

PSOP 44B-CP

Memory Footprint

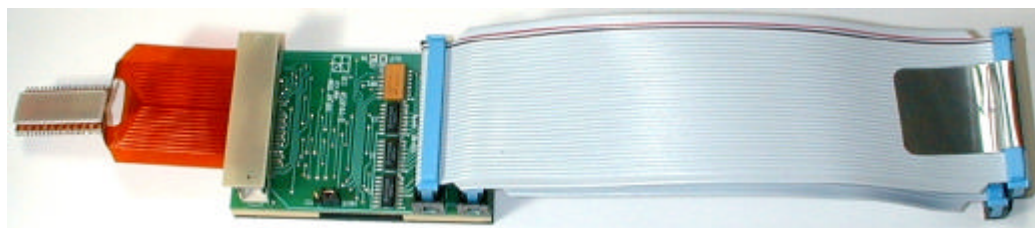
VPP	1	44	RP#
A18	2	43	WE#
A17	3	42	A8
A7	4	41	A9
A6	5	40	A10
A5	6	39	A11
A4	7	38	A12
A3	8	37	A13
A2	9	36	A14
A1	10	35	A15
A0	11	34	A16
CE#	12	33	BYTE#
GND	13	32	GND
OE#	14	31	D15/A-1
D0	15	30	D7
D8	16	29	D14
D1	17	28	D6
D9	18	27	D13
D2	19	26	D5
D10	20	25	D12
D3	21	24	D4
D11	22	23	VCC

PSOP44B

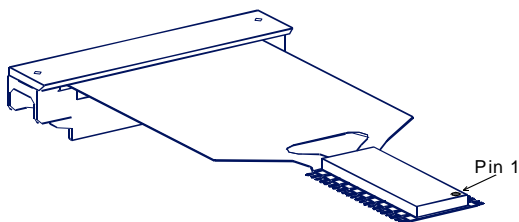
- ❑ 44 pin TSOP, 16 bit memories
- ❑ Probe plugs into Meritec socket (Meritec Part # 980021-44)
- ❑ Maximum memory size 1M Bytes
- ❑ Organized as 512k x 16 bit
- ❑ Maximum PromICE: P2040
- ❑ For **3 Volt parts**, 3 Volt adapter (GEI Part # 3VA16) is required.

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

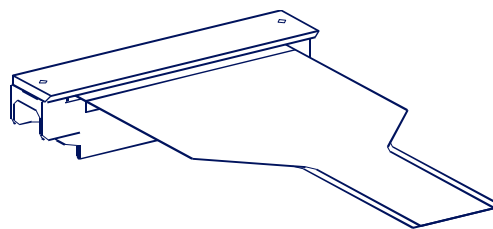
Complete Cable Assembly



PSOP Flex Probes



Correct Probe – The probe shipped with this cable is intended for insertion in a Meritec socket. Instructions for inserting this probe are included with the probe and in this document.



Wrong Probe – This probe is designed to be soldered directly to the PCB. If you received this probe in error, do not attempt to insert it in a socket. 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. **Note:** This cable supports both ROM and flash memories. Flash signals RP#, WP#, VPP, and RESET# are shown on the cable schematic but are not connected to PromICE. PromICE emulates Flash memory as a ROM when used with this cable.
- ❑ Emulates devices like 28F200~800; 29F100~800; 29LV200~800 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.

Important Note: The PSOP plug-in flex probe will work only with Meritec PSOP sockets

This probe cannot be used with any other company's PSOP socket. Insertion in any other manufacturer's socket, or attempting to solder a plug-in probe. Will damage the probe and void its warranty.

Do not hand solder Meritec sockets on your PCB

The Meritec sockets were designed to be placed on the PCB via reflow. **DO NOT ATTEMPT TO HAND SOLDER THE SOCKET TO YOUR PCB:** solder can wick up into the socket and damage the probe when it is inserted.

If you need assistance (including custom socket connection services, contact AlpTex at 440.437.5570

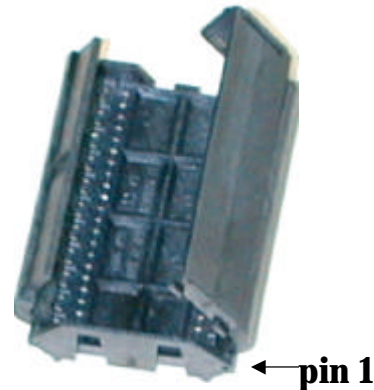
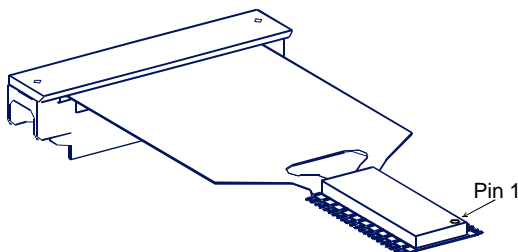
Handle the PSOP Flex Probe with care.

Retain the plastic box to store flex probe when not in use. 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.	Connect PromICE.	With the power off to your PromICE, connect the shielded ground plane cables to your PromICE.
3.	Connect the adapter board to the Flex Probe.	Remove the PSOP Flex Probe from its protective case. Connect the female connector on the Flex Probe to the male connector on the adapter board. Be careful to align the connectors carefully to avoid damaging the pins on the adapter board.
4.	Align Flex Probe in PSOP socket	Locate pin 1 on the probe and identify the corresponding pin in your socket.

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If you are unsure of the correct orientation, consult the cable schematic and the schematic of your target board. The flex probe must emerge from the "open" side of the socket.

Lower the PSOP socket vertically and seat it in the socket.

Inspect (with a magnifier if necessary) to confirm that each pin is fully seated in the socket. Do not insert the probe at an angle, since this can damage individual pins.

5.	Close the PSOP socket lids.	<p>Lower the lids until they are almost closed and the cam underneath each lid engage. From that point, close the lids together and latch. DO NOT FORCE THE LIDS CLOSED-THIS WILL DAMAGE THE PROBE. If they do not close easily, open the lids and reseat the probe in the bottom of the socket.</p> <p>Once the probe is seated successfully in the socket, do not pull or put any twisting force on the Probe.</p> <p>If possible, avoid repeatedly removing and reinserting the probe in the socket.</p>
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You are now ready to power up your target and PromICE. Please consult your PromICE manual for further setup information.

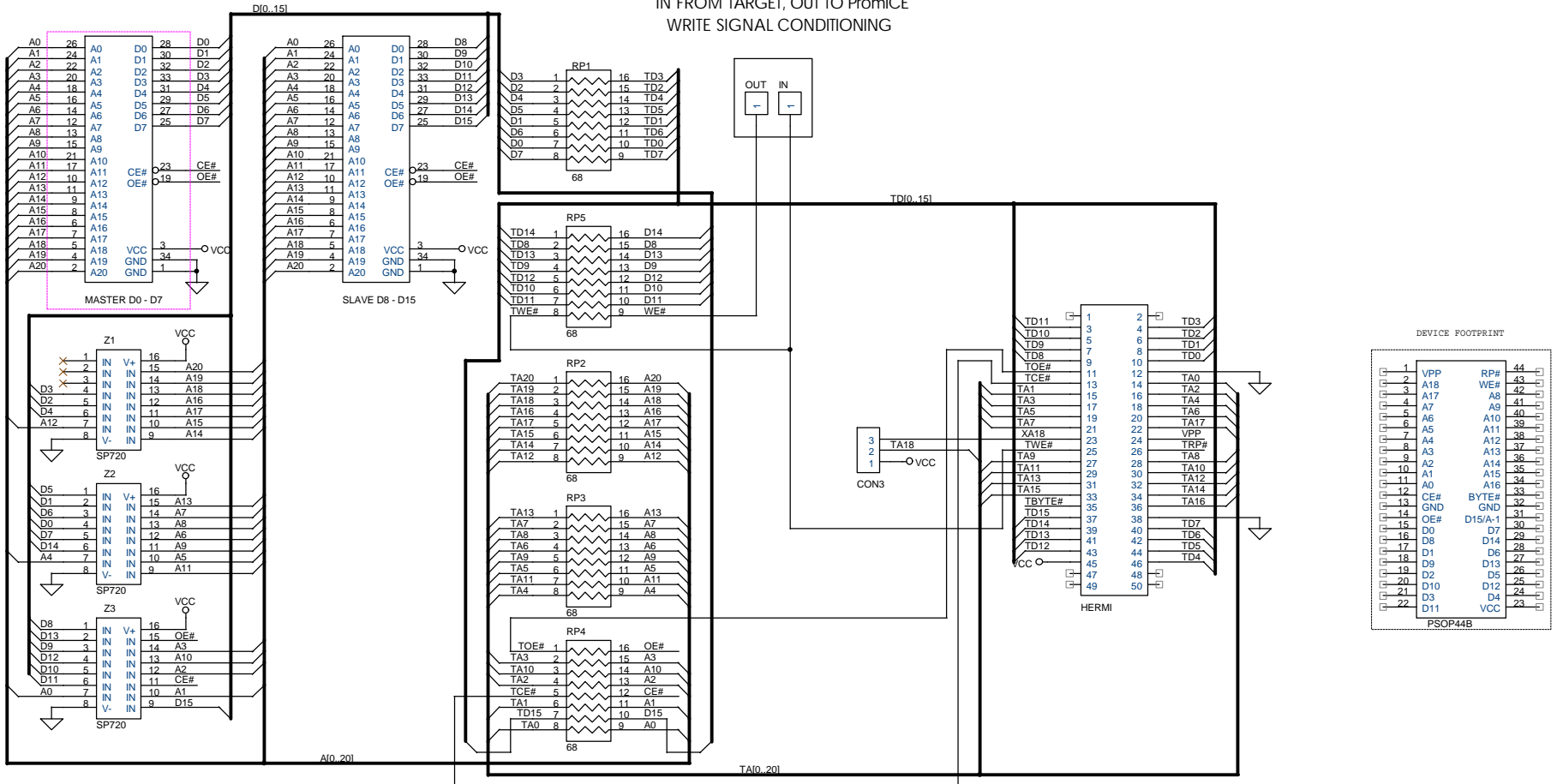
Contact your Grammar Engine Sales Representative to order these parts and accessories:

Cable Parts	PSOP44B BD 34FFEXT 34FF6.7EXT PSOP44CPH	Adapter Board 6" Shielded Ground Plane Cable 6.75" Shielded Ground Plane Cable 44 pin PSOP plug-in flex probe (AlpTex #923708-44) 44 pin PSOP socket (Alp Tex #980021-44-02)
Accessories	PSOP44 Plug-in socket 3VA16DC	3 Volt Adapter

PSOP44B

16-bit

IN FROM TARGET, OUT TO PromICE
WRITE SIGNAL CONDITIONING



NOTES:

MAX SIZE: 1MB (512K x 16) (P2040)
SUPPORTS: 44 pin PSOP 16 bit in 16 bit mode
PROMICE JUMPER SETTING: 32

TBYTE#, BPP and TRP# are not connected.

Board ID: GEI PSOP44-B

Grammar Engine Inc.		
921 Eastwind Drive Suite 122 Westerville OH 43081		
Title: PSOP44B		
Size: B	Document Number: 097-0005	Rev: 1.0
Date: Monday, July 12, 1999	Sheet 1 of 1	