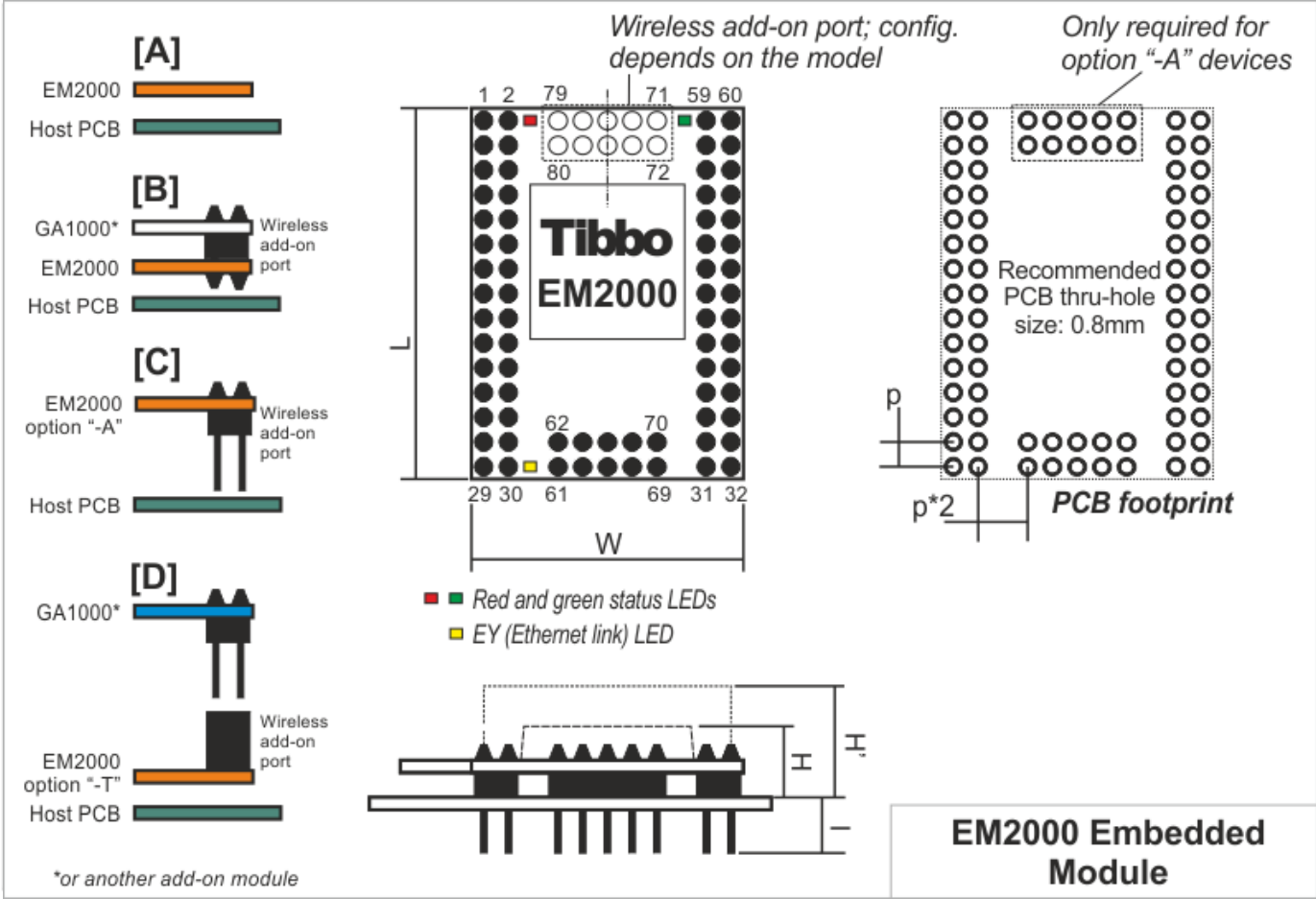


Mechanical Dimensions



Notes:

Standard EM2000 devices do not have a wireless add-on connector (a.k.a. "SPI port") and the "landing" PCB area for the connector is left empty (cross-section A). Compatible wireless add-on modules (such as the [WA2000](#) Wi-Fi module) can optionally be soldered into the connector pads (cross-section B).

Option "-A" EM2000 devices feature a 10-pin wireless add-on header (cross-section C). The pins on this header are identical to all other pins of the EM2000 and face the host PCB. This way the wireless add-on port of the EM2000 can be connected to some other circuitry on the host PCB. For example, instead of mounting onto the EM2000, the WA2000 add-on can be mounted directly onto the host PCB. Option "-A" EM2000 module is then required to facilitate the connection between the EM2000 and the wireless add-on.

Finally, option "-T" devices have a female wireless add-on port connector, which the WA2000 can be plugged into. EM2000 modules of "-T" variety (cross-section D) are intended for convenient testing of wireless modules and are not recommended for use in production devices.

L	Max.	38.4	Module length
W	Max.	28.4	Module width
H	Max.	5.5	Module height
H'	Max.	11.0	Module height with the WA2000 module soldered into the EM2000 module
h	Max.	4	Additional height added by the supercapacitor ("-S" option devices only)
l	Min.	6.0	Lead length
p	Aver.	2.54	Pin pitch

Dimensions are for reference only. Tibbo assumes no responsibility for any errors in this Manual, and does not make any commitment to update the information contained herein.