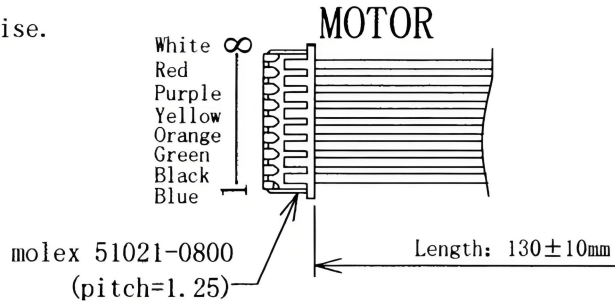


NOTE (MOTOR) :

1. Motor type: PM type stepping motor.
2. Operating voltage: 3.3-4.5V
3. Coil resistance: $40\Omega \pm 7\%$
4. Exciting driving: 2-2phaes excitation bipola method(Full step drive).
5. Using Frequence: 900PPS
6. Focus Rotate: 36° (Foucs range (Far⁽⁰⁻¹⁻²⁻³⁻⁰⁾----->Near):1209steps)
Zoom Rotate: 66.97° (Zoom range (Tele⁽⁰⁻¹⁻²⁻³⁻⁰⁾----->wide):2243steps)

Exciting pattern of cloclwise.

step	A	\bar{A}	B	\bar{B}
0	H	L	L	H
1	H	L	H	L
2	L	H	H	L
3	L	H	L	H

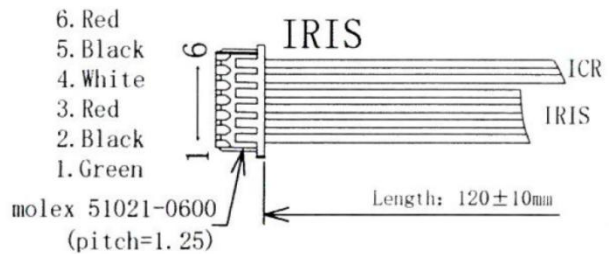


MOTOR	NO.	1	2	3	4	5	6	7	8
	PIN	FOCUS B-	FOCUS B+	ZOOM A+	ZOOM A-	ZOOM B+	ZOOM B-	FOCUS A+	FOCUS A-

Electronic pin Specification (Motor)

NOTE (ICR) :

1. Operating voltage: 3.5-5V
2. Coil resistance: $55\Omega \pm 10\% \Omega$
3. 5 (IR+), 6 (IR-) IN-----OUT
(No IR cut filter in the optical path)



NOTE (IRIS) :

1. Motor type: PM type stepping motor.
2. Operating voltage: 2.8-3.6V
3. Coil resistance: $28\Omega \pm 10\%$
4. step angle: 0.709 degrees.
5. Using Frequence: 200PPS
6. Exciting driving: 2-2phaes excitation bipola method(Full step drive)

Exciting patten of cloclwise.
CW: Open→Close

step	A	\bar{A}	B	\bar{B}
0	H	L	H	L
1	L	H	H	L
2	L	H	L	H
3	H	L	L	H

IRIS	NO.	1	2	3	4	ICR	NO.	5	6
	PIN	IRIS B-	IRIS B+	IRIS A+	IRIS A-		PIN	IR -	IR +

Electronic pin Specification (IRIS & ICR)