

PSOP 44B1-SD

Before you begin...

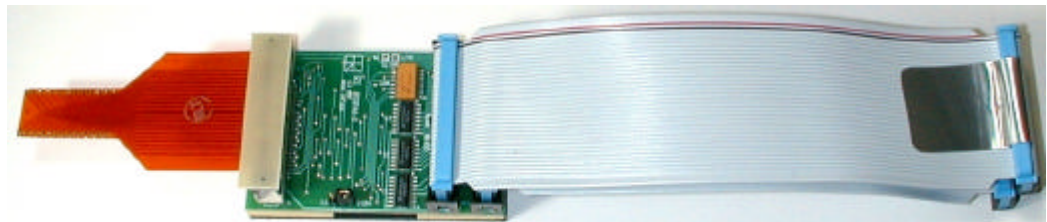
1. Confirm your target matches this MEMORY FOOTPRINT

VPP	1		44	WE#
A18	2		43	A19
A17	3		42	A8
A7	4		41	A9
A6	5		40	A10
A5	6		39	A11
A4	7		38	A12
A3	8		37	A13
A2	9		36	A14
A1	10		35	A15
A0	11	PSOP44B1	34	A16
CE#	12		33	BYTE#
GND	13		32	GND
OE#	14		31	D15/A-1
D0	15		30	D7
D8	16		29	D14
D1	17		28	D6
D9	18		27	D13
D2	19		26	D5
D10	20		25	D12
D3	21		24	D4
D11	22		23	VCC

- 44 pin PSOP, 16 bit memories
- Probe solders directly to PCB
- Maximum memory size 2M Bytes
- Organized as 1M x 16 bit
- Maximum PromICE: P2080
- To emulate 3 Volt memories, 3 Volt adapter (GEI Part # 3VA16DC) is required.

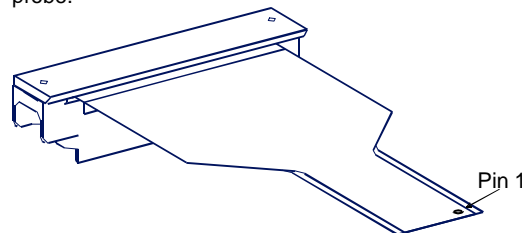
Note: Maximum memory size is shown in footprint. For smaller memories, unused lines must be connected to V_{cc} to ensure proper PromICE operation.

2. Confirm that you have received all parts of the Complete Cable Assembly

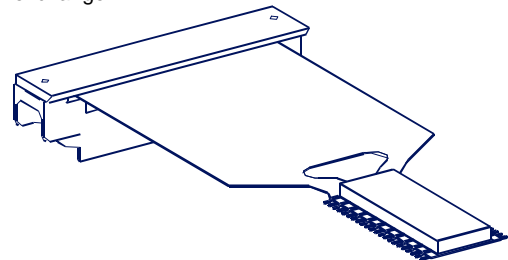


3. Confirm that you received the correct PSOP Flex Probe with your cable.

Correct Probe – The probe shipped with this cable is to be soldered directly onto the PCB. Instructions for this probe are included with the probe.



Incorrect Probe –if you received a plug-in probe do not attempt to solder it to the PCB. Contact Grammar Engine for an exchange.



Memories Supported

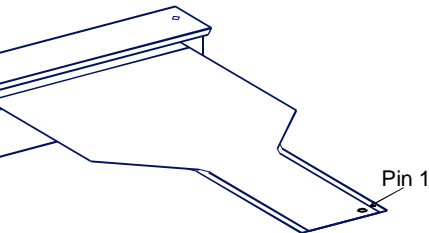
- www.promice.com/memories.htm contains a listing of all memories supported by Grammar Engine target cables.
- Emulates devices like M27C1610; 29LV160 and others.

**For Technical Support, contact Grammar Engine at 614-899-7878 or support@gei.com
For Sales, contact Grammar Engine Inc. www.gei.com or 1.800.PROMICE.**

Notes and Precautions

Always turn target power OFF when connecting or disconnect PromICE target cables.	If your target has capacitors, allow sufficient discharge time. Connecting with the power on can damage cables or the PromICE.
Handle the PSOP Flex Probe with care.	Carefully review the flex probe application notes (under the foam in the plastic box) before proceeding. Damage to the flex probe through mishandling is not covered in your PromICE warranty or support policy. Once the seal on the case is broken, Grammar Engine Inc. cannot accept returns of flex probes.

Installation Instructions

Step	Action	Notes
1.	Verify that you have the correct cable for the memory you are emulating.	If you have the wrong cable, contact Grammar Engine or your distributor for a replacement.
2.	Align Flex Probe and TSOP mounting pads on the PCB.	Remove the TSOP Flex Probe from its protective case. Locate pin 1 on the probe and identify the corresponding pad on your PCB
 <p>The diagram shows a perspective view of the TSOP Flex Probe. It is a long, thin, rectangular component with a connector on one end. A small circle on the opposite end is labeled 'Pin 1'.</p>		<p>If you are unsure of the correct orientation, consult the cable schematic and the schematic of your target board.</p> <p>Important Note: The solder-down flex probe must be connected directly to the pads on your PCB. It <u>cannot</u> be soldered over a memory.</p>
		<p>3. Solder the Flex Probe to the pads on your PCB.</p> <p>Detailed soldering guidelines are included on the pink application notes in the flex probe box. If you need assistance, contact AlpTex at 440.437.5570. AlpTex can also provide custom connection services.</p>
4.	Connect PromICE.	With the power off to your PromICE, connect the shielded ground plane cables to your PromICE.
5.	Connect the adapter board to the Flex Probe.	Connect the Flex Probe to the identical connector on the adapter board. (These connectors are identical but they fit together - line up the keys and slide the connector on the Flex Probe straight down onto the adapter board's connector.)

You are now ready to power up your target and PromICE. Please consult your PromICE manual for further setup information.

Contact your Grammar Engine Sales Representative to order these parts and accessories:

Cable Parts	PSOP44B1 BD 34FFEXT 34FF6.7EXT PSOP44 SDH	Adapter Board 6" Shielded Ground Plane Cable 6.75" Shielded Ground Plane Cable 44 pin PSOP solder down flex probe (AlpTex #923726-44)
Accessories	3VA16DC	3 Volt Adapter

