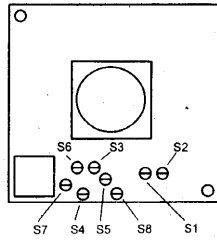


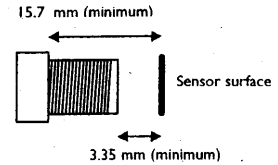
## VC(M)4B colour module

**Warning:** Only attach the camera by using the two corner holes of the PWB. Mechanical load directly to the lens must be avoided (unless used for focussing) to prevent damage to the solder joints and so to the camera.



### Lens dimensions

Other lenses can be used with this module. Thread must be M12x0.5 Minimal dimensions (including tolerances) as indicated in picture. Backfocus distance > 3.35 mm. Lensing to sensor > 15.7 mm



### Back Light Compensation (S1)

Solder switch in: BLC on  
Solder switch out: BLC off

### White Balance (S3, S2)

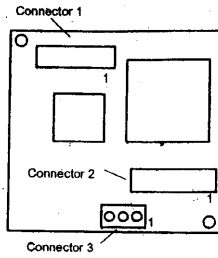
S3	S2	WB mode
Out	Out	Auto
Out	In	3000K
In	Out	2500K
In	In	8000K

### Shutter speed control (S4, S5, S6, S7)

S4	S5	S6	S7	Speed, NTSC	Speed, PAL
Out	Out	Out	Out	1/60 sec	1/50 sec
Out	Out	Out	In	1/100 sec	1/120 sec
Out	Out	In	Out	1/250 sec	1/250 sec
Out	Out	In	In	1/500 sec	1/500 sec
Out	In	Out	Out	1/1000 sec	1/1000 sec
Out	In	Out	In	1/2000 sec	1/2000 sec
Out	In	In	Out	1/5000 sec	1/5000 sec
Out	In	In	In	1/10000 sec	1/10000 sec
In	Out	Out	Out	1/20000 sec	1/20000 sec
In	Out	Out	In	1/50000 sec	1/50000 sec
In	Out	In	Out	1/100000 sec	1/100000 sec
In	Out	In	In	1/30 sec	1/25 sec
In	In	Out	Out	1/15 sec	1/12.5 sec
In	In	Out	In	1/7.5 sec	1/6.25 sec
In	In	In	Out	1/60 ~ 1/30000	1/50 ~ 1/30000
In	In	In	In	1/60 ~ 1/100000	1/50 ~ 1/100000

### Mirror (S8)

Solder switch in: mirror  
Solder switch out: normal picture



Feature connector (connector 1)

Pin	Function
1	+16 Volt
2	GND
3	GND
4	Reset -not
5	GND
6	+5 Volt
7	Test
8	EEPSL
9	EEPFL
10	EEPCK
11	EEPDA
12	GND
13	GND
14	CVBS
15	-9 Volt
16	HD
17	VD
18	Gnd

**Note:**

All digital in/out pulses 0 to +3,3V

Connector 3

Pin	Function
1	DC input, 9 to 13 Volt
2	GND
3	CVBS output

Digital connector D2 format(connector 2)

Pin	Function
1	GND
2	EXCK I=13.5MHz
3	DCK2
4	DCK1
5	GND
6	Y0
7	Y1
8	Y2
9	Y3
10	Y4
11	Y5
12	Y6
13	Y7
14	GND
15	UV7
16	UV6
17	UV5
18	UV4
19	UV3
20	UV2
21	UV1
22	UV0
23	GND
24	GND

