛
UP TO 6	6 30 120	120 300 600 1200 2400	OVER 2400	PART NO	HMH1M1151800	APPD 張宇榮
± 0.1	± 0.2 ± 0.3 ± 0.4	± 0.5 ± 0.8 ± 1.0 ± 1.5		NAME	DWG NO	SHEET
HIWIN® MIKROSYSTEM CORP.				Hall sensor unit	M11518	A2 1-1

ITEM	DATE	MODIFIED	DESCRIPTION	APPD
1	Jul.18.14	陳映榕	Modify Note & Add Part Number for the length of cable	張宇榮