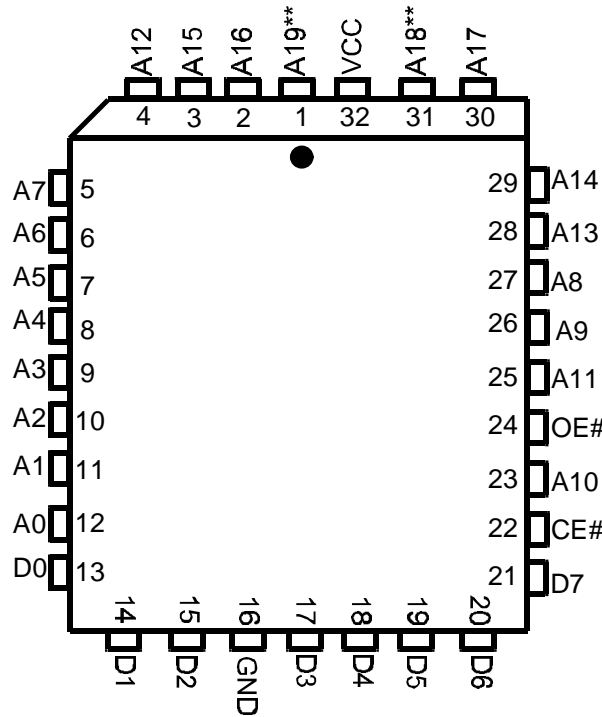


PL32E

Memory Footprint

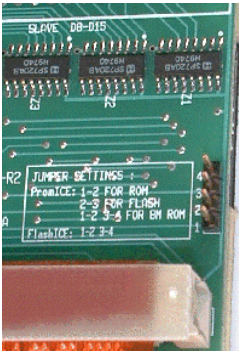


- 32 pin PLCC, 8 bit
- Plugs into PLCC sockets
- All 8 bit flash memories in a 32 pin PLCC footprint, and ROMs and EPROMs 128 KByte or larger. **
- Maximum memory size 1 MB
- Maximum PromICE: P1080
- For **3 Volt parts**, 3 Volt adapter (GEI Part # 3VA8DC) is required.

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

**** Varies by Jumper settings**
See schematic for footprints of all jumper settings.

Jumper Settings for PL32E Adapter Board

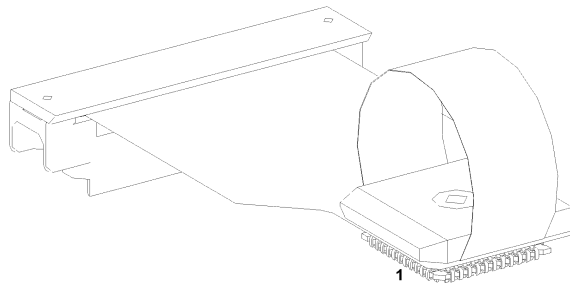


Jumper	Description of Memory Emulated
1 - 2	All 128, 256 & 512 KByte ROMs & EPROMs (Default)
1 - 2	128 & 256 KByte Flash Memories ((29F010 and 29F020)
2 - 3	512 KByte Flash Memories (29F040)
1-2 & 3-4	1 MByte ROMs and EPROMs (27080)
None	All 28Fxxx Flash Memories
1-2 & 3-4	FlashICE emulating AMD Am29F010& Am29F040

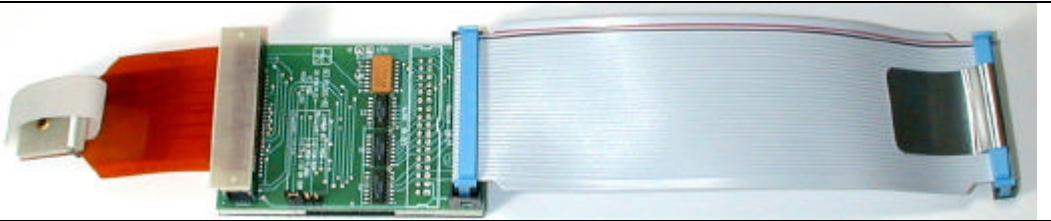
Jumper

**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.**

PLCC Flex Probe - Location of Pin 1



Complete Cable Assembly



Memories Supported

- ❑ Emulates all 32PLcc flash devices and 1M bit and larger Roms like 27C010~080, 28F250~020, 29LV256~040.
- ❑ www.promice.com/memories.htm contains a listing of all memories supported by this cable.

Notes and Precautions

Be sure you have received the correct cable.	The PL32E is intended for use with all flash memory devices, ROMs and EPROMs 128 KByte x 8 and larger. If you are emulating a ROM smaller than 128 KByte, contact Grammar Engine Technical Support.
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 PLCC Flex Probe with care.	Carefully review the flex probe application notes (under the foam in the plastic box) before proceeding. 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.
When removing the PLCC Flex Probe from the socket, do not use chip pullers or screwdriver.	Using only the pull tab, pull the probe straight out of the socket . Twisting or pulling at an angle will damage your socket.

Installation Instructions

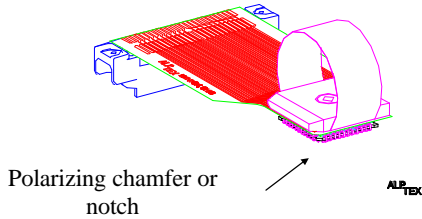
Step	Action	Notes
1.	Verify that you have the correct cable for the memory you are emulating.	If you have the wrong cable, contact Grammar Engine or your distributor for a replacement.
2.	Set the jumpers on adapter board.	Use the information provided in Jumper Settings chart based on the memory you are

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emulating.

**Installation Instructions
(continued)**

Step	Action	Notes
3.	Align Flex Probe and Socket.	Remove the PLCC Flex Probe from its protective case. Locate the "Polarizing Chamfer" or notch on the Flex Probe.
		Locate the notch on the PLCC socket on your target. The Flex Probe <i>must</i> be inserted into the socket so the notch on the probe and the socket are aligned. If you insert the cable in any other orientation, you can damage the socket, the Probe or your PromICE. If you cannot see a notch on the PLCC socket on your target, consult the PLCC cable schematic to determine the correct orientation.
4.	Insert the Flex Probe into the PLCC socket.	With the power to your target OFF, insert the PLCC Flex Probe straight down into the socket on your target. It will "lock into place" when it is correctly seated.
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.)
6.	Connect PromICE.	With the power off to your PromICE, connect the shielded ground plane cable to your PromICE.



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	PL32FP PL32E BD Rev2 34MF-6EXT	32 pin PLCC flex probe (AlpTex #923711-32) Adapter Board 6" Shielded Ground Plane Cable
Accessories	3VA8DC FLEX EXT	3 Volt Adapter 5" Flex Extender for Flex Probe (AlpTex #923727-50)

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Write: Input from the target directly..
Output to PromICE MWR pin.

WRITE SIGNAL CONDITIONING

NOTES:

MAX SIZE: 1MB (P1080)

SUPPORTS: 32 pin PLCCs 1Meg and larger ROMs and all Flash

PROMICE JUMPER SETTING: "32" "EXT"

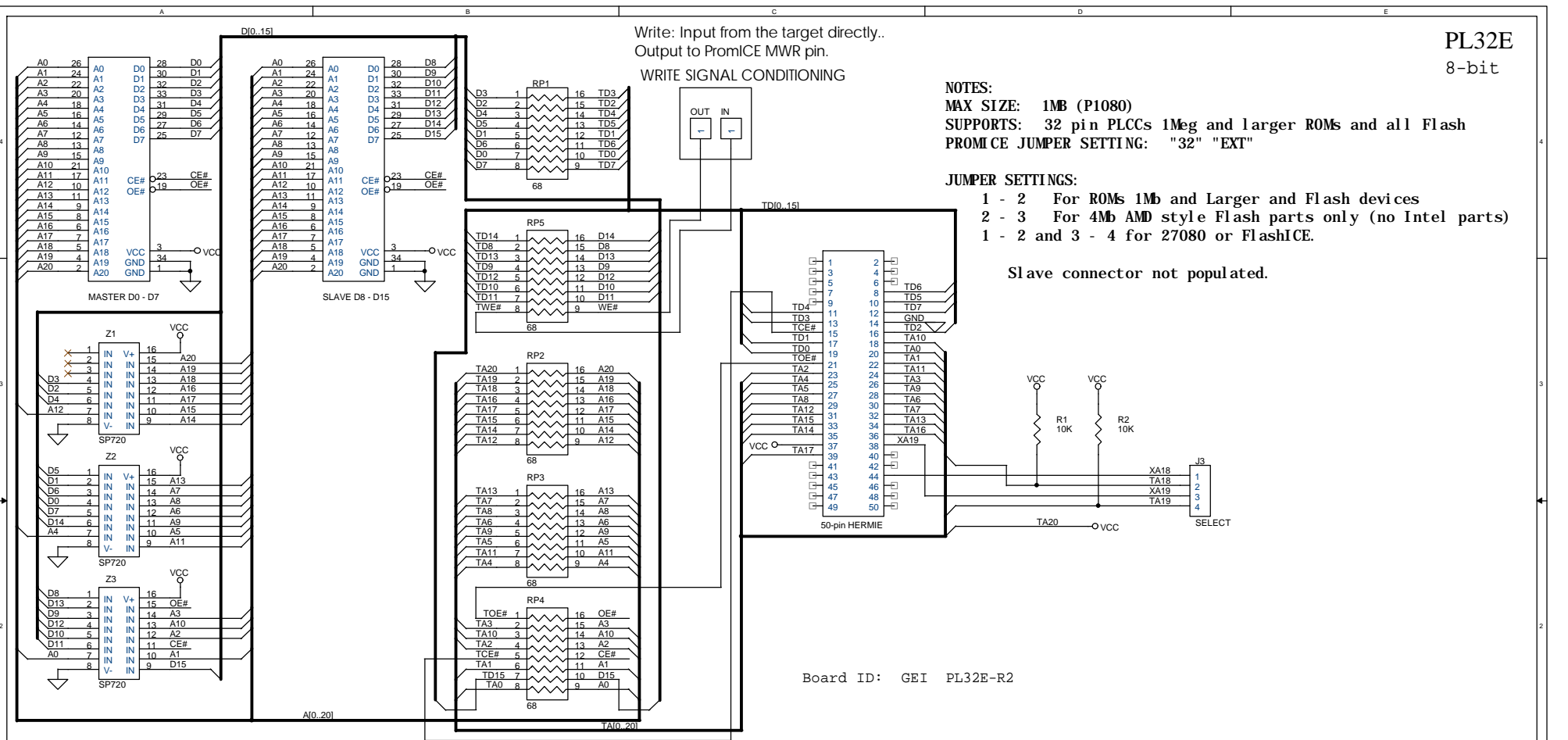
JUMPER SETTINGS:

1 - 2 For ROMs 1Mb and Larger and Flash devices

2 - 3 For 4Mb AMD style Flash parts only (no Intel parts)

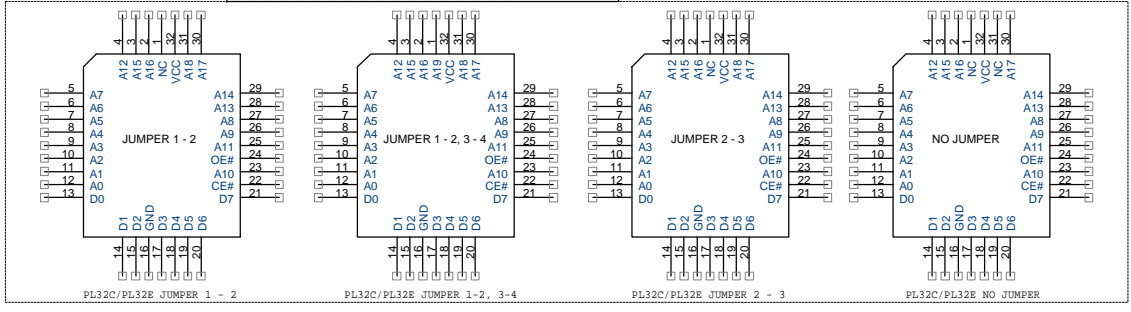
1 - 2 and 3 - 4 for 27080 or FlashICE.

Slave connector not populated.



Board ID: GEI PL32E-R2

DEVICE FOOTPRINTS



Grammar Engine Inc.
 921 Eastwind Drive
 Suite 122
 Westerville OH 43081

Title: PL32E R2

Size: B Document Number: 087-0019 Rev: 2.1

Date: Monday, July 12, 1999 Sheet: 1 of 1