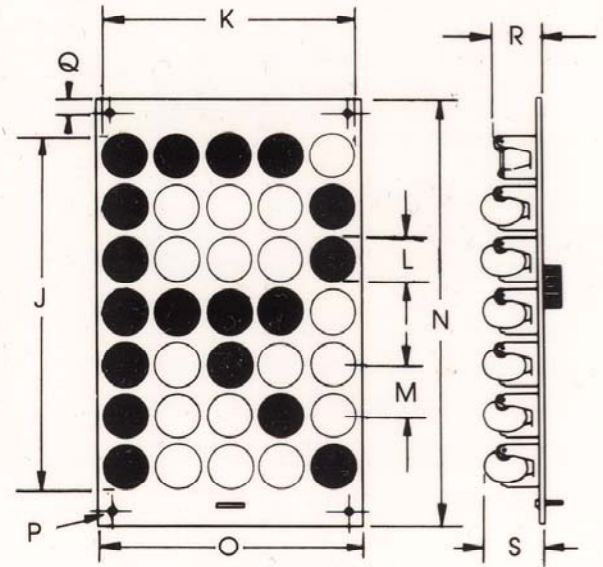


ALPHANUMERIC AND MATRICES

Signalex individual Alphanumerics are bi-stable electromagnetic displays which require only a very short pulse to change position. Inherent latching memory requires no power except during the moment of change. The magnetic design permits operation at 12vdc with a 2 msec. pulse and, at higher voltages, at 1 msec. or less.

The standard 7 by 5 matrix of 35 dots gives full alphanumeric capability, and is available in sizes which can create characters 9", 12", 16", and 18" high. The flexibility of Signalex individual alphanumeric permits the creation of custom displays. In addition to the standard (7 x 5) format, the 28-dot (7 x 4) numeric format, a 23-dot (7-Bar) format, or other desired shapes may be used.

NOTE: Dots may be purchased individually.



670-1872RFR-35BC

35 DOT 7 BY 5 ALPHANUMERIC MATRICES

	Dim. J		Dim. K		Dim. L		Dim. M		Dim. N		Dim. O		Dim. P		Dim. Q		Dim. R		Dim. S	
	Char. Hgt	Char. Width	Dot Dia.	Dot Pitch	Matrix Hgt	Matrix Width	Mtg. Hole	Hole Offset	Thickness	Swing Hgt.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
972RFR-35BC	9	229	6.37	162	1.12	28	1.31	33	11.87	301	6.53	166	.195	5	.25	6	1.80	46	2.07	53
1272RFR-35BC	12	305	8.50	216	1.50	38	1.75	45	15.00	380	8.75	221	.195	5	.50	13	1.80	46	2.25	57
1672RFR-35BC	16	406	11.37	289	2.00	51	2.34	59	19.50	495	11.69	297	.195	5	.50	13	1.80	46	2.54	65
1872RFR-35BC	18	457	12.75	324	2.25	57	2.62	67	21.63	549	13.09	332	.195	5	.50	13	1.80	46	2.66	68

ELECTRICAL DATA

SPECIFICATIONS	972-1872RFR
Pulse Length, Min. @ 12V	2ms
Pulse Length, Min. @ 18V	1ms
Pulse Length, Min. @ 30V	.5ms
Current @ 12V Single Coil	.29 amp
Current @ 12V Bifilar Coil	.58 amp
Type of Coil	Center Tapped Coil with 3 Terminals
DC Res. Center to Each Side	20.5
Maximum Coil Temperature	All Models: 105°C
Operating Temperature Range	All Models: -40C to +90C
Operating Rel. Humidity	All Models: Up To 95% @ +90C*
Standard Colors	All Models: White, Yellow, Red

*Provided No Condensation

ROW CONNECTOR	ROW CONNECTOR
972RFR-35BC	1272-, 1672-, 1872RFR-35BC
Pin -> 1 row 1 reset	Pin -> 1 row 4 reset
2 nc	2 nc
3 row 1 set	3 row 4 set
4 row 2 reset	4 row 3 set
5 row 2 set	5 row 3 reset
6 row 3 set	6 row 2 set
7 row 3 reset	7 row 2 reset
8 row 4 reset	8 row 1 set
9 row 4 set	9 row 1 reset
10 row 5 set	10 row 5 reset
11 row 5 reset	11 row 5 set
12 row 6 reset	12 row 6 reset
13 row 6 set	13 row 6 set
14 row 7 set	14 row 7 reset
15 row 7 reset	15 row 7 set

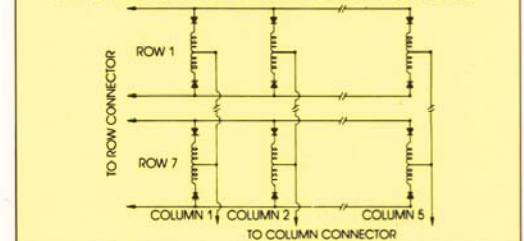
Mating Connector: AMP 2-640622-0 For 26 AWG
 2-640621-0 For 24 AWG
 2-640620-0 For 22 AWG
 Panduit CT100F26-20 For 26 AWG
 CT100F24-20 For 24 AWG
 CT100F22-20 For 22 AWG

NOTE: Header pins are .025" square .100" spacing.

MATRIX CONFIGURATION FOR MODELS 670RFR-35BC THRU 1872RFR-35BC

Coil Addressing	All Models	X-Y Matrix
Ground Polarity	Negative	Negative
Diodes	1N4004	1N4004
PCB Material	FR-4 or Equivalent	

COIL CONFIGURATION FOR 670RFR-35BC THRU 1872RFR-35BC



COLUMN CONNECTOR	COLUMN CONNECTOR
972RFR-35BC	1272-, 1672-, 1872RFR-35BC
Pin -> 1-3 4 5 6	Pin -> 1 2 3 4-6
COLUMN -> 5-4 3 2-1	COLUMN -> 5 4 3 2-1

Mating Column Connector: Panduit "Mas-con" CF156F18-6
Mating Row Connector: Panduit "Mas-con" CF156F18-15

NOTE: Header pins are .045" square .156" spacing.