Au BB0703 6-wire Pogo Pin Cable
(Part#: CBL-0703-POGO)
Rev. B
January 2009

Au Group Electronics CBL-0703-POGO (figure 1) is a 6-wire Pogo Pin Cable designed for Au Group Electronics BB0703 family products. (Note: actual product color and style may be changed without further notice; all pictures in this document are for demonstration purpose only)

Figure 1 CBL-0703-POGO

Specification:

Current rating: 3 amps continuous

Spring force: 4.0 oz each @ 0.100 inch travel

Pogo pin Material: BeCu with gold plated

Typical contact resistance: < 60 mOhm

Working travel: 0.100~0.160 inch

When CBL-0703-POGO is connected with Au Group Electronics BB0703/BB0703+ (PICkit 2), the ICSP signals are defined as table 1.

Table 1 Pin-out and wire color of CBL-0703-POGO

Pogo Pin #	Color Code	Signal
1*	Blue	VPP
2	Blue in White	VDD
3	Green	GND
4	Green in White	ICSPDAT
5	Yellow	ICSPCLK
6	Yellow in White	AUX

Note 1: The Pin-out and wire color listed in table 1 is for BB0703 family only. When other PIC programmer products are connected, these signal definition may be different.

Note 2: The "pin # 1" indicator (typically a triangle) is located on the pogo pin fixture (figure 2)
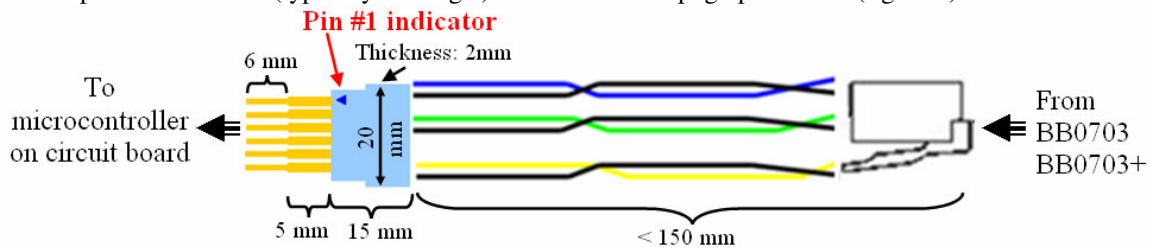

Figure 2 – Pin-out and wire connection (Note: All dimension are for reference only, actual product may be changed without further notice)

Note 3: Recommended PCB pads pattern (mating with pogo pins) is shown in figure 3, recommended parameters are: ID = 1 mm, OD = 2mm, and pin pitch = 2.54 mm (100 mil).
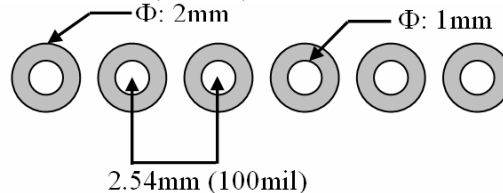

Figure 3 – Recommended PCB pattern for pogo pins

Note 4: CBL-0703-POGO is also capable of being used with other PIC programmers (e.g. Microchip ICD2/ICD3/RealICE, etc.), please be aware that each programmer's ICSP pin-out definition may be different. When CBL-0703-POGO is used with non-BB0703 programmer, please always refer to the programmer's specification for correct ICSP pin-outs.

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