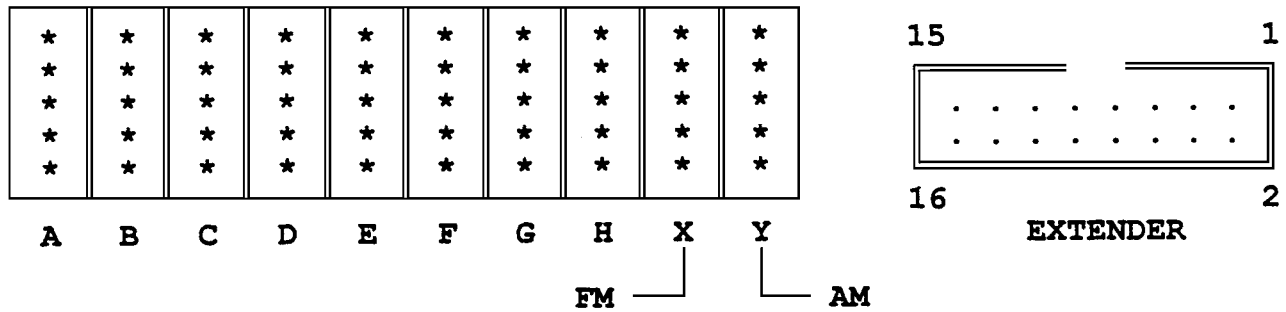


PAD 234 EXTENDER DESCRIPTION



EXTENDER PIN	TIE BLOCK	FUNCTION
1	-	GROUND
2	-	- 12 V
3	-	+ 5 V
4	-	+ 12 V
5	-	CLOCK
6	-	GEN
7	A	-
8	B	-
9	C	-
10	D	-
11	E	-
12	F	-
13	G	-
14	H	-
15	X	FM INPUT
16	Y	AM INPUT

A 16-pin Insulation Displacement Connector (IDC), labeled **EXTENDER** on the top plate of the **PAD 234**, allows ribbon-cable connection to personal computers and other electronic equipment.

The user can supply power, analog, and digital signals to add-on boards via a ribbon cable. The **EXTENDER** has eight uncommitted bidirectional lines which can be easily connected via tie-blocks to the LEDs and switches of the **PAD 234**. Also, add-ons or external equipment can be interfaced to circuits already breadboarded on the trainer.

In addition, the function generator built into the **PAD 234** can be either AM or FM modulated by applying signals to either pins 15 and 16 of the IDC or tie-blocks X and Y. Since pin 15 (FM) is capacitively coupled to the function generator, it may be used as an additional DC-level signal in certain applications.