source = "http://soundblaster.co.kr:80/modell/ct2230s.htm"

제 품 명
Sound Blaster 16 Sony CSP
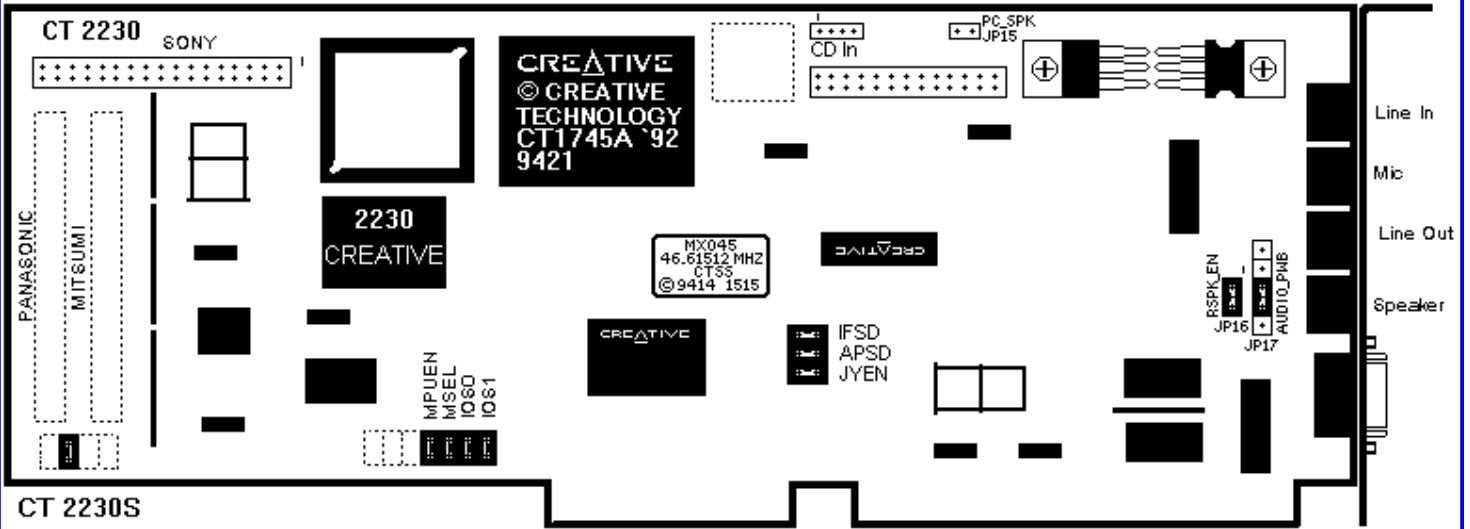
제 조 사	CREATIVE
MODEL No	CT2230S

사 양

General

- FM Synthesis: Yes
- Wave Synthesis: Not Applicable
- Built-In Stereo Power Amplifier: Yes
- Built-In Digital/Analog Mixer: Yes
- Plug and Play: No
- CD-ROM Interface: Sony

Hardware Settings
Default settings are shown in [brackets]

- Interrupt (IRQ): 2, [5], 7, 10
- 8-bit DMA Channel: 0, [1], 3
- 16-bit DMA Channel: [5], 6, 7
- Joystick I/O Address: 200 Hex

```
Joystick:  [Enabled]  Disabled
JYEN          ON         OFF
```

- Audio I/O Address: [220], 240, 260, 280 Hex

```
ADDRESS: [220] 240  260   280
IOS0      ON   OFF  ON    OFF
IOS1      ON   ON   OFF   OFF
```

- MPU-401 I/O Address: 300, [330] Hex

```
Port address:  300  [330]
MSEL           OFF   ON
```

- MPU-401 [Enabled] (MPUEN closed), Disabled (MPUEN open)
- FM Synthesizer I/O Address: 388 Hex
- Wave Synthesizer I/O Address: Not Applicable
- CSP Chip Installed (enabled on CT2230S, disabled on CT2239S)

```
CSP Chip:    Enabled  Disabled
IFSD, APSD    OFF       ON
```

Connectors

- Line-In: Yes
- Mic-In: Yes
- Line-Out: Yes
- Speaker-Out: Yes
- PC Speaker-In: Yes
- Game/Joystick Port: Yes
- CD-ROM Audio-In (SB Audio Socket): Yes
- CD-ROM Audio-In (MPC2 Socket): No
- CSP Chip Socket: Yes (CSP chip built-in in CT2230S)
- Wave Blaster Daughter Board Connector: Yes
- External CD-ROM: Not Applicable
- Modem Feature Connector: Not Applicable