

TSOP 48F-SD

Before you begin...

1. Confirm your target matches this MEMORY FOOTPRINT

BYTE#	1	48	GND
A16	2	47	GND
A15	3	46	D15
A14	4	45	D7
A13	5	44	D14
A12	6	43	D6
A11	7	42	D13
A10	8	41	D5
A9	9	40	D12
A8	10	39	D4
A19	11	38	VCC
NC	12	37	VCC
WE#	13	36	NC
A18	14	35	D11
A17	15	34	D3
A7	16	33	D10
A6	17	32	D2
A5	18	31	D9
A4	19	30	D1
A3	20	29	D8
A2	21	28	D0
A1	22	27	OE#
A0	23	26	GND
CE#	24	25	GND

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

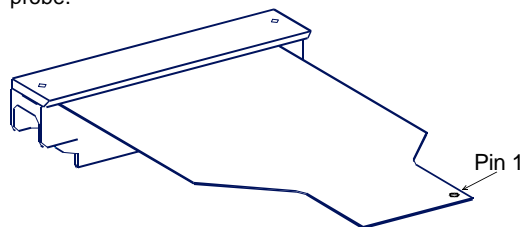
Note: Maximum memory size is shown in footprint. For smaller memories, unused lines must be connected to V_{cc} to ensure proper PromICE operation.

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

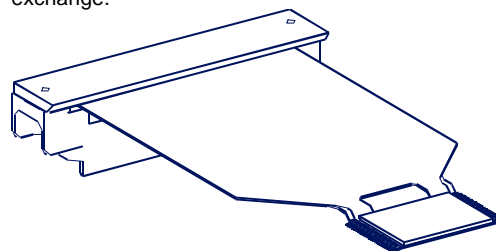


3. Confirm that you received the correct TSOP Flex Probe with your cable.

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

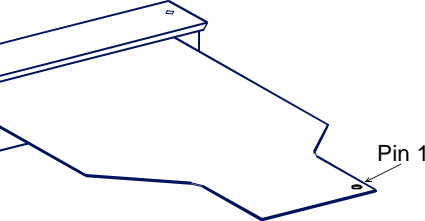
- www.promice.com/memories.htm contains a listing of all memories supported by Grammar Engine target cables.
- Emulates MX29F1610BTS

**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 TSOP 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 component with a rectangular base and a slightly raised top edge. A small circle on the right side of the base 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.

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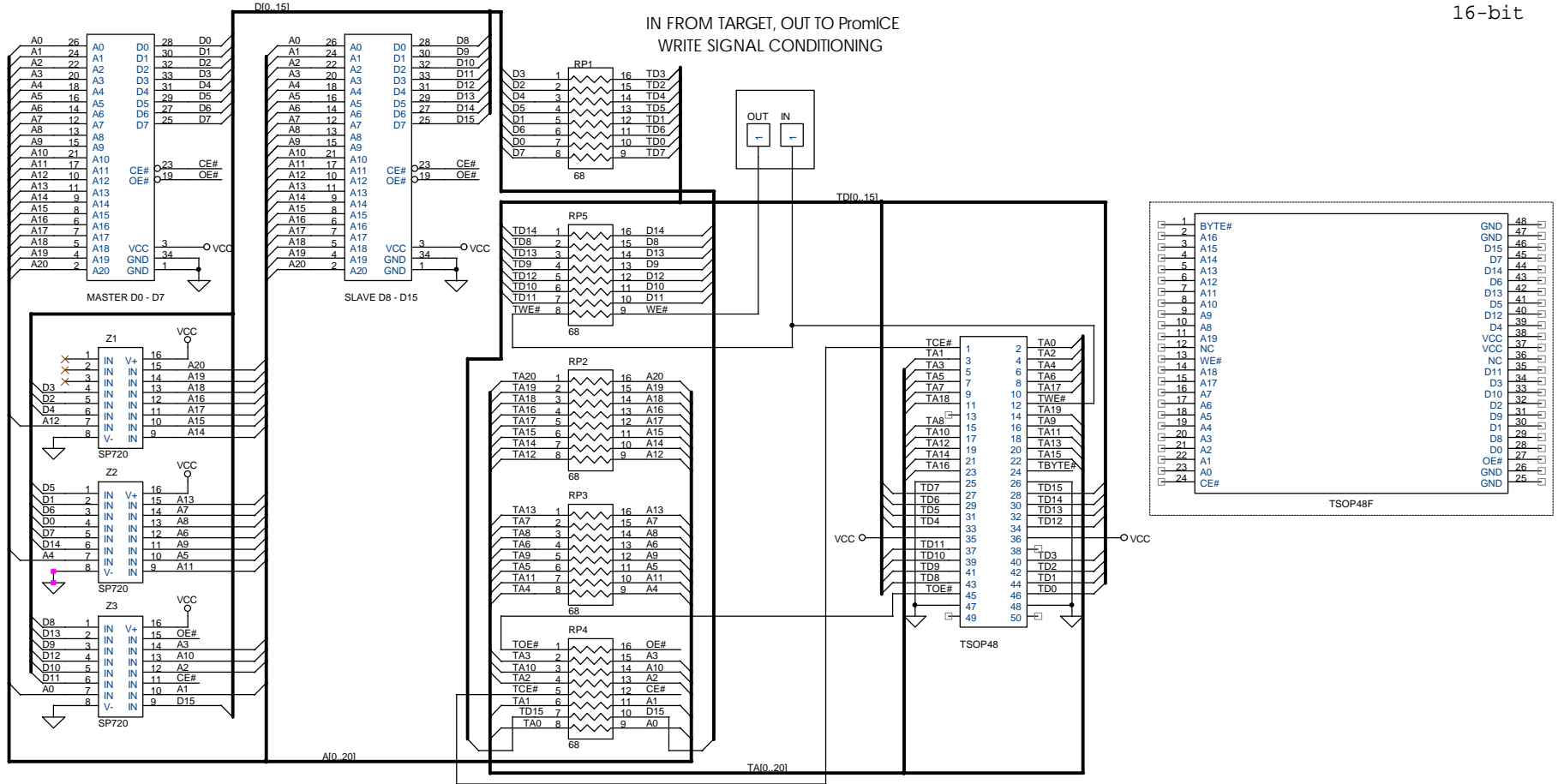
Contact your Grammar Engine Sales Representative to order these parts and accessories:

Cable Parts	TSOP48F BD 34FF EXT 34FF 6.7 EXT TSOP48 SDH	Adapter Board 6" Shielded Ground Plane Cable 6.7" Shielded Ground Plane Cable 48 pin TSOP solder down flex probe (AlpTex #923706-48)
Accessories	3VA16DC	3 Volt Adapter

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TSOP48F

16-bit



NOTES:

MAX SIZE: 2MB (1M x 16) (P2080)
SUPPORTS: 16 bit Macronix Mx29F1610BTS
PROMICE JUMPER SETTING: 32

Grammar Engine Inc.		
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