USB ADC CABLE ASSEMBLIES FOR CONNECTION TO BLOOD PRESSURE MONITORS

NOTE: The analogue invasive blood pressure signal from the patient monitor must be the industry standard 1Volt/100mmHg and 0V=0mmHg to be compatible with LiDCO Monitors. Patient monitors that scale differently or have an offset are not compatible with LiDCO Monitors. In this situation the HM 38-01 LiDCO Blood Pressure Module or the HM 38-02 LiDCO CNAP Module might provide a solution.

Incompatible monitors are shown in italics

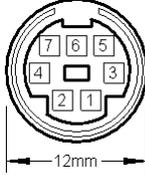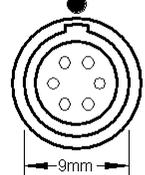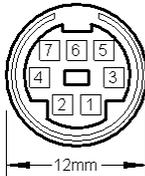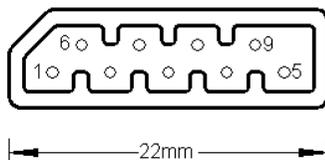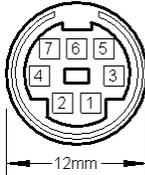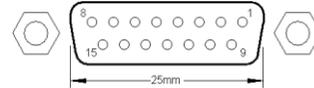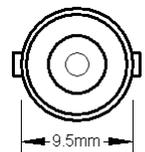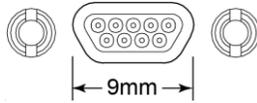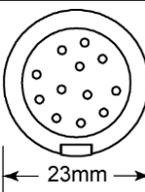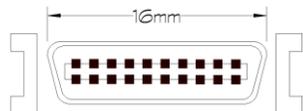| B.P. Monitor Manufacturer	Model No.	Connector Type on Cable Assembly	Drawing of the Socket on the Patient Monitor	LiDCO Item Number & UDI/GTIN	LiDCO Description	Comments	Stock Item
Dräger (formerly Siemens)	Infinity Delta, Infinity Delta XL Infinity Kappa XLT	14-way MDR Plug, X10	⊽ —12.6mm—	Li11068 05060110522286	Cable Assembly, USB ADC to Dräger	Analogue output must be configured to ART (not P1): click Pressure parameter box on display (only displays if a pressure transducer is connected), open Pressure control menu, select ART.	Y
Dräger	Infinity Acute Care System – Infinity M540 (Analog/Sync Mcable MS20662 required)	14-way MDR Plug, X10	⊽ —12.6mm—	Li11068 05060110522286	Cable Assembly, USB ADC to Dräger	The Li11068 must connect to the M540 through an Analog/Sync Mcable MS20662. This MS20662 can either plug directly into the Temp/Aux port on the M540, or through a MainStream & Analog/Sync cable MS22259 into the CO_2 port on the M540. Analogue output must be configured to ART (not P1): click Pressure parameter box on display (only displays if a pressure transducer is connected)(it is easier to do this on the large C500 or C700 display rather than on the small M540), open Pressure control menu, select ART.	Y
Dräger	Zeus	14-way MDR Plug, X10	⊽ —12.6mm—	Li11068 05060110522286	Cable Assembly, USB ADC to Dräger	Removing one of the side panels from this anaesthesia machine will reveal a Dräger Delta XL patient monitor, which has the X10 analogue output socket. Analogue output must be configured to ART (not P1): click Pressure parameter box on display (only displays if a pressure transducer is connected), open Pressure control menu, select ART.	Y
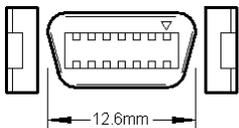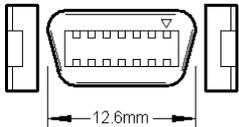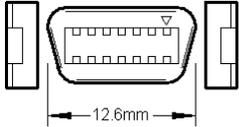
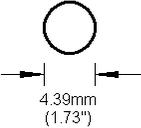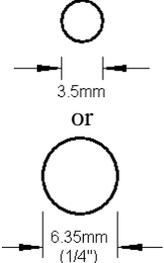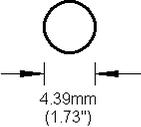| B.P. Monitor Manufacturer	Model No.	Connector Type on Cable Assembly	Drawing of the Socket on the Patient Monitor	LiDCO Item Number & UDI/GTIN	LiDCO Description	Comments	Stock Item
Fukuda Denshi	DS7000 with HU71 module	3.5mm Stereo Jack Plug	3.5mm	Li11063 05060110522231	Cable Assembly, USB ADC to Philips #C01 BP Module		Y
Fukuda Denshi	DS7100 with IBP option DS7200 DS7300	¼" Jack Plug	6.35mm (1/4")	Li11063 05060110522231	Cable Assembly, USB ADC to Philips #C01 BP Module	BP1 must be set to ART (default) not CVP. There are 2 transducer sockets on the front of the monitor and the left hand one must be used.	Y
Fukuda Denshi	DS8500	6-way special Plug	8.5mm	Li11139 05060110522545	Cable Assembly, USB ADC to Dukuda Denshi DS8500		N
NOTE: Datex / GE patient monitors can be configured in several different ways. From the model number alone one can not foretell with certainty which type of connector will be present for the analogue IBP signal. The only certain method is to look for the Defib/Sync connector and match it to a drawing below.							
GE Datex	AS/3 & 5 Anesthesia Monitors CS/3 & 5 Critical Care Monitors, Cardiocap/5	4-way LEMO Plug	7mm	Li11065 05060110522255	Cable Assembly, USB ADC to Datex S/5 with B-UPI4	Some B-UPI4NET boards are fitted with a 4-way LEMO socket and others are fitted with a 7-way MiniDIN socket marked X7 for the Synchronisation Connector. Model numbers do not identify which type of socket is fitted, the only way is to look. If it is a 7-way MiniDIN an Li11066 is required. Pressure P1 must be zeroed before connecting the cable.	Y
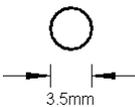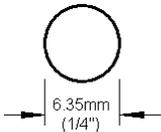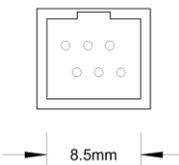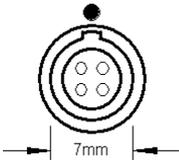
B.P. Monitor Manufacturer	Model No.	Connector Type on Cable Assembly	Drawing of the Socket on the Patient Monitor	LiDCO Item Number & UDI/GTIN	LiDCO Description	Comments	Stock Item
GE Datex	S/5 fitted with a B-UPI4NET board which has a 7-way MiniDIN socket.	7-way MiniDINPlug		Li11066 05060110522262	Cable Assembly, USB ADC to GE Marquette TRAM 451	Some B-UPI4NET boards are fitted with a 4-way LEMO socket and others are fitted with a 7-way MiniDIN socket marked X7 for the Synchronisation Connector. Model numbers do not identify which type of socket is fitted, the only way is to look. If it is a 4-way LEMO, an Li11065 is required. Pressure P1 must be zeroed before connecting the cable. This Li11066 is also suitable for the Marquette TRAM 451 and CARESCAPE B650 & B850 without a PDM, see below.	Y
GE Marquette	6000 Series 7000 Series with TRAM 250 or TRAM 450 units	6-way LEMO Plug		Li11140 05060110522552	Cable Assembly, USB ADC to GE 6/7000		Y
GE Marquette	CARESCAPE B450, B650 and B850 **without** a PDM (Patient Data Module) attached.	7-way MiniDINPlug		Li11066 05060110522262	Cable Assembly, USB ADC to GE Marquette TRAM 451	If a PDM is attached to a CARESCAPE B450, B650 or B850 monitor the Defib/Sync connector on the frame is disabled. In this situation an Li11064 Cable Assembly, PulseCO to GE Marquette PDM Port is required. This Li11066 is also suitable for the Marquette TRAM 451and Datex S/5 fitted with a B-UPI4NET board.	Y
GE Marquette	Monitors with PDM Port, e.g. Solar 8000, CARESCAPE B450, CARESCAPE B650, CARESCAPE B850	9-way PDM Port (special) Plug		Li11064 05060110522248	Cable Assembly, USB ADC to GE PDM Port	Note: When the PDM module is plugged into the CARESCAPE 450, 650 or 850 the Defib/Sync socket on the frame of the monitor becomes inactive.	Y

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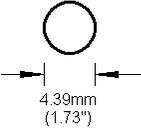
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B.P. Monitor Manufacturer	Model No.	Connector Type on Cable Assembly	Drawing of the Socket on the Patient Monitor	LiDCO Item Number & UDI/GTIN	LiDCO Description	Comments	Stock Item
GE Marquette	TRAM 451 Dash 3000 Dash 4000 Dash 5000	7-way Mini-DIN Plug, non-latching, polarising lug		Li11066 05060110522262	Cable Assembly, USB ADC to GE Marquette TRAM 451	This cable also suits the Datex S/5 fitted with a B-UPI4NET board, and CARESCAPE B450, B650 & B850 without a PDM.	Y
GE Marquette	Tram Rac 4A for Solar 8000	15-way D Plug		Li11188 05060110522897	Cable Assembly, USB ADC to GE TramRac 4A		Y
General Purpose	N.A.	BNC Plug		Li11070 05060110522309	Cable Assembly, USB ADC to BNC		Y
Mindray	In Europe the monitors are called BeneView T5 & T8 and in North America the same monitors are called DPM 6 and DPM 7. These models manufactured after Nov'09 and fitted with a Mirco-D connector are supported.	9-way Micro-D plug		Li11138 05060110522538	Cable Assembly, USB ADC to Mindray T5 to T9	The 9-way Micro-D socket on the rear of the T5 and T8 is disabled when the T1 (the MPM that has the integral screen) is docked in the chassis. In this situation use Li11136.	Y
Mindray	Beneview T1, either stand alone or docked in a T5 or T8 as an MPM	12-way Circular		Li11136 05060110522514	Cable Assembly, USB ADC to Mindray MPM	IBP1 must be arterial pressure.	Y
Mindray	iPM range of monitors. Also iMEC range of monitors that have invasive pressure monitoring fitted.	20-way MDR plug		Li11137 05060110522514	Cable Assembly, USB ADC to Mindray iPM		Y

B.P. Monitor Manufacturer	Model No.	Connector Type on Cable Assembly	Drawing of the Socket on the Patient Monitor	LiDCO Item Number & UDI/GTIN	LiDCO Description	Comments	Stock Item
Nihon Kohden	LifeScope VS BSM-3000 Series: ECG/BP OUT is only available on the following models if the QI-372P optional interface is installed at the factory: BSM-3532, BSM-3552, BSM-3562, BSM-3733, BSM-3753 and BSM-3763	5-way Special Plug	—11mm—	Li11067 05060110522279	Cable Assembly, USB ADC to Nihon Khoden 5-way ECG/BP OUT	Must have QI-372P interface installed. To output a blood pressure waveform from the ECG/BP OUT socket, you must connect the IBP cable to the MULTI 1 or Multi-parameter 1 socket. If the IBP Cable is connected to any other socket, the expected blood pressure waveform is not output from the ECG/BP OUT socket.	Y
Nihon Kohden	Lifescope BSM-5100A, BSM-5100K, BSM-5105K, BSM 5106A, etc. BSM-6000 series	5-way Special Plug	—11mm—	Li11067 05060110522279	Cable Assembly, USB ADC to Nihon Khoden 5-way ECG/BP OUT	To output a blood pressure waveform from the ECG/BP OUT socket, you must connect the IBP cable to the MULTI 1 or Multi-parameter 1 socket. If the IBP Cable is connected to any other socket, the expected blood pressure waveform is not output from the ECG/BP OUT socket.	Y
Nihon Kohden	Lifescope 9, Lifescope 14	¼" Stereo Jack Plug	6.35mm (1/4")	Li11063 05060110522231	Cable Assembly, USB ADC to Philips #C01 BP Module		Y
Philips (formerly Agilent, formerly Hewlett Packard)	IntelliVue MP40 and above, i.e. those with a rack to accept the M1006B with Option #C01 Pressure Module	3.5mm Stereo Jack Plug or ¼" Stereo Jack Plug	3.5mm or 6.35mm (1/4")	Li11063 05060110522231	Cable Assembly, USB ADC to Philips #C01 BP Module	The Philips monitor must be fitted with a M1006B Option #C01 Pressure Module with Analog Pressure Output. This module should work with all chassis systems, i.e. MP40 and above. This cable assembly is also suitable for Spacelabs 90601A & 90603A monitors.	Y
Siemens (see Draeger)	SC7000, SC8000, SC9000, SC9000XL Patient Monitors	14-way MDR Plug, X10	—12.6mm—	Li11068 05060110522286	Cable Assembly, USB ADC to Dräger	Analogue output must be configured to ART (not P1).	Y
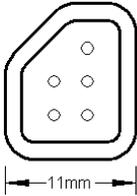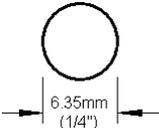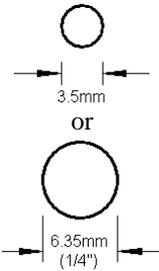
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B.P. Monitor Manufacturer	Model No.	Connector Type on Cable Assembly	Drawing of the Socket on the Patient Monitor	LiDCO Item Number & UDI/GTIN	LiDCO Description	Comments	Stock Item
Spacelabs	90470 Pressure & ECG Module 90402 Pressure Module 90305 Main Frame	Switchcraft TT253 .173" 3-pole Plug	4.39mm (1.73")	Li11069 05060110522293	Cable Assembly, USB ADC to Spacelabs	Obsolete command modules and monitors. The 90470 module has 2 High Level Output sockets (HLO1 & HLO2) situated in the top right hand corner of the front panel. The factory default settings for these outlets is HLO1 = ECG and HLO2 = P1 and these can be changed through jumper settings on the front of the CPU board.	Y
Spacelabs	90601A & 90603A Monitors	3.5mm Stereo Jack Plug or ¼" Stereo Jack Plug	3.5mm or 6.35mm (1/4")	Li11063 05060110522231	Cable Assembly, USB ADC to Philips #C01 BP Module	Obsolete monitors. This cable assembly is also suitable for Philips monitors.	Y
Spacelabs	Command Modules 90496 & 91496 These command modules interface with the SL2400 (91369), SL2600 (91370), SL2700 and SL2800 monitors and the previous range SL1030/SL1050, UV1500, UV1600, UV1700	Switchcraft TT253 .173" 3-pole Plug	4.39mm (1.73")	Li11069 05060110522293	Cable Assembly, USB ADC to Spacelabs	The Ultraview Command Modules that support invasive blood pressure are: 90496-B, -C, -J , -K, -L, -N, and -O (all but -A) 91496-A, -B, and -C (all but -I) These modules have 2 High Level Output sockets (HLO1 & HLO2) situated in the top right hand corner of the front panel. The factory default settings for these outlets is HLO1 = ECG and HLO2 = P1 and these can be changed through the Module Configuration Manager should there be a requirement to do so.	Y

B.P. Monitor Manufacturer	Model No.	Connector Type on Cable Assembly	Drawing of the Socket on the Patient Monitor	LiDCO Item Number & UDI/GTIN	LiDCO Description	Comments	Stock Item
Spacelabs	Xprezzon	Switchcraft TT253 .173" 3-pole Plug	4.39mm (1.73")	Li11069 05060110522293	Cable Assembly, USB ADC to Spacelabs	Li11069 must be plugged into the HLO1/2 port on the Spacelabs monitor, and the monitor must be configured thus: 1. Select ECG on main screen 2. Select 'setup' along the bottom bar menu 3. Select 'config' along the bottom bar menu 4. Select the hidden key. Press along the bottom bar until you hear a click, then press this same spot THREE times. 5. This will bring up a new bottom menu bar, select 'user settings' 6. Select ECG 7. Press 'next page' until you reach HLO parameters. Once you see it, press the down cursor to select. 8. This needs to be set on P1/P2, not on any of the other settings. The arterial pressure transducer must be connected to P1.	Y

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