

PAMS Technical Documentation

NSM-2 Series Transceivers

Service Tools

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Service Box JBU-6

The Service Box JBU-6 is used:

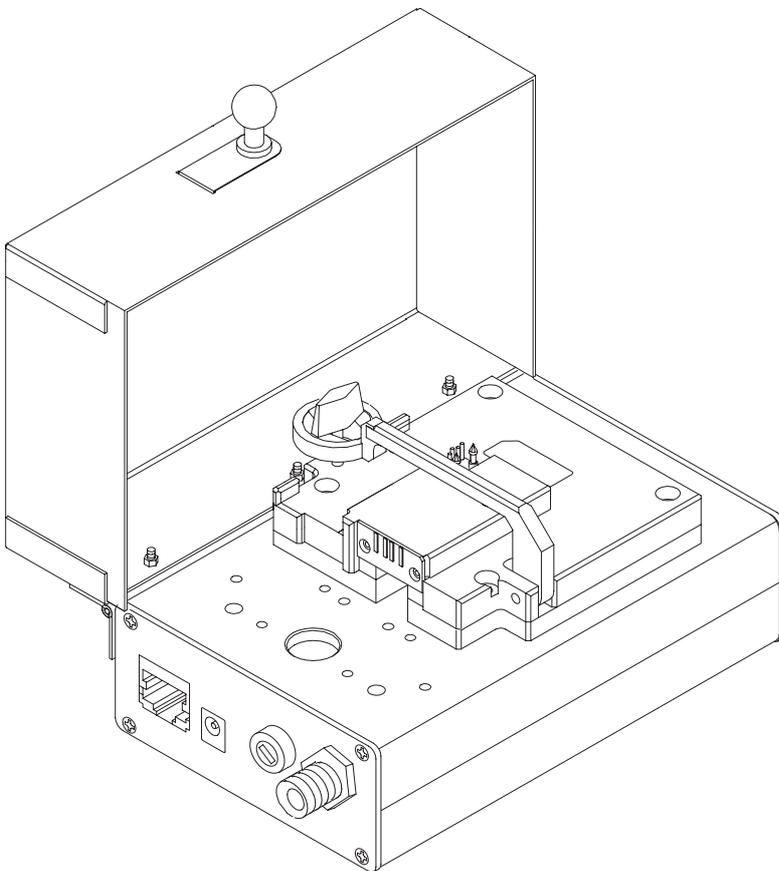
- to make connection between transceiver and FLA-5/7 for flashing
- to help functional tests
- to enable connection to test/measurement devices
- to generate accurate 4.1 and 8.4 voltage for Vbatt and Vin/Vchar lines
- to generate accurate 500mA current for charging calibration Vin line
- to generate 10 ms IBI-pulse to BTMP-line

NOTE: JBU-6 cover should be closed during measurements.

Product Code

Service Box JBU-6: 0770153

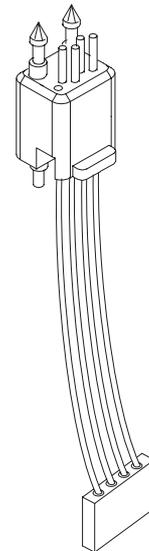
View of JBU-6



SCD-6:

Sales Package code: 0080329

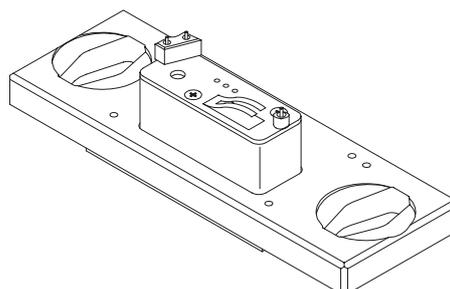
Product code: 9780263.



Pinset Cable SCD-6:
Spare part for JBU-6.

RF Adapter RA6 for Service Box JBU-6

RF Adapter RA6: 0770174



Test Jig MJS-9

The Test Jig MJS-9 is used for repair of system/RF module*. The zoom in picture contains two changeable over voltage protection components:

SM Fuse F2.0 A 32V 1206 F 001 T 5119002 (larger of the two)

VWM 5.6V VC15.5 R 008 T 1825019

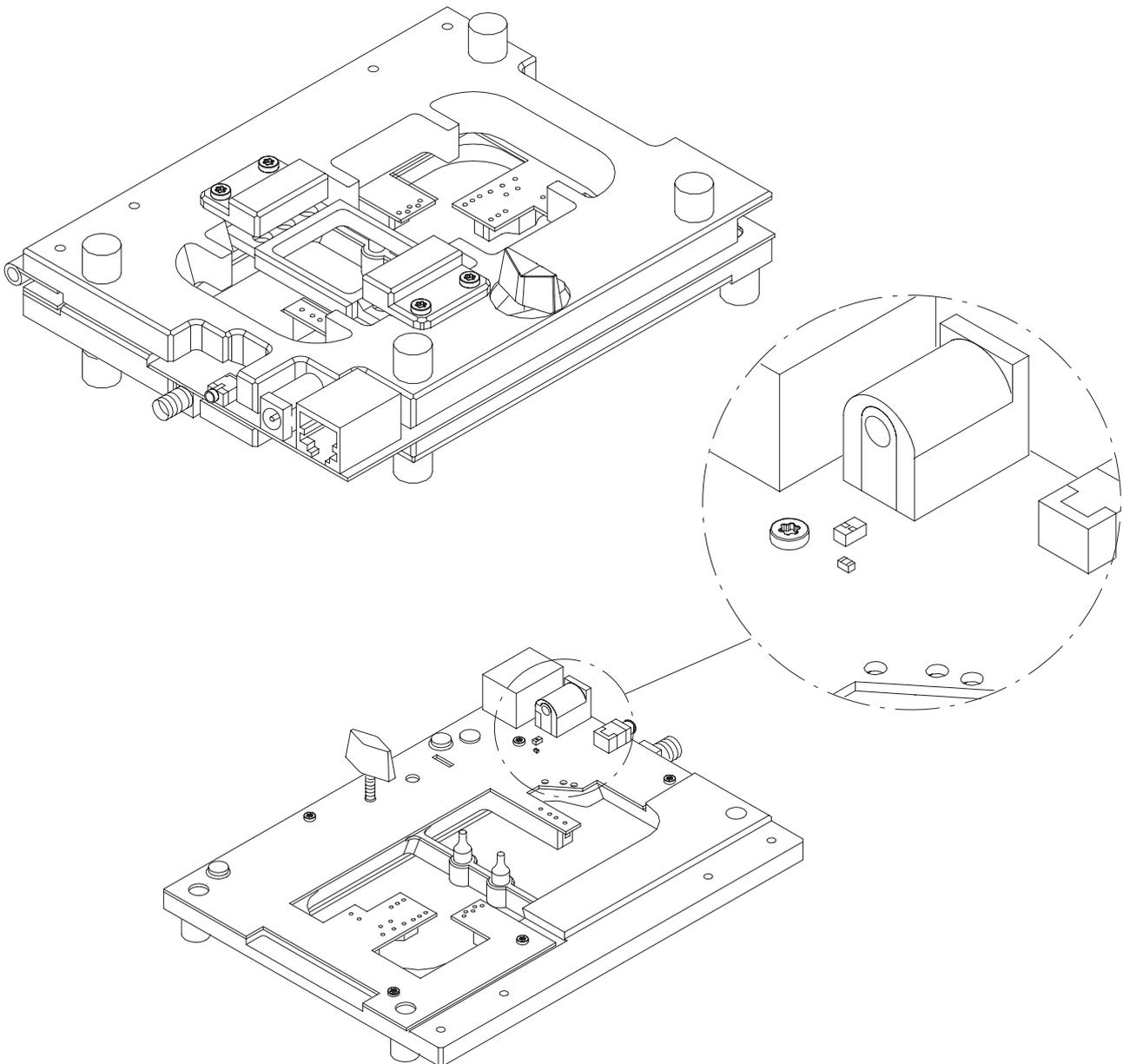
See next page for additional info.

Product Code

Module Jig MJS-9:

0770154

View of MJS-9



*Note: The nominal supply voltage for MJS-9 is +8.0 V.
The supply voltage must not exceed +15.0 V.
(MJS-9 has overvoltage protection).

Soldering Jig MJS-21

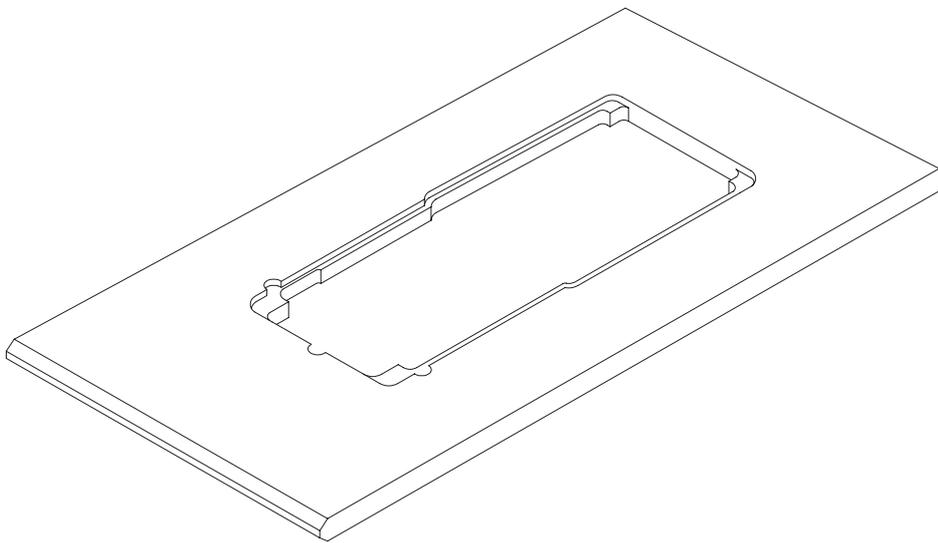
The Soldering Jig MJS-21 is used for soldering (in soldering machines) and repairing of system module.

Product Code

Module Jig MJS-21:

0770225

View of MJS-21



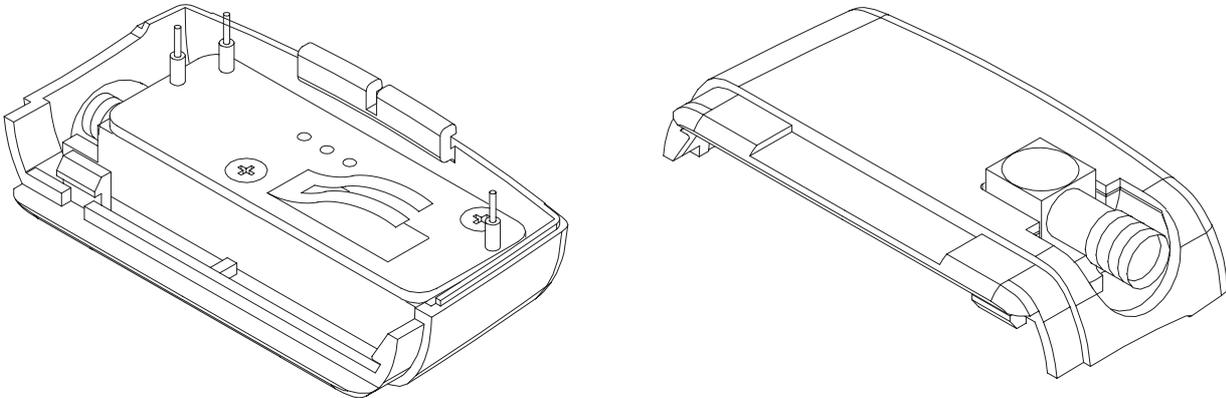
RF Test Adapter AAT-8 (Service Antenna)

The Service Antenna AAT-8 is used in place of the phone's normal antenna during RF measurements. Use RF Cable XRF-1 (0730085).

Product Code

Service Antenna AAT-8: 0770173

View of AAT-8



Flash Battery BBF-1

The Flash Battery BBF-1 is used in place of the phone's normal battery during flashing.

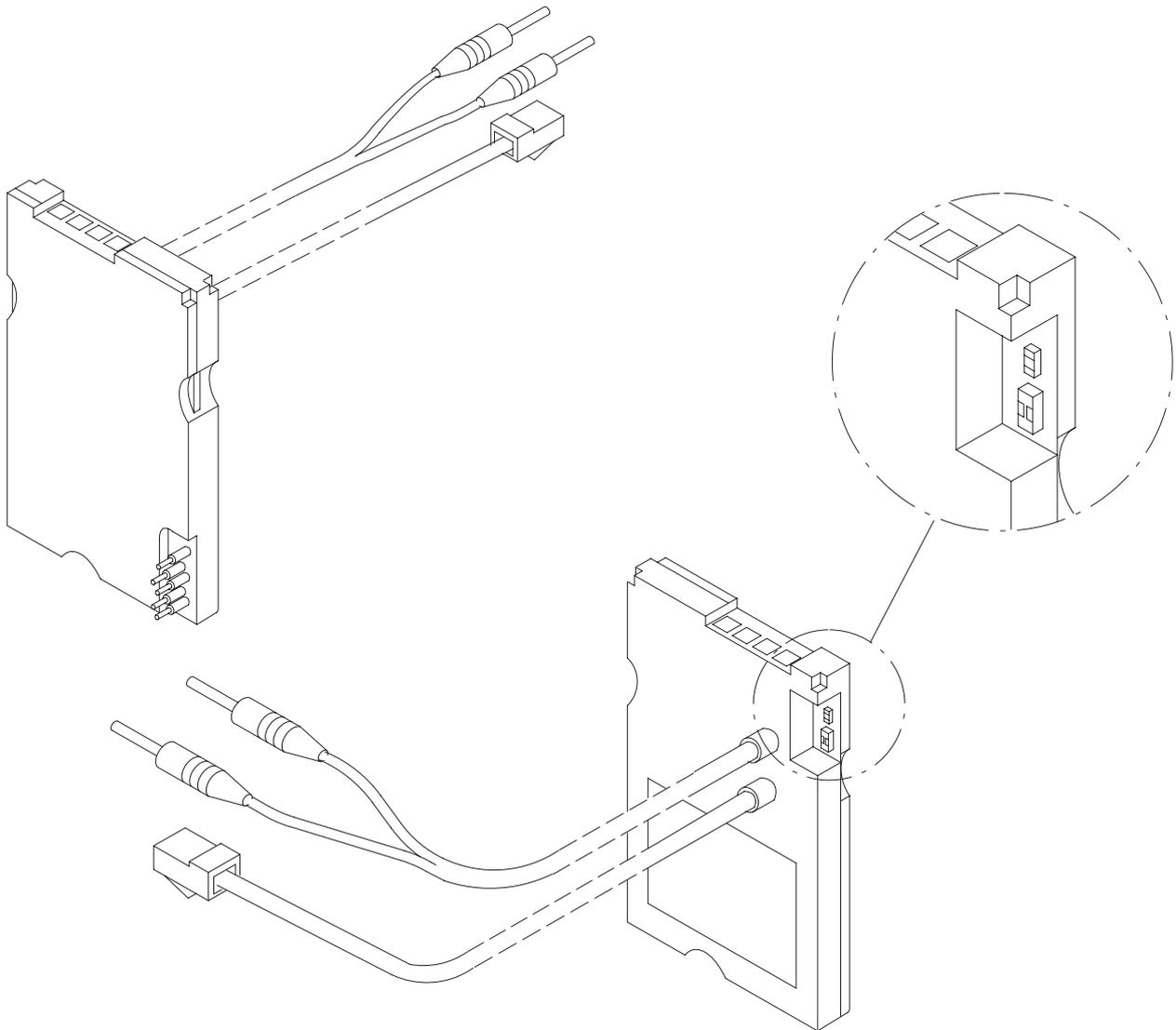
The zoom in picture contains two changeable over voltage protection components:

SM Fuse F2.0 A 32V 1206 F 001 T	5119002 (larger of the two)
VWM 5.6V VC15.5 R 008 T	1825019

Product Code

Flash Battery BBF-1:	0775206
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View of BBF-1



*Note: The nominal supply voltage for BBF-1 is +8.0 V.
The supply voltage must not exceed +15.0 V.
(BBF-1 has overvoltage protection).

Flash Loading Adapter FLA-10

The Flash Loading Adapter FLA-10 is used in place of the phone's normal battery during service, to supply a controlled operating voltage.

Sales package code

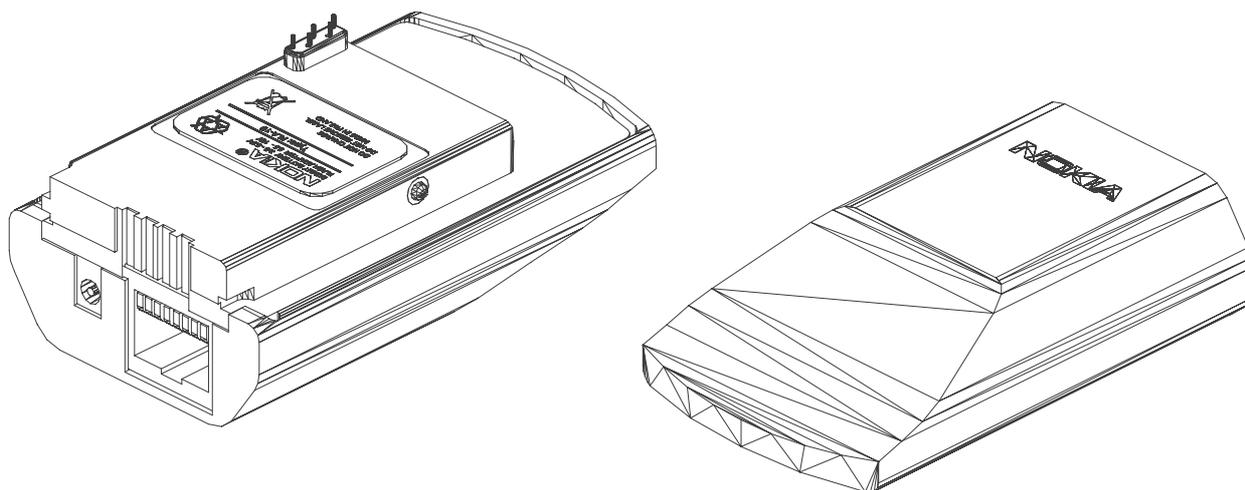
Flash Loading Adapter FLA-10: 0081346

Sales package contains:

Flash Loading Adapter FLA-10 (bulk) 0770229

DC Cable FLC-2 0730174

View of FLA-10



Battery Connector Extractor Tool SRT-3

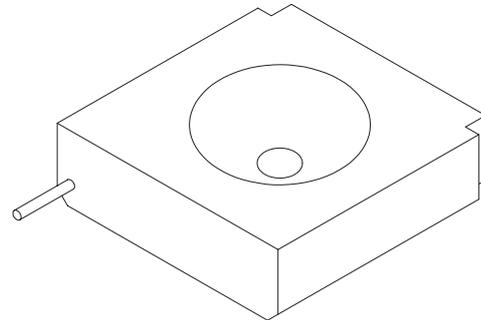
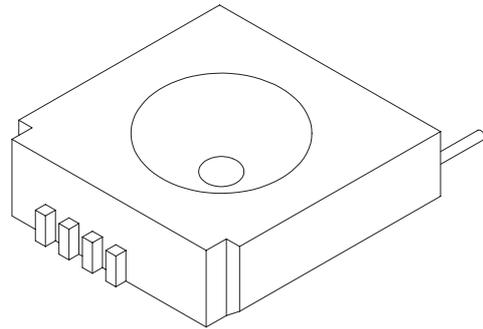
The Battery Connector Extractor Tool is used to remove the antenna or battery connector from the frame.

Product Code

Battery Connector Extractor Tool SRT-3:

0770226

View of SRT-3



Flash Loading Adapter FLA-7 (Sales Pack)

The Flash Loading Adapter FLA-7 is used with the Service Battery BBD-3 and Service Cable SCH-5. Power is supplied to FLA-7 from the Flash Security Box TDF-4 via the DC cable PCC-1, (The PCC-1 cable can be replaced with a Travel Charger ACH-6), and is connected to the Flash Prommer FPS-4S with the cable AXS-5.

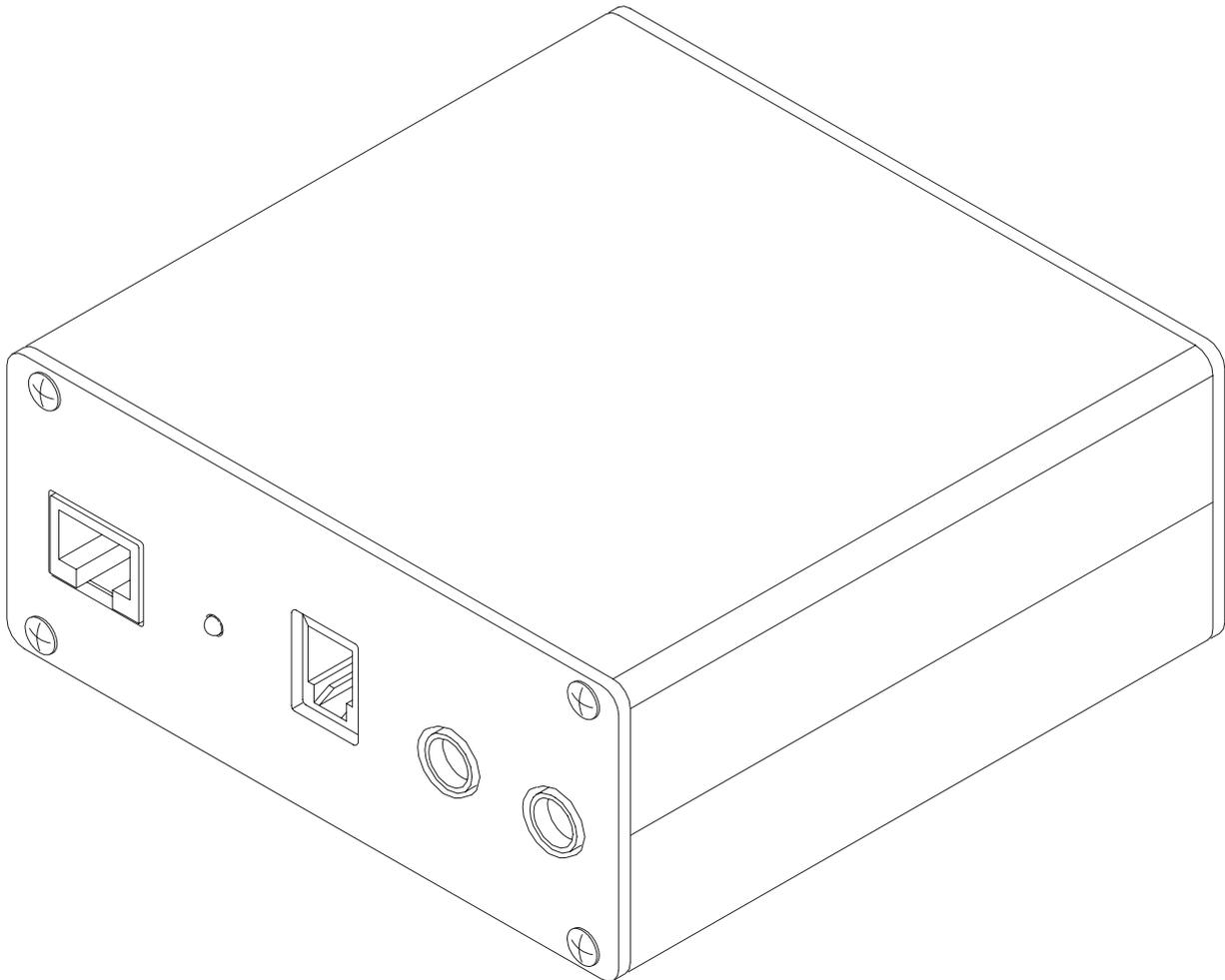
The sales pack includes:

- | | |
|-------------------------------|---------|
| - Flash Loading Adapter FLA-7 | 0770119 |
| - Service Cable XCM-5 | 0730142 |
| - Power Cable SCF-7 | 0730141 |
| - Service Cable assy AXS-5 | 0730091 |

Sales package code

Flash Loading Adapter FLA-7: 0080326

View of FLA-7



Flash Prommer FPS-4S (Sales Pack)

The Flash Prommer FPS-4S is used to update the main software of the phone. Updating is done by first loading the new MCU software from the PC to the flash prommer, and then loading the new SW from the prommer to the phone. When updating more than one phone in succession, the MCU software only needs to be loaded to the prommer once.

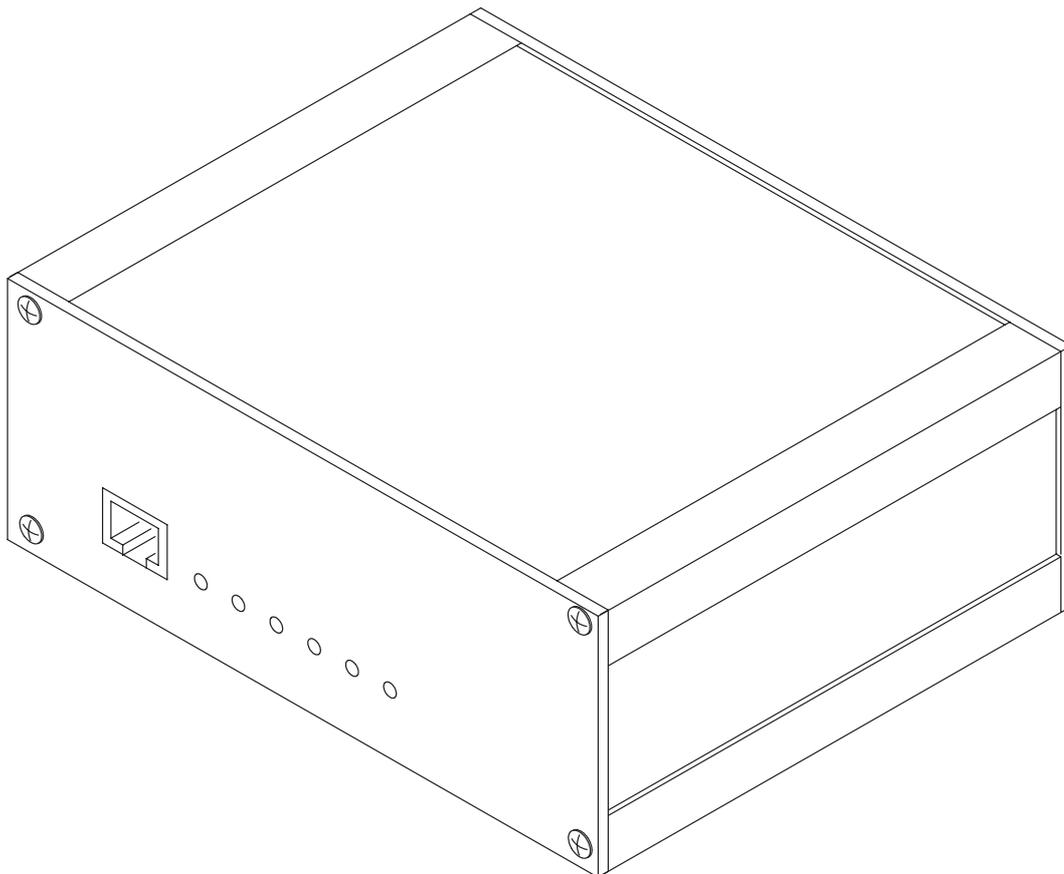
The sales pack includes:

- Flash Prommer FPS-4	0750090
- Charger ACL-3E	0680015
- Printer cable IBM DB25F/57-30360	0730029
- D9 - D9 Cable AXS-4	0730090
- Flash Prommer software 3" disk	0774043

Sales package code

Flash Prommer FPS-4S:	0085095
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View of FPS-4



Security Box TDF-4

The Security Box TDF-4 is required for updating MCU software, and infra red testing.

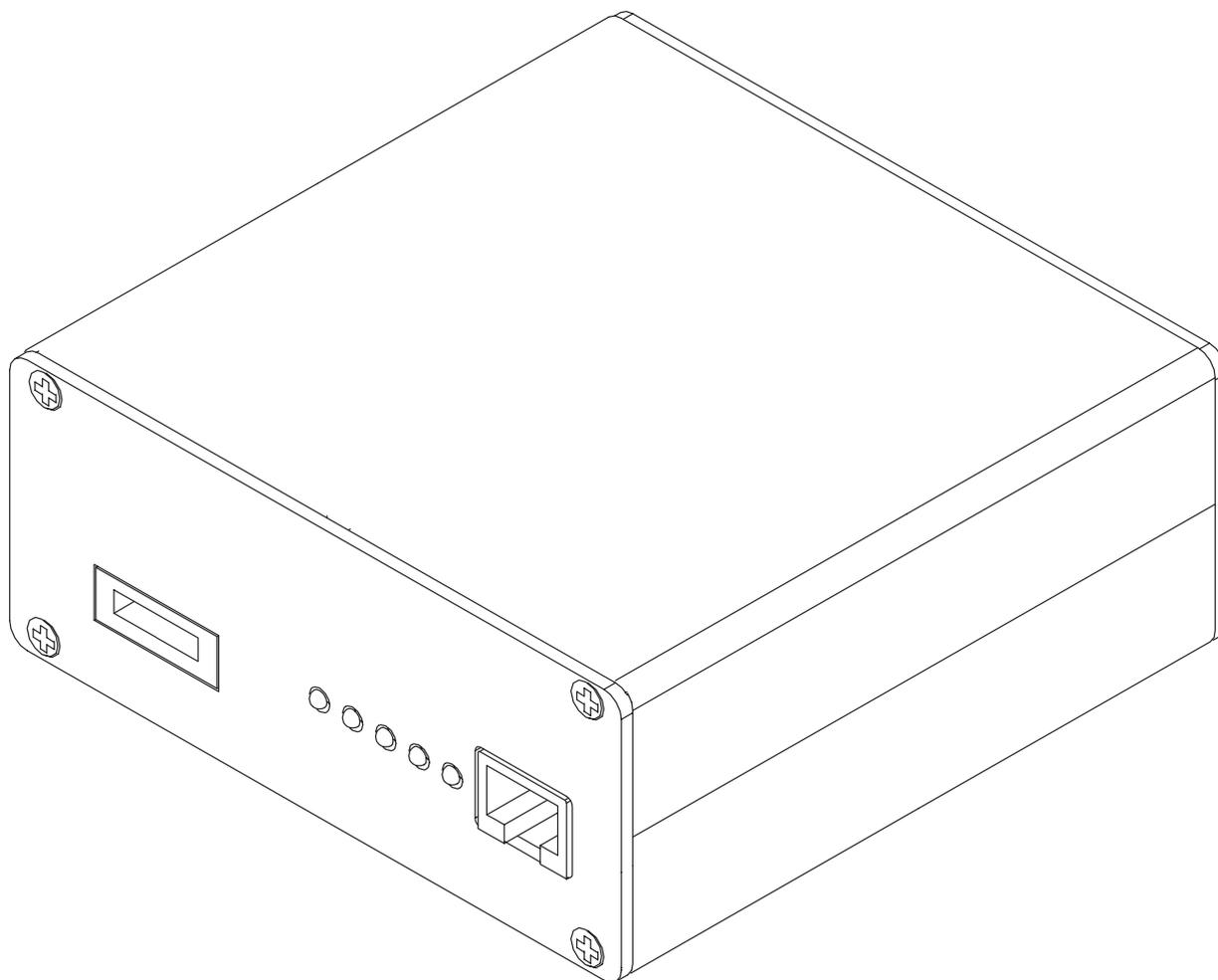
Note 1: TDF-4 is delivered in de-activated mode. Fill in the enclosed Activation Request Form, and fax to NMP Salo to get the activation code

Note 2: The infra red module JLP-1 (P/N 0750079) is not included in the TDF-4 sales package

Product Code

Security Box TDF-4: 0770106

View of TDF-4



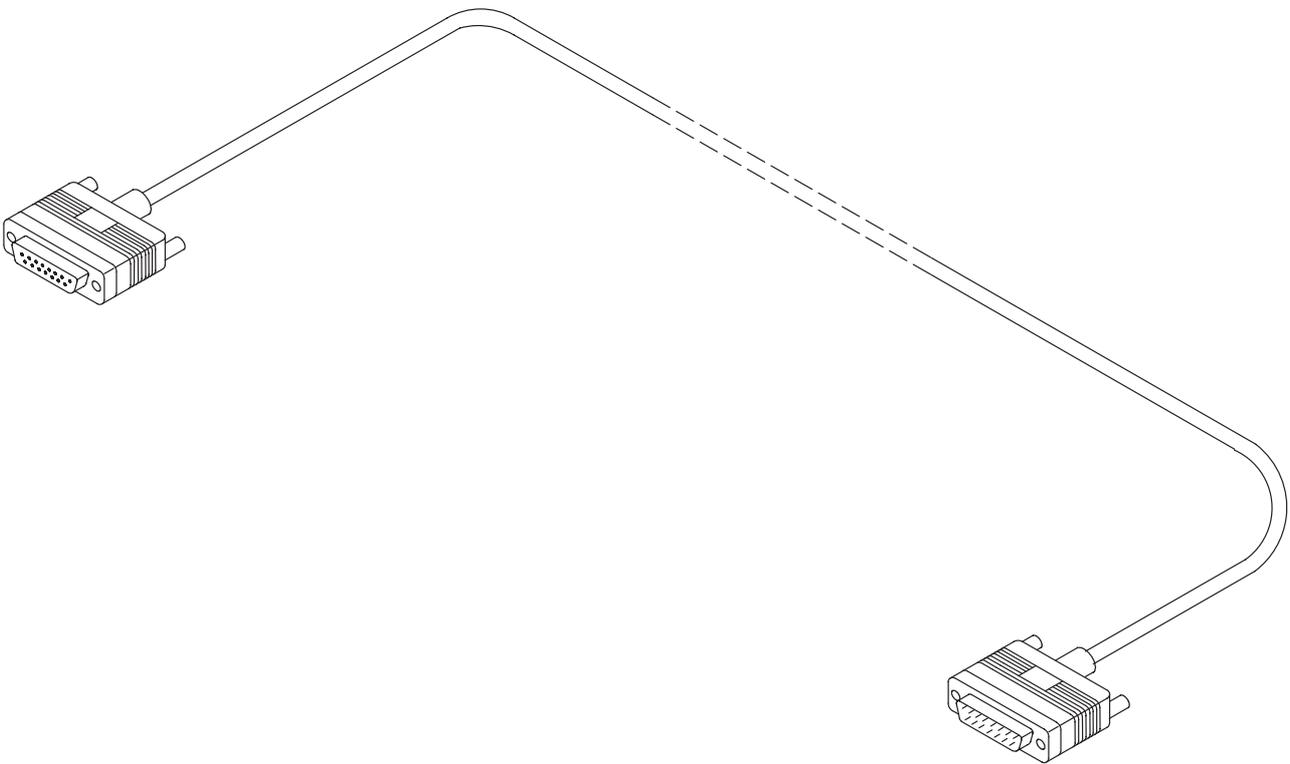
D15-D15 Cable AXS-5

The D15-D15 Cable AXS-5 is used to connect two 15 pin D connectors.
e.g. between FLA-5/7 and FPS-4S.

Product Code

D15-D15 Cable AXS-5: 0730091

View of AXS-5



DC Charging Cable PCC-1

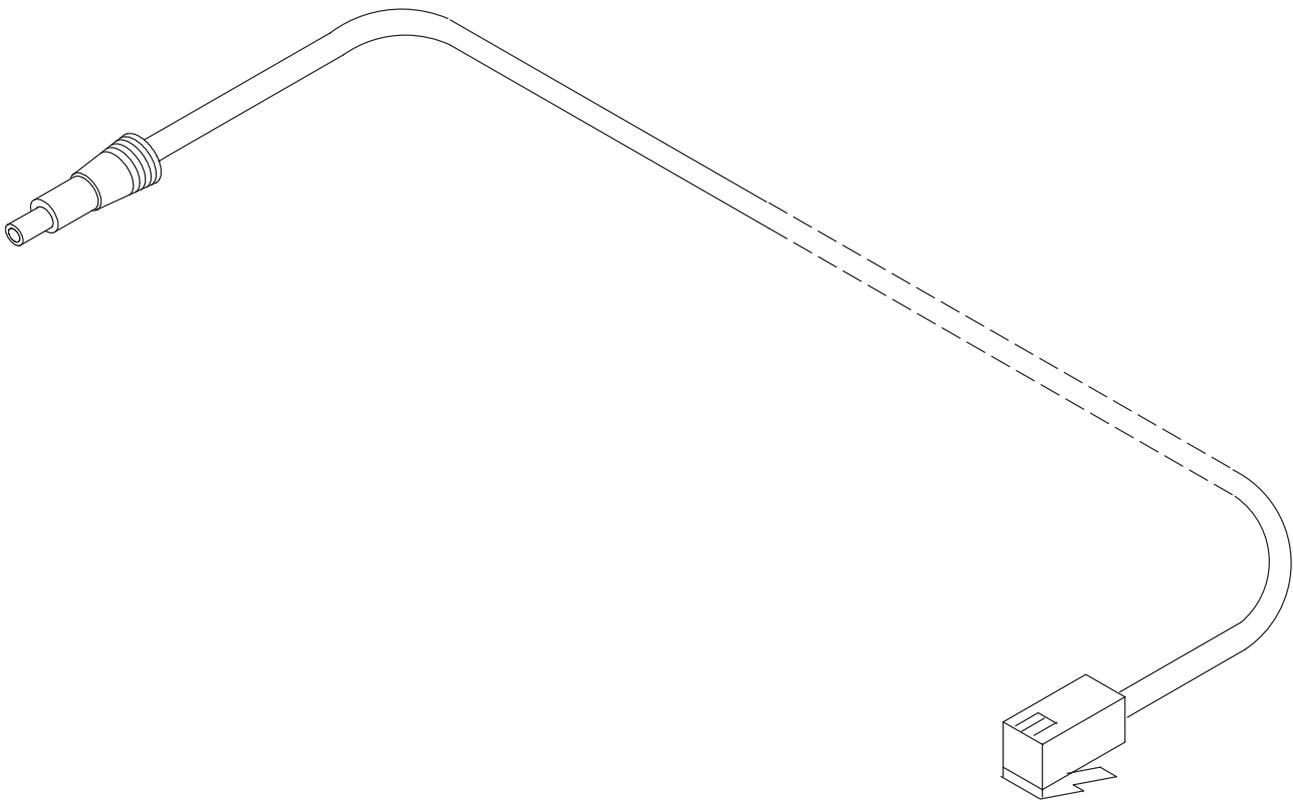
The DC Cable PCC-1 is used e.g. to connect FLA-5/7 and TDF-4.

Product Code

DC Cable PCC-1 (with modular RJ connector): 0730053

DC Cable PCC-1B (with banana connectors): 0770050

View of PCC-1



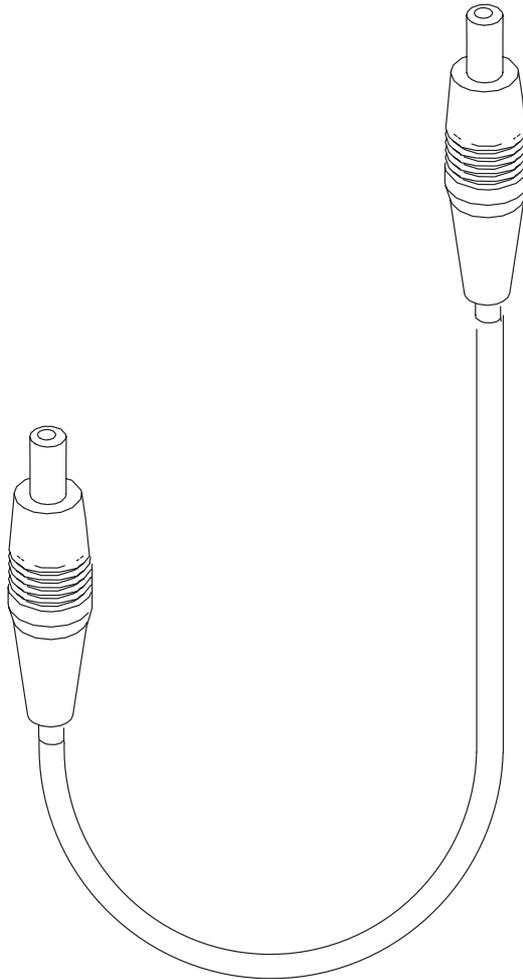
DC Cable SCB-3

The DC Cable SCB-3 is used to connect the Service Battery to the charger connection Vin of the phone when doing the charger calibration service procedure.

Product Code

DC Cable SCB-3: 0730114

View of SCB-3



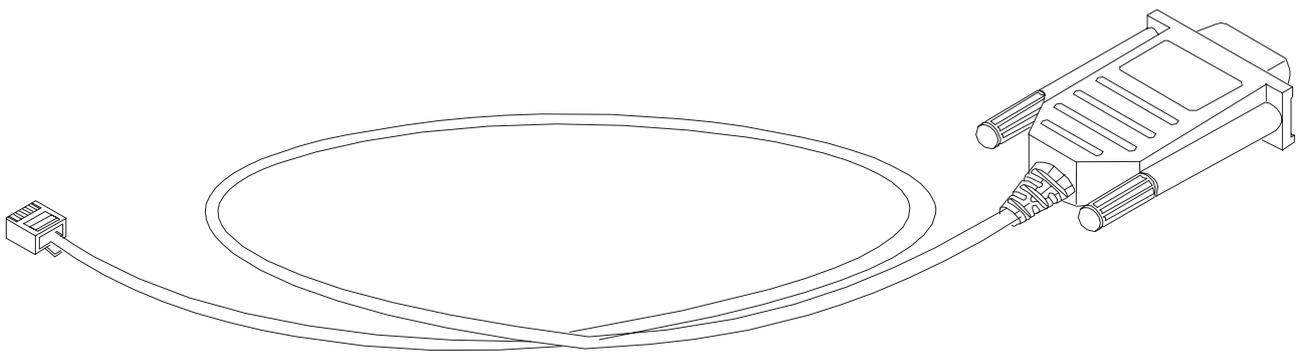
MBUS Cable DAU-9S

The MBUS Cable DAU-9S has a modular connector, and is used with the service Audio Box JBA-4, or a modular T-adapter.

Product Code

MBUS Cable DAU-9S: 0730108

View of DAU-9S



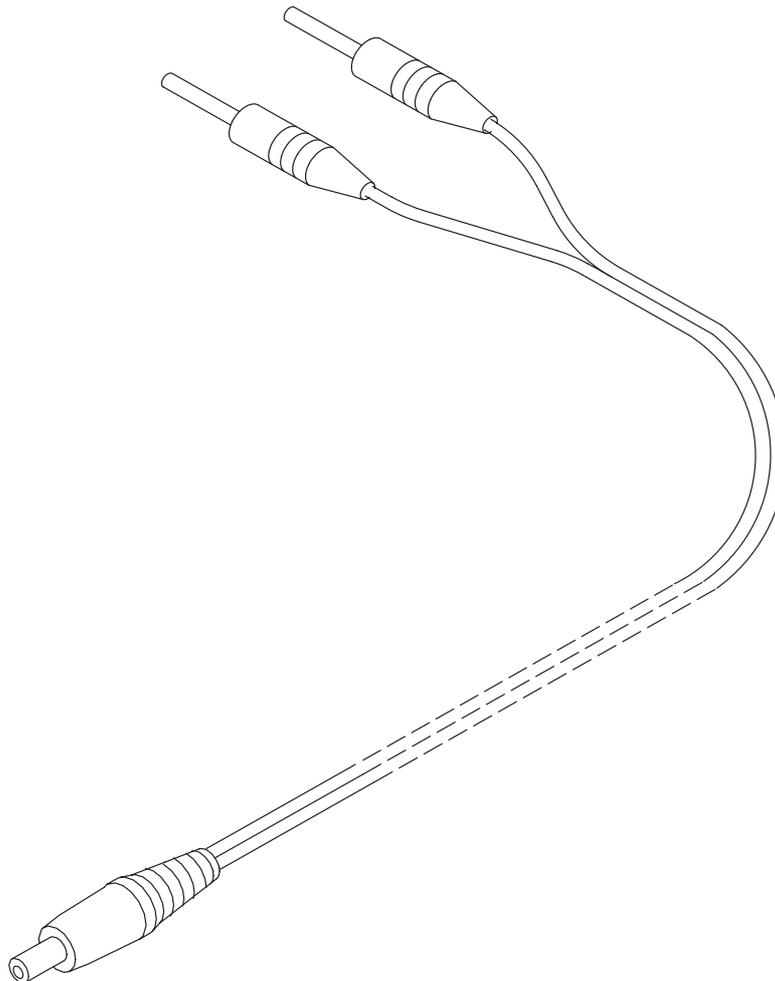
Power Cable PCS-1

The Power Cable PCS-1 is used to connect the module jigs MJS-9 and JBU-6 to an external power supply. Can be used with FPS-4 also.

Product Code

Power Cable PCS-1: 0730012

View of PCS-1



RF Cable XRF-1

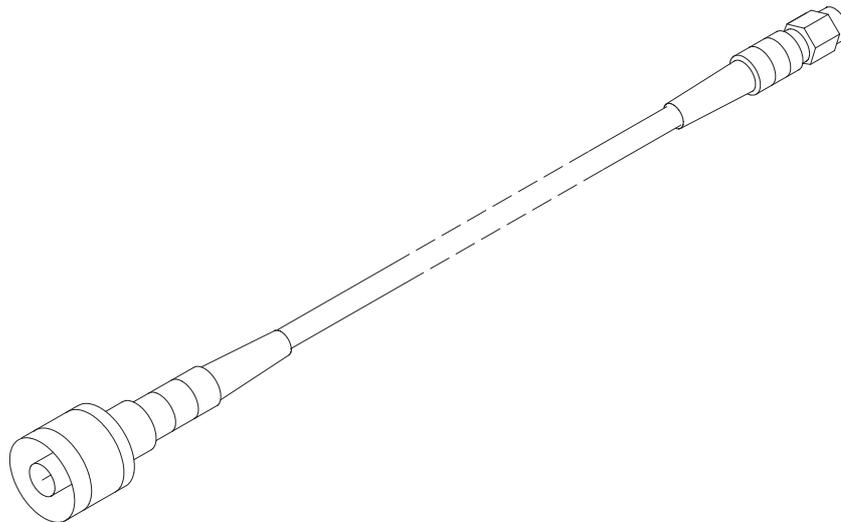
RF cable XRF-1 is used to connect RF Test adapter AAT-8 or Test frame MJS-9 to RF measurement equipment..

Product code

RF Cable XRF-1:

0730085

View of XRF-1



RF Cable XRS-3

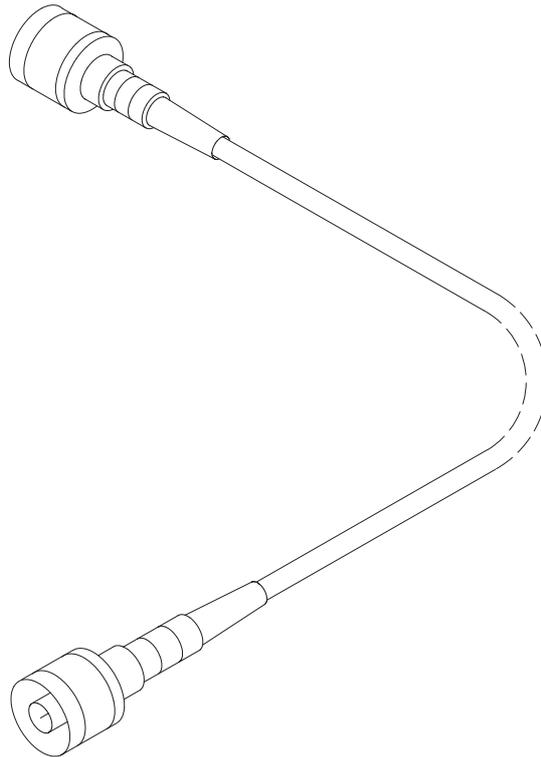
RF cable XRS-3 is used to connect RF Test adapter AAT-8 or Test frame MJS-9 to RF measurement equipment.

Product code

RF Cable XRS-3:

0730184

View of XRS-3



Service Cable XMS-3

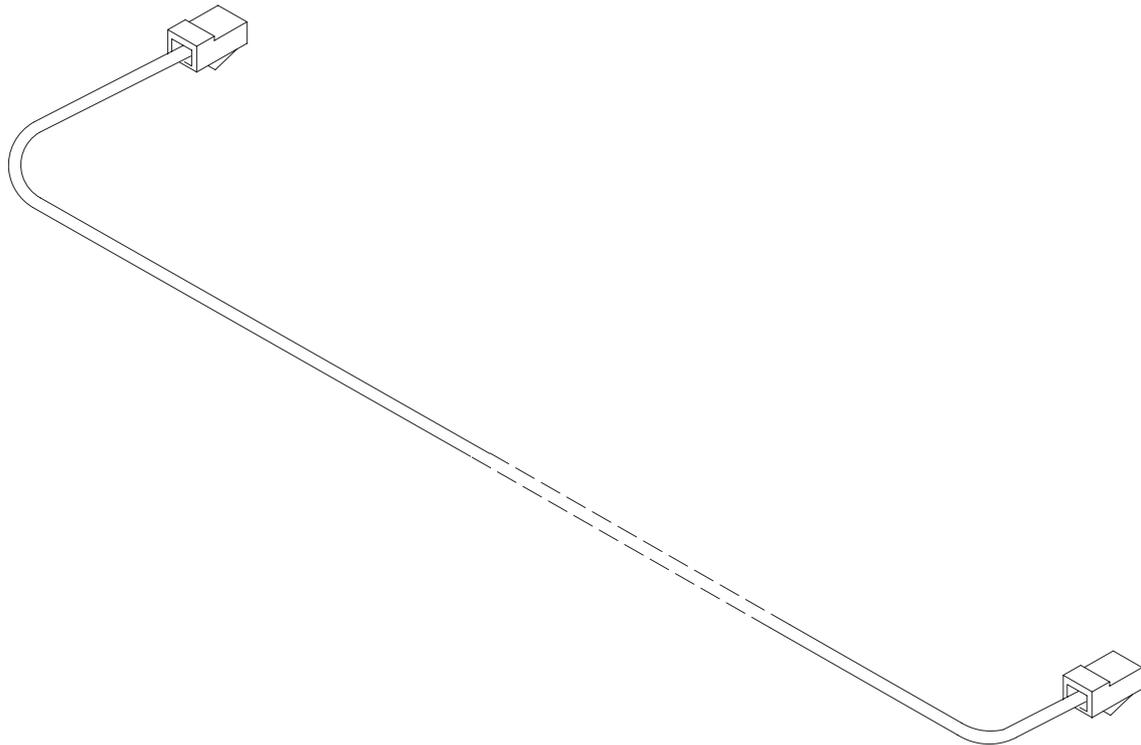
XMS-3 is a modular cable for flashing.

Product code

Service Cable XMS-3:

0730174

View of XMS-3



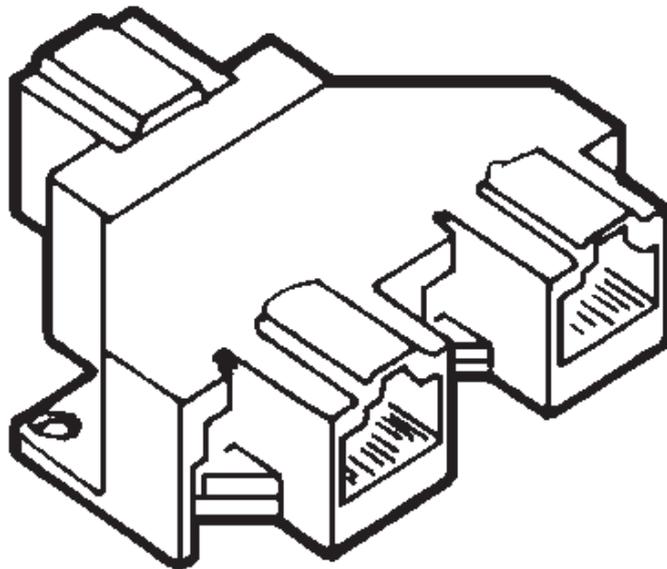
Modular T-adapter

The modular T-adapter is a suitable branching unit to provide the needed parallel modular connections.

Product Code

Modular T-adapter: 4626134

View of Modular T-adapter



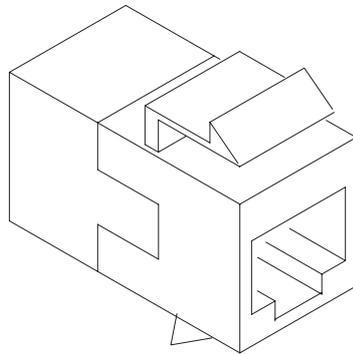
Modular Cable Jack Connector

The Modular Cable Jack Connector is a suitable for connecting two Service Flash Batteries (BBF-1) together in Warranty Transfer.

Product Code

Modular Cable Jack Connector
(available eg. as AMP code: P/N 555052-1)

View of Modular Cable Jack Connector



SW Security Device PKD-1

SW security device is a piece of hardware enabling the use of the service software when connected to the parallel (LPT) port of the PC. Without the dongle present it is not possible to use the service software. Printer or any such device can be connected to the PC through the dongle if needed.

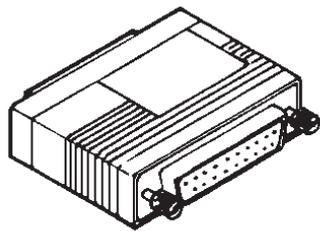
Caution: Make sure that you have switched off the PC and the printer before making connections!

Caution: Do not connected the PKD-1 to the serial port. You may damage your PKD-1!

Product Code

SW Security Device PKD-1: 0750018

View of SW Security Device



G0750018

Dongle/Flash Device FLS-2D (Sales Pack)

FLS-2D is a dongle and flash device incorporated into one package, developed specifically for POS use. Use Flash Loading Adapter FLA-10 (0081346) with FLS-2D.

Product Code

Sales Pack - Europe/Africa	0081291
Sales Pack -APAC	0081290
Sales Pack -US	0081289

View of FLS-2D



Sales Pack Contents

Part No.	Description
0750142	FLS-2D Flash Device.
0730163	AXS-4U Cable.
0770177	Disk- Installation package, 16bit Dongle Drivers.
0770176	Disk - Installation package, 32bit Dongle Drivers.
0774120	Disk - Installation package for the FLE-5 Drivers.
0774123	Disk - Remote Update Application Installation Package.
0275405	Installation and User Guide
0275404	Registration Request Form

Note: in addition to this Sales Pack, a Service Cable will be required to connect the FLS-2D to the Product/Phone to be flashed, e.g. XMS-3, and a software package to run the flashing process.

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