CBL-1233-00

Cable-Set for the CPU-1233
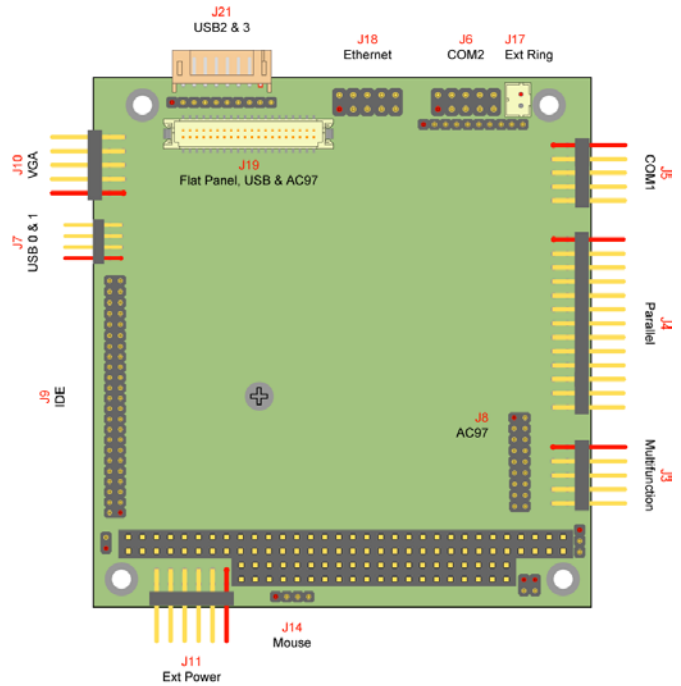
CBL-1233-00 Cable Set

Cable Set Overview

- The CBL-1233-00 Cable set is intended to enable customers to start rapidly developing solutions using the CPU-1233 range of modules.
- All the Cables and adaptors are fully RoHS compliant.
- Users should refer to the Module documentation, available from the Eurotech Website in the DownLoad Area, before attempting to use the Module or Cable set.
- Customers should note that all images contained within this document are only intended as a guide, actual cables may vary, but will always meet or exceed the specifications as shown.

Cable Set Contents

- 1x 7020000011L: Auxiliary power input
- 1x 7000000045L: IDE
- 1x 7000000091L: Multifunction Interconnection Cable
- 1x 7030000054L: Mouse Interconnection Cable
- 1x 7000000095L: VGA Output
- 1x 7030000070L: Flat Panel, USB & AC97
- 2x 7000000030L: COM Port
- 1x 7000000031L: Parallel Port
- 1x ACS-9079-00: Multifunction Adaptor

CPU-1233 Connector Locations

Related Parts

ACS-9092-00: 2 Duel-Port USB type "A" adapters for J7 & J21
ACS-9093-00: AC97 Audio CODEC for J8
ACS-9095-05: RJ45 Ethernet 10/100 adapter for J21

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ACS-9079-00: Multifunction Adaptor

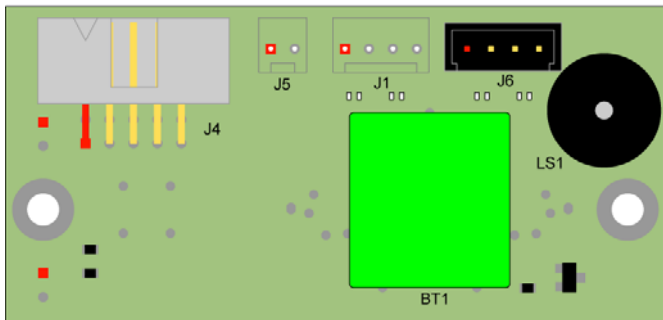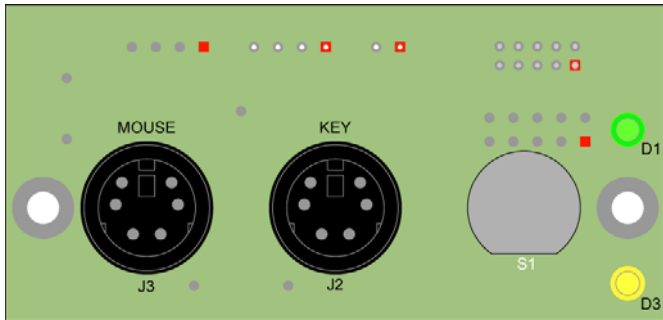### Connector Usage

J1: Not mounted as standard

J2: Keyboard
- Standard PS2 style keyboard connector

J3: Mouse
- Standard PS2 style Mouse connector

J4: Main Interface to CPU module
- Male Shrouded IDC Header
- 10pin (5x2)
- 2.54mm pitch
- Use 7000000091L to connect to CPU

Pin #	Use	Pin #	Use
1	Speaker	2	+5V
3	Reset	4	Not Connected
5	Keyboard Data	6	Keyboard Clock
7	Ground	8	+5V
9	VBAT	10	VPP

J5: Not mounted as standard

J6: Mouse interface
- Male Shrouded IDC Header
- 4pin (4x1)
- 2.54mm pitch
- Use 7030000054L to connect to CPU

Pin #	Use	Pin #	Use
1	Vcc	2	Mouse Clock
3	Ground	4	Mouse Data

Connector Layout

Other Components

BT1: Backup Battery
- Ni-MH
- 3.6V
- 60mAh

LS1: Miniature Speaker

S1: Reset Push-button

D1: Green LED
- Power present

D3: Yellow LED
- Activity

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7000000091L: Multifunction Interface

Connector Pinout

Pin #	Use	Pin #	Use
1	Speaker Out	2	+5 Volts
3	Reset Pushbutton	4	Watchdog
5	Keyboard Data	6	Keyboard Clock
7	Ground	8	+5 Volts
9	Battery	10	Not Connected

Connector Details

Name	Usage	Type
Cn1	To CPU-1233 ▪ J3	Female 10-Pin (5x2), 2.54mm pitch IDC Connector
Cn2	To ACS-9079-00 ▪ J4	Female 10-Pin (5x2), 2.54mm pitch IDC Connector

7030000054L: Mouse Interface

Connector Pinout

Cn1 Pin #	Cn2 Pin #	Use
1	1	+5 Volts
2	2	Mouse Clock
3	3	Ground
4	4	Mouse Data

Connector Details

Name	Usage	Type
Cn1	To CPU-1233 ▪ J14	Female 4-Pin (4x1), 2.00mm pitch IDC Connector
Cn2	To ACS-9079-00 ▪ J6	Female 4-pin (4x1), 2.54mm pitch Sil AMP MODU II

7020000011L: Auxiliary Power Input

Connector Pinout

Pin #	Colour	Use	Pin #	Colour	Use
1	Black	Ground	2	Red	+5 Volts
3	--	No Cable	4	Yellow	+12 Volts
5	White	-5 Volts	6	Blue	-12 Volts
7	Black	Ground	8	Red	+5 Volts
9	Brown	Not Connected	10	Pink	Power Button
11	Purple	+5 VSB	12	Green	ATX On

Connector Details

Name	Usage	Type
Cn1	To CPU-1233 ▪ J11	Female 12-Pin (6x2), 2.54mm pitch IDC Connector

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7000000045L: 2x IDE

Connector Details

Name	Usage	Type
Cn1	To CPU-1233 ▪ J9	Female 44-Pin (22x2), 2.00mm pitch IDC Connector
Cn2	To IDE Device #1	Female 40-Pin (20x2), 2.54mm pitch IDC Connector
Cn3	To IDE Device #2	Female 40-Pin (20x2), 2.54mm pitch IDC Connector

Connector Pinout

Cn1 Pin #	Cn2/3 Pin #	Usage	Cn1 Pin #	Cn2/3 Pin #	Usage	Cn1 Pin #	Cn2/3 Pin #	Usage	Cn1 Pin #	Cn2/3 Pin #	Usage
1	1	Reset #	2	2	Ground	23	23	I/O Write #	24	24	Ground
3	3	Data 7	4	4	Data 8	25	25	I/O Read #	26	26	Ground
5	5	Data 6	6	6	Data 9	27	27	I/O Ready #	28	28	SPSYNC/CSEL
7	7	Data 5	8	8	Data 10	29	29	DMA Ack. #	30	30	Ground
9	9	Data 4	10	10	Data 11	31	31	IDE IRQ Channel 0	32	32	Not Connected
11	11	Data 3	12	12	Data 12	33	33	Address Bit 1	34	34	Cable ID
13	13	Data 2	14	14	Data 13	35	35	Address Bit 0	36	36	Address Bit 2
15	15	Data 1	16	16	Data 14	37	37	Chip Select 0 #	38	38	Chip Select 1 #
17	17	Data 0	18	18	Data 15	39	39	DASP# / LED	40	40	Ground
19	19	Ground	20	20	Key Pin	41	--	Not Connected	42	--	Not Connected
21	21	DMA Request #	22	22	Ground	43	--	Not Connected	43	--	Not Connected

7030000070L: Flat Panel

Connector Details

Name	Usage	Type
Cn1	To CPU-1233 ▪ J19	HiRose Part Number DF13-40DS-1.25C Female 40-Pin (20x2), 1.25mm pitch
Cable	Length 20 cm	AWG20

7000000095L: VGA Output

Connector Pinout

Cn1 Pin #	Cn2 Pin #	Use	Cn1 Pin #	Cn2 Pin #	Use
1	14	Vertical Sync	2	13	Horizontal Sync
3	12	SDA	4	1	Red
5	15	SCL	6	2	Green
7	--	Not Connected	8	3	Blue
9	6, 7 & 8	Ground	10	5 & 10	Ground

Connector Details

Name	Usage	Type
Cn1	To CPU-1233 ▪ J10	Female 10-Pin (5x2), 2.54mm pitch IDC Connector
Cn2	To VGA Monitor	Female 15 pin D-Sub

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7000000030L: COM Port

Connector Pinout

Cn1 Pin #	Cn2 Pin #	Usage
1	1	Data Carrier Detect
3	2	Receive Data
5	3	Transmit Data
7	4	Data Terminal Ready
9	5	Ground

Cn1 Pin #	Cn2 Pin #	Usage
2	6	Data Set Ready
4	7	Request To Send
6	8	Clear To Send
8	9	Ring Indicator
10	-	Not Connected

Connector Details

Name	Usage	Type
Cn1	To CPU-1233 ▪ J5: COM1 Or ▪ J6: COM2	Female 10-Pin (5x2), 2.54mm pitch IDC Connector
Cn2	COM Port	Male 9-Pin D-Sub

7000000031L: Parallel Port

Connector Pinout

Cn1 Pin #	Cn2 Pin #	Usage
1	1	-Strobe#
3	2	+Data Bit 0
5	3	+Data Bit 1
7	4	+Data Bit 2
9	5	+Data Bit 3
11	6	+Data Bit 4
13	7	+Data Bit 5
15	8	+Data Bit 6
17	9	+Data Bit 7
19	10	-Acknowledge
21	11	+Busy
23	12	+Paper End
25	13	+Select

Cn1 Pin #	Cn2 Pin #	Usage
2	14	-Auto Feed
4	15	-Error / Fault
6	16	-Printer Initiate
8	17	-Select
10	18	Ground
12	19	Ground
14	20	Ground
16	21	Ground
18	22	Ground
20	23	Ground
22	24	Ground
24	25	Ground
26	--	Not Connected

Connector Details

Name	Usage	Type
Cn1	To CPU-1212 ▪ J4	Female 26-Pin (13x2), 2.54mm pitch IDC Connector
Cn2	Parallel Port	Female 25-Pin D-Sub

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