

ACS-9093-01

AC97 Audio CODEC

FOR USE WITH: CPU-1433, CPU-145x, CPU-146x & CPU-147x

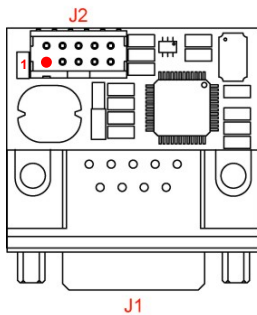
General Features

- RoHS Compliant

Kit Contents

- 1x ACS-9093 AC97 Audio CODEC adaptor
- 1x 7030000240L interface cable
- 1x 7030000300L Audio interface cable

AC97 Audio CODEC Layout



ACS-9093 AC97 Audio CODEC adaptor



7030000300L Audio interface cable

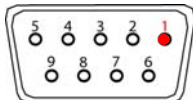


7030000240L interface cable

AC97 Audio CODEC Connector Pinouts

- J1: Audio I/O (Female DB9 Connector)
- J2: CPU Interface (Male Minitek Shrouded Header, 8pin, 2.0mm pitch)

J1 Pinout

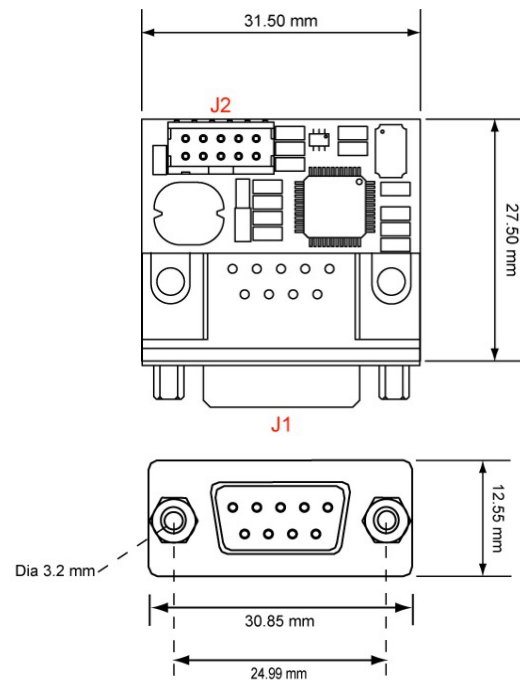


Pin	Signal	Pin	Signal
1	Line Out Left	6	Line Out Right
2	Ground	7	Microphone In
3	Vref Microphone	8	Ground
4	Line In Left	9	Line In Right
5	Ground		

J2 Pinout

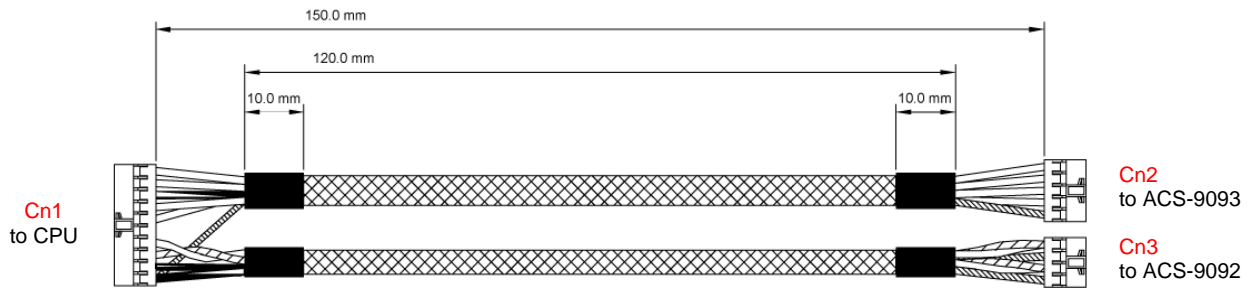
Pin	Signal	Pin	Signal
1	VDD	2	Ground
3	SData Out	4	Bit Clock
5	PC BEEP	6	Ground
7	Reset	8	Sync
9	SData In	10	AC97 Clock

AC97 Audio CODEC Mechanical Dimensions



All dimensions in millimetres

7030000240L Mechanical Dimensions



7030000240L Connector Pinouts

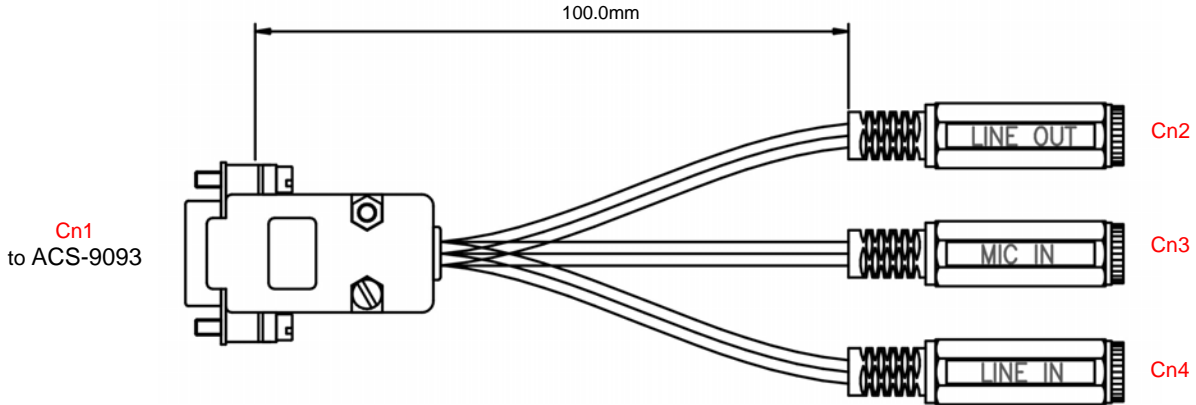
Connectors

Connector	Name	QTY Pins	Format	Pitch (mm)
Cn1	Female Minitek	20	10x2	2.00
Cn2	Female Minitek	10	5x2	2.00
Cn3	Female Minitek	8	4x2	2.00

Pinouts

Cn1 Pin #	Cn2 / Cn3 Pin #	Usage	Colour	Notes
1	Cn2 5	Speaker	Grey	
2	Not Used			
3	Cn2 3	SDOUT	Grey	
4	Not Used			
5	Cn2 2	Ground	Black	
6	Cn2 6	Ground	Black	
7	Cn2 9	SDIN0	Grey	
8	Cn2 4	Bit Clock	Grey	
9	Cn2 7	Reset	Grey	
10	Cn2 8	Sync	Grey	
11	Not Used			
12	Not Used			
13	Cn3 4	- Data	White	Twisted with Cn1 – Pin 15
14	Cn3 8	- Data	White	Twisted with Cn1 – Pin 16
15	Cn3 3	+ Data	Green	Twisted with Cn1 – Pin 13
16	Cn3 7	+ Data	Green	Twisted with Cn1 – Pin 14
17	Cn3 2	Ground	Black	
18	Cn3 1 & 5	VDD	Red	Double Wire
19	Cn3 6	Ground	Black	
20	Cn2 1	VDD	Red	

7030000300L Mechanical Dimensions



7030000300L Connector Pinouts

Connectors

Connector #	Type
Cn1	Male 9pin D-Sub
Cn2	Female 3.5mm Stereo Jack Socket
Cn3	Female 3.5mm Stereo Jack Socket
Cn4	Female 3.5mm Stereo Jack Socket

Pinout

Cn1 Pin	Connector	Pin	Usage	Colour
1	Cn2	Left	Line Out Left	White
6	Cn2	Right	Line Out Right	Red
2	Cn2	Shield	Ground	Cable Shield
7	Cn3	Left	Microphone In	White
3	Cn3	Right	Microphone Vref	Red
8	Cn3	Shield	Ground	Cable Shield
4	Cn4	Left	Line In Left	White
9	Cn4	Right	Line In Right	Red
5	Cn4	Shield	Ground	Cable Shield