



Electronics for Model Railroads

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AN-6000-4

EDGE CONNECTORS FOR USE WITH THE TORTOISE™

The **TORTOISE™** Slow Motion Switch Machine has an industry standard spacing for the circuit board extending from the **TORTOISE™** case. Matching circuit board edge connectors are available from a number of sources, and most larger electronic supply houses should be able to order them. Although our instructions indicate that Circuitron would have these available, we have decided not to stock these due to an unacceptably high price that we would have to charge. Costs on these connectors have more than doubled over the last 3 years.

The specifications for the edge connector are as follows:

0.156" center to center spacing

8 or 10 position (although the **TORTOISE™** has only 8 positions on its circuit board, 10 position connectors are much easier to find.)

Single or Double sided connectors will work

Solder Lug (eyelet) style (small loop lugs extending from the connector for you to attach your wires to) is preferred over Printed circuit or wire wrap styles

One excellent source for these connectors is:

DIGI-KEY CORPORATION

701 Brooks Ave. South

P. O. Box 677

Thief River Falls, MN 56701-0677

PHONE: (800) 344-4539 (218) 681-6674

FAX: (218) 681-3380

The part number to order is one of the following parts by EDAC

		1	10	100
EDC 306100-ND	10 Position Single	6.24	57.72	483.60
or (Although physically the same size, for some odd reason the double sided is much less money)				
EDC 305200-ND	10 Position Double	4.80	44.40	372.00
Digi-Key also stocks a part by SULLINS that is less money in quantity				
S3340-ND	Sullins #EBM10DSEH 10 position Double	5.92	47.00	329.00

This part is \$2.44 in 1,000 piece quantities.

Pricing was from Digi-Key's On-Line catalog 08/01/11. They have a free 1500 page catalog, but they do have a small handling charge on small orders.