



Au BB0703 6-wire 50 mil Pogo Pin Cable

(Part#: CBL-0703-POGO-50)

Rev. B

September, 2016

CBL-0703-POGO-50 is a 6-wire Pogo Pin Cable with 50 mil pitch designed for Au Group Electronics BB0703 family products. It can also be used with Microchip ICD3, ICD2, RealICE products. Two types of pogo pin header are available: serrated and radius. (Note: actual product color and style may be changed without further notice; all pictures in this document are for demonstration purpose only).

Specification:

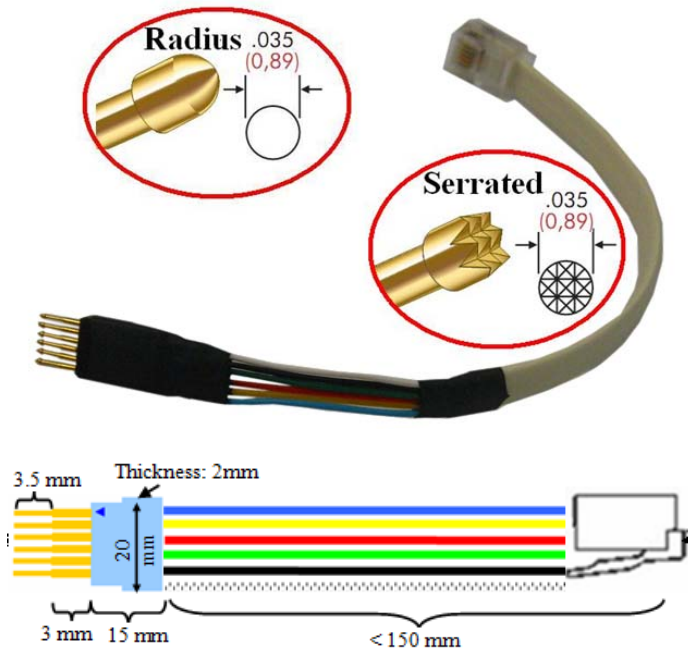
- Nominal Centers: 0.050 inch
- Current rating: 1 amps continuous
- Spring force: >= 2.5 oz each @ 0.170 inch travel
- Typical contact resistance: < 35 mOhm
- Max. Working travel: 0.100 inch
- Contact Barrel: DuraGold
- Spring: gold plated stainless steel / music wire
- Pogo pin Material: BeCu with gold plated.
- Pogo pin header type: Radius or Serrated

Ordering Information:

Part#	Pogo Pin Header Type
CBL-0703-POGO-50R	Radius
CBL-0703-POGO-50S	Serrated

ICSP Signals:

Since each programmer's ICSP pin-out definition may be different. Please ignore the pin 1 mark on the connector, and use wire color code as reference.



When CBL-0703-POGO-50 used with Au BB0703/BB0703+, the ICSP signals are defined as:

Wire Color Code	ICSP Signals (connect to BB0703)
Blue	VPP
	VDD
	GND
	PGD
	PGC
White	AUX

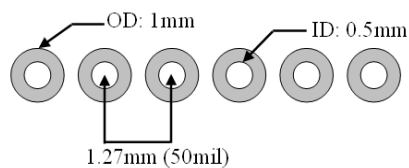
When CBL-0703-POGO-50 is used with ICD2, the ICSP signals are defined as in table below:

Wire Color Code	ICSP Signals (connect to ICD2)
Blue	Not Used
	PGC
	PGD
	GND
	VDD
White	VPP

When CBL-0703-POGO-50 is used with ICD3/RealICE, the ICSP signals are defined as in table below:

Wire Color Code	ICSP Signals (connect to ICD3)
Blue	LVP/Not Used
	PGC
	PGD
	GND
	VDD
White	VPP

Recommended PCB pads **through hole** pattern (mating with **radius** pogo pin headers):
ID = 0.5 mm, OD = 1 mm, pin pitch = 1.27 mm (50 mil).



Recommended PCB pads **SMD** pattern (mating with **serrated** pogo pin headers):
OD = 1 mm, pin pitch = 1.27 mm (50 mil).

