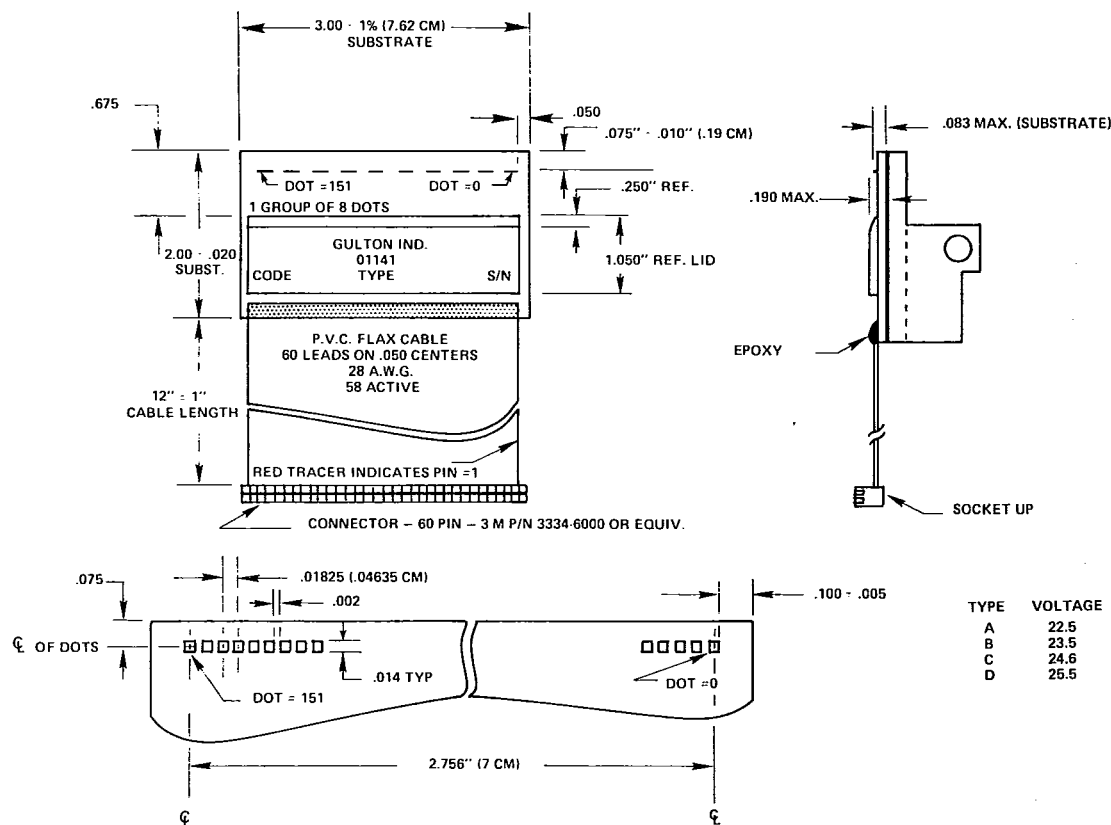




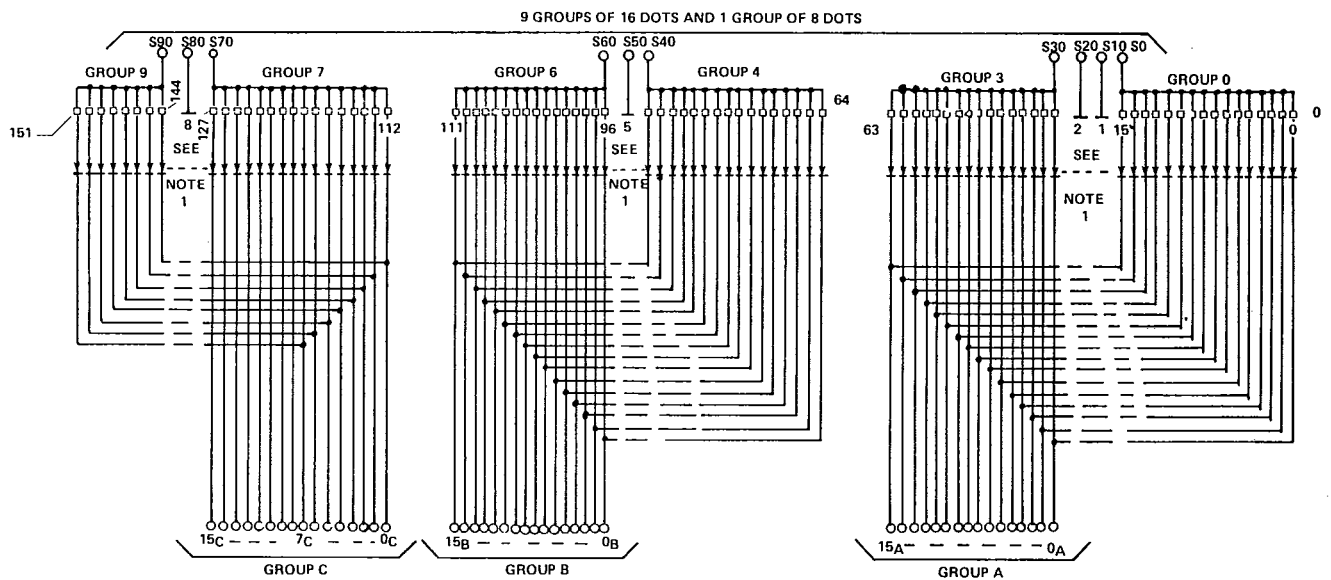
01141 GRAPHICS PRINTHEAD

The 01141 is a linear array of 152 dots across 7 centimeters, a common tracewidth used in fetal monitors. This provides a dot density of 2.17 dots/mm or 55 dots/inch. The array is arranged in three independent sections each with a separate set of 16 dot driver lines, one section being four groups of 16 dots, the second section being three groups of 16 dots, and the third section being two groups of 16 dots and one group of 8 dots. In this way the entire dotrow may be printed in four multiplex pulses. Using one mS pulsewidth, reliable operation at 25 mm/sec has been obtained in fetal monitor application.



NOTES:

- 1 - APPROX. DOT POWER = 1.85 WATTS/DOT AT 5 MS ON 3M 161 PAPER.
- 2 - PRINTING CONDITIONS: PRINTING VOLTAGE = 24 - 2V AT PRINTHEAD TERMINALS.
- 3 - RESISTANCE: NOMINAL R AVG. = 312Ω;
LOWEST ABSOLUTE DOT RESISTANCE = 208Ω;
LOWEST AVG. DOT RESISTANCE = 260Ω;
I MAX = 105 MA/DOT.



NOTES:
 1. DOT DESIGNATION SHOWN AS PRINTED.
 2. DIODES SHOWN AS FORWARD DIRECTION.

TERM	FUNCTION	TERM	FUNCTION	TERM	FUNCTION
1	0A	21	2B	41	2C
2	1A	22	4B	42	3C
3	4A	23	6B	43	5C
4	S ₀ (COMM 1)	24	7B	44	7C
5	5A	25	9B	45	8C
6	7A	26	11B	46	10C
7	9A	27	S ₄₀ (COMM 5)	47	12C
8	13A	28	13B	48	14C
9	S ₁₀ (COMM 2)	29	15B	49	S ₇₀ (COMM 8)
10	15A	30	0B	50	0C
11	3A	31	1B	51	S ₈₀ (COMM 9)
12	6A	32	3B	52	4C
13	10A	33	S ₅₀ (COMM 6)	53	6C
14	14A	34	5B	54	9C
15	S ₂₀ (COMM 3)	35	8B	55	11C
16	2A	36	10B	56	13C
17	8A	37	12B	57	15C
18	11A	38	14B	58	S ₉₀ (COMM 10)
19	12A	39	S ₆₀ (COMM 7)	59	1C
20	S ₃₀ (COMM 4)	40	NC	60	NC