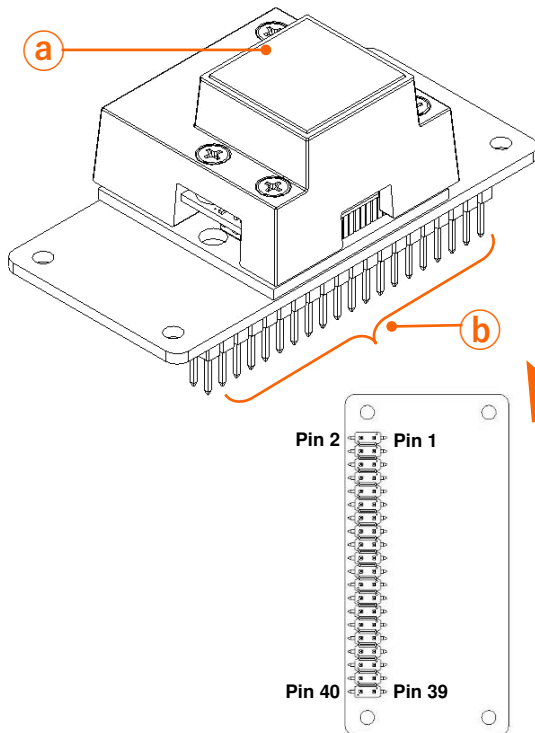


Mode #3: Interface with NeoSpectra Micro via SPI – Best for development

Interface directly with NeoSpectra Micro via SPI pins. You'll be provided with all necessary SPI commands and communication protocols to interface with the kits' electronic board. The commands and protocols are the same ones to be used in NeoSpectra Micro product (after integration of electronics). So you can start developing your host system ahead of time.



Interface with...

- a** Spectralon or sample
- b** Host pins

Flipped to backside

40 Pins Connector Table

Pin 2			Pin 1
VDD		NC	
VDD		GND	
NC		NC	
NC		NC	
NC		NC	
NC		EN	
NC		EN	
EXTRG		WKUP	
DRDY		NC	
GND		SPI_MOSI	
INTRPT		SPI_MISO	
SPI_CSB		SPI_CLK	
NC		GND	
NC		NC	
GND		NC	
NC		NC	
NC		NC	
NC		NC	
NC		NC	
NC		NC	
NC		NC	
NC		NC	
Pin 40			Pin 39

Pin assignments

Pin #	Name	Description
2, 4	VDD	Supply voltage
3, 20, 25, 30	GND	Ground
18	DRDY	Data ready signal
19	SPI_MOSI	SPI MOSI
21	SPO_MISO	SPI MISO
11, 13	EN	Enable
22	INTRPT	Interrupt signal
23	SPI_CLK	Clock for SPI
24	SPI_CSB	SPI Chip select
16	EXTRG	External trigger to start scan
15	WKUP	Wake up