

When looking up the LaunchPad and BoosterPack pinout, TI provides a handy **BoosterPack Checker** website (also linked from Pages → Datasheets):

- <https://dev.ti.com/bpchecker>
  - Select the LaunchPad and BoosterPack (they are in separate tabs on the left)
  - Click **Toggle Connector** such that the BoosterPack is on **Connector #2**.
  - Hover the mouse over the Connector #1 and #2 pins to receive information on the pin function, GPIO port and pin number, and peripheral signal name.

The screenshot shows the TI BoosterPack Checker website interface. The left sidebar lists various BoosterPacks and LaunchPads. The main area shows a compatibility check result of "YES" for the selected combination: Educational BoosterPack MKII (BP1) and EK-TM4C1294XL (LP). The "My Selections" section shows the selected items. The "Connector #1 (40 Pins)" section displays a pinout grid and a "Pin Summary" table. The "Connector #2 (40 Pins)" section also displays a pinout grid and a "Pin Summary" table. Two yellow callouts highlight specific pin functions: "Use for the ADC, PWM, Timers, etc." for pin #31 and "Use only for the BoosterPack" for pin #54.

**BoosterPack Checker** New Open Save About

LaunchPads (5) **BoosterPacks**

Compatibility Checker Add BoosterPack +

Compatible? **YES**

Reason: Selected combination is **Fully Compatible!** [Show Notes]

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My Selections All LP Only TI REX **Toggle Connector (#2)** Buy Now More Info Remove

BP1 Educational BoosterPack MKII

LP EK-TM4C1294XL

**Connector #1 (40 Pins)**

1	21	40	20
2	22	39	19
3	23	38	18
4	24	37	17
5	25	36	16
6	26	35	15
7	27	34	14
8	28	33	13
9	29	32	12
10	30	31	11

**Pin Summary**

Pin: **#31**

Function: **gpio!**

Instance: **PL\_3**

GPIO: **PL\_3**

**Pin Status**

Available

**Connector #2 (40 Pins)**

41	61	80	60
42	62	79	59
43	63	78	58
44	64	77	57
45	65	76	56
46	66	75	55
47	67	74	54
48	68	73	53
49	69	72	52
50	70	71	51

**Pin Summary**

Pin: **#54**

Function: **spisomi**

Instance: **SSI3**

GPIO: **PQ\_3**

**Pin Status**

Available

Use for the ADC, PWM, Timers, etc.

Use only for the BoosterPack