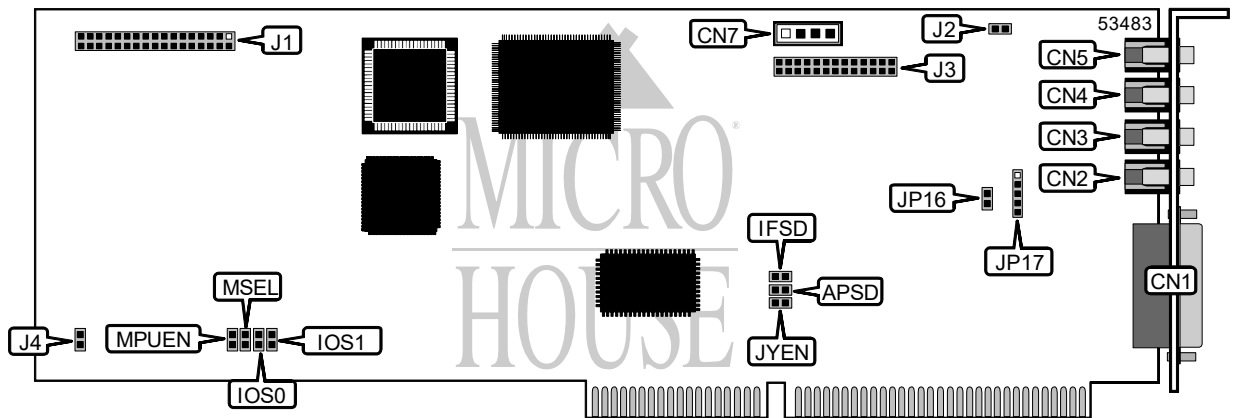# CREATIVE LABS, INC.
SOUNDBLASTER 16 SONY ASP (CT2230S),
SOUNDBLASTER 16 SONY (CT2239S)

Card Type — Sound card
Chip Set — Unidentified
Maximum Onboard Memory — None
I/O Options — Game/MIDI port, CD-ROM interface, speaker out, line out, line in, microphone in, CD-ROM audio in, PC speaker connector
Data Bus — 16-bit ISA

CONNECTIONS			
Function	Label	Function	Label
Game/MIDI port	CN1	Audio in - CD-ROM	CN7
Speaker out	CN2	CD-ROM interface - Sony	J1
Line out	CN3	PC speaker connector	J2
Microphone in	CN4	Unidentified	J3
Line in	CN5	Audio connector	JP17

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Joystick enabled	JYEN	Closed
Joystick disabled	JYEN	Open
í Speaker enabled	JP16	Closed
Speaker disabled	JP16	Open
í Factory default - do not alter	J4	Closed
í MPU-401 port enabled	MPUEN	Closed
MPU-401 port disabled	MPUEN	Open

AUDIO I/O ADDRESS SELECTION		
Address	IOS0	IOS1
í 220h	Closed	Closed
240h	Open	Closed
260h	Closed	Open
280h	Open	Open

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MPU-401 I/O ADDRESS SELECTION	
Address	MSEL
300h	Open
í 330h	Closed

CSP CHIP SELECTION		
	IFSD	APSD
í Disabled	Closed	Closed
Enabled	Open	Open
Note: The IFSD and APDS jumpers are enabled on the CT2230S and are disabled on the CT2239s		