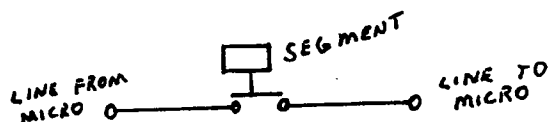


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MATRIX SCORING SYSTEM

A dart hitting the Dart Head Segment momentarily closes a switch contact in the matrix, which shorts two input lines from the Processor together. The equivalent circuit is below.



The lines coming out of the matrix all have a letter designation for specific scores. Check chart "Letter Designation of Scores". The Pin numbers given below are for the target interface board connectors. All connector pins are counted with pin (1) at the bottom of the board. The top connector is a (9) pin, the middle is a (13) pin and the bottom is a (11) pin.

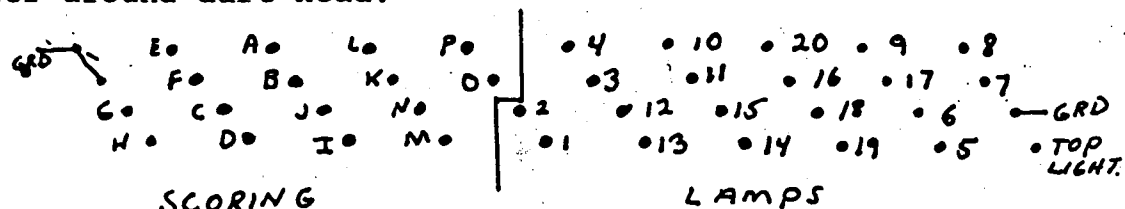
Lines a thru H are found on the top and bottom connectors.

<u>LETTER DESIGNATION</u>	<u>9 PIN</u>	<u>11 PIN</u>
A	4	3+9
B	7	1+10
C	3	5+8
D	5	6
E	9	4+11
F	8	7
G	2	NC
H	1+6	2

Lines I thru P are found on the middle connector.

<u>LETTER DESIGNATION</u>	<u>13 PIN</u>
I	4
J	7
K	3
L	10
M	5, 9 + 12
N	8 + 13
O	6 + 2
P	11 + 1

After the lines come into the target interface board, it runs them down to the (40) pin ribbon cable connector. Pin Designation for target interface side follows and also covers lamp drivers for around dart head.



From the ribbon cable connector the lines go straight to the Micro Processor. They are as follows:

LETTER DESIGNATION

MICRO PIN

A	27
B	28
C	29
D	30
E	31
F	32
G	33
H	34
I	12
J	13
K	14
L	15
M	16
N	17
O	18
P	19

LETTER DESIGNATION OF SCORES

SCORE

SINGLE

DOUBLE

TRIPLE

1	AI	BI	CI
2	AJ	BJ	CJ
3	AK	BK	CK
4	AL	BL	CL
5	AM	BM	CM
6	AN	BN	CN
7	AO	BO	CO
8	AP	BP	CP
9	DI	EI	FI
10	DJ	EJ	FJ
11	DK	EK	FK
12	DL	EL	FL
13	DM	EM	FM
14	DN	EN	FN
15	DO	EO	FO
16	DP	EP	FP
17	GI	HJ	GM
18	GJ	HJ	GN
19	GK	HK	GO
20	GL	HL	GP
BULL		HM	