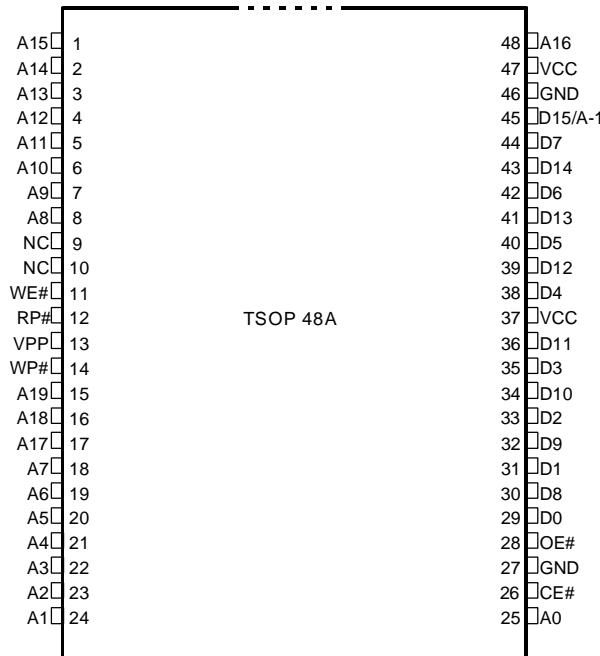




TSOP 48A-SD

Before you begin...

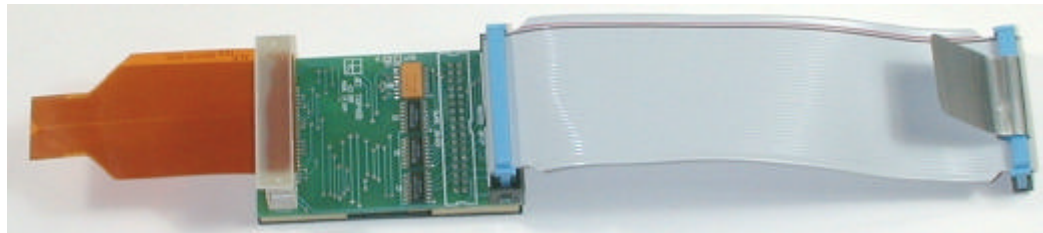
1. Confirm your target matches this MEMORY FOOTPRINT



- 48 pin TSOP, 8 bit memories
- Probe solders directly to PCB
- Maximum memory size 2M Bytes
- Organized as 2MB x 8 bit
- Maximum PromICE: P1160
- To emulate 3 Volt memories, 3 Volt adapter (GEI Part # 3VA8DC) is required.

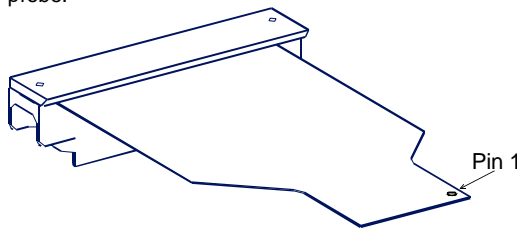
Note: Maximum memory size is shown in footprint. For smaller memories, unused lines must be connected to V_{cc} to ensure proper PromICE operation.

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

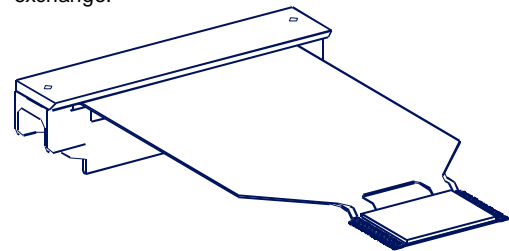


3. Confirm that you received the correct TSOP Flex Probe with your cable.

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 contains a listing of the 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 29F100T~29F800T and others.

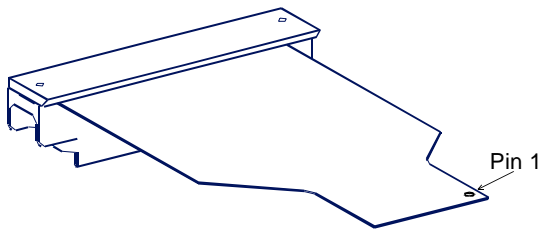
**For Technical Support, contact Grammar Engine at 614-899-7878 or support@gei.com
For Sales, contact Grammar Engine Inc. www.gei.com or 1.800.PROMICE.**

Notes and Precautions

<p>Always turn target power OFF when connecting or disconnect PromICE target cables.</p>	<p>If your target has capacitors, allow sufficient discharge time. Connecting with the power on can damage cables or the PromICE.</p>
<p>Handle the TSOP Flex Probe with care.</p>	<p>Carefully review the flex probe application notes (under the foam in the plastic box) before proceeding.</p> <p>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.</p>

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



If you are unsure of the correct orientation, consult the cable schematic and the schematic of your target board.

Important Note: The solder-down flex probe must be connected directly to the pads on your PCB. It cannot be soldered over a memory.

3.	Solder the Flex Probe to the pads on your PCB.	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.
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	TSOP48A BD 34FFEXT TSOP48 SDH	Adapter Board 6" Shielded Ground Plane Cable 48 pin TSOP solder down flex probe (AlpTex #923706-48)
Accessories	3VA8DC	3 Volt Adapter

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