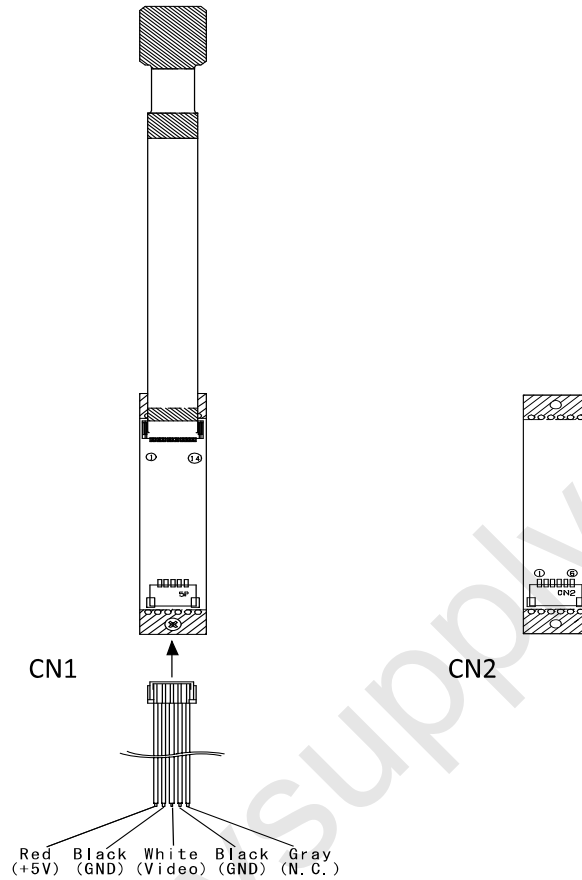


I. Electronic Specifications / Mechanical Specifications / Environmental Conditions

Product		STC-DN64	STC-DP64
Electronic Specifications	Imager	¼" Interline NTSC CCD: ICX228AK	¼" Interline PAL CCD: ICX229AK
	Effective Picture Elements	768 (H) x 494 (V)	752 (H) x 582 (V)
	Cell Size	4.75 (H) x 5.58 (V) μm	4.85 (H) x 4.65 (V) μm
	Scanning Systems	2:1 Interlace	
	Vertical Frequency (Frame Rate)	59.94 Hz	50.00 Hz
	Horizontal Frequency	15.734 kHz	15.625 kHz
	Resolution	480 TV Lines	
	S/N Ratio	More than 48dB (AGC Off)	
	Minimum Scene Illumination	0.5 lx at F1.2	
	Sync. System	Internal	
	Video Output	VBS 1.0V p-p, 75 Ohm	
	Electronic Iris	1/60 to 1/100,000 second	1/50 to 1/100,000 second
	Gamma	Fixed at 0.45	
	White Balance	Auto	
	Gain	AGC On	
	DSP Communication	I2C (Requires USB Jig-Box: JIG-COLORUSB)	
	Power Supply	Input Voltage	DC 4.8V to 11V
Consumption		130 mA at DC 5.0V	
Mechanical Specifications	Dimensions	10(W) x 126.45 (H) x 3.65 (D) mm	
	Lens Mount	None	
	Weight	Approximately 3g	
Environmental Conditions	Temperature and Humidity	Operational	Temperature: -10 to 45°C; Relative Humidity: 0 to 85% (No condensation)
		Storage	Temperature: -30 to 65°C; Relative Humidity: 0 to 90% (No condensation)
	RoHS	RoHS Compliant	

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II. Connector Pin Assignment



A. The connector for power and video (CN1)

The connector type: SM05B (JST)

Pin Assignment

No.	Signal Types	Wire Color
1	Power IN	Red
2	GND	Black
3	Video Out	White
4	GND	Black
5	N.C.	Gray

B. The connector for communication (CN2)

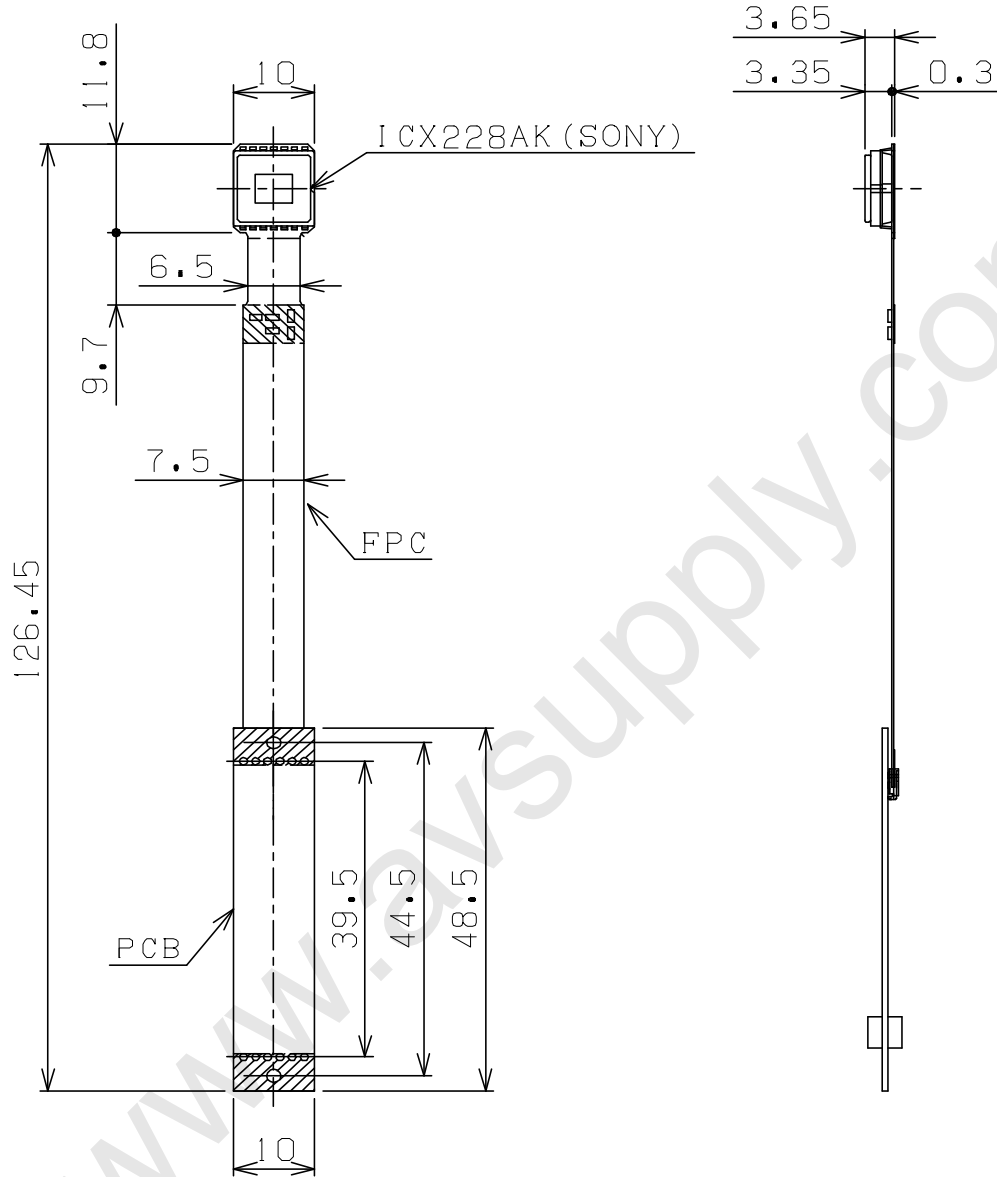
The connector type: SM05B (JST)

Pin Assignment

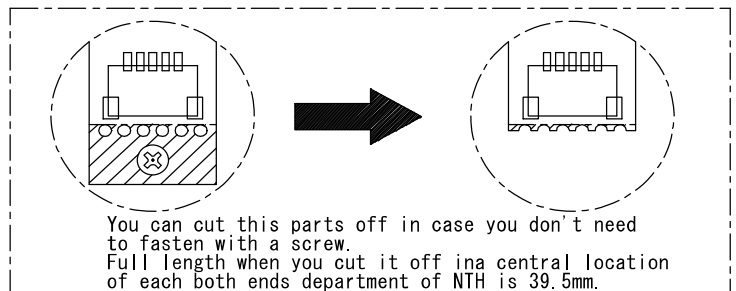
No.	Signal Types	Wire Color
1	EEPSL	White
2	EEPFL	White
3	Write Protect	White
4	GND	White
5	Data	White
6	CLK	White

Note: Required communication JIG-Box: JIG-COLOR USB and the SOF-N63DSP0.11 software or the newest software

III. Dimensions



Unit: mm



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Rev.	Date (D/M/Y)	Changes	Notes
1.0	19/10/2008	Created document	

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