



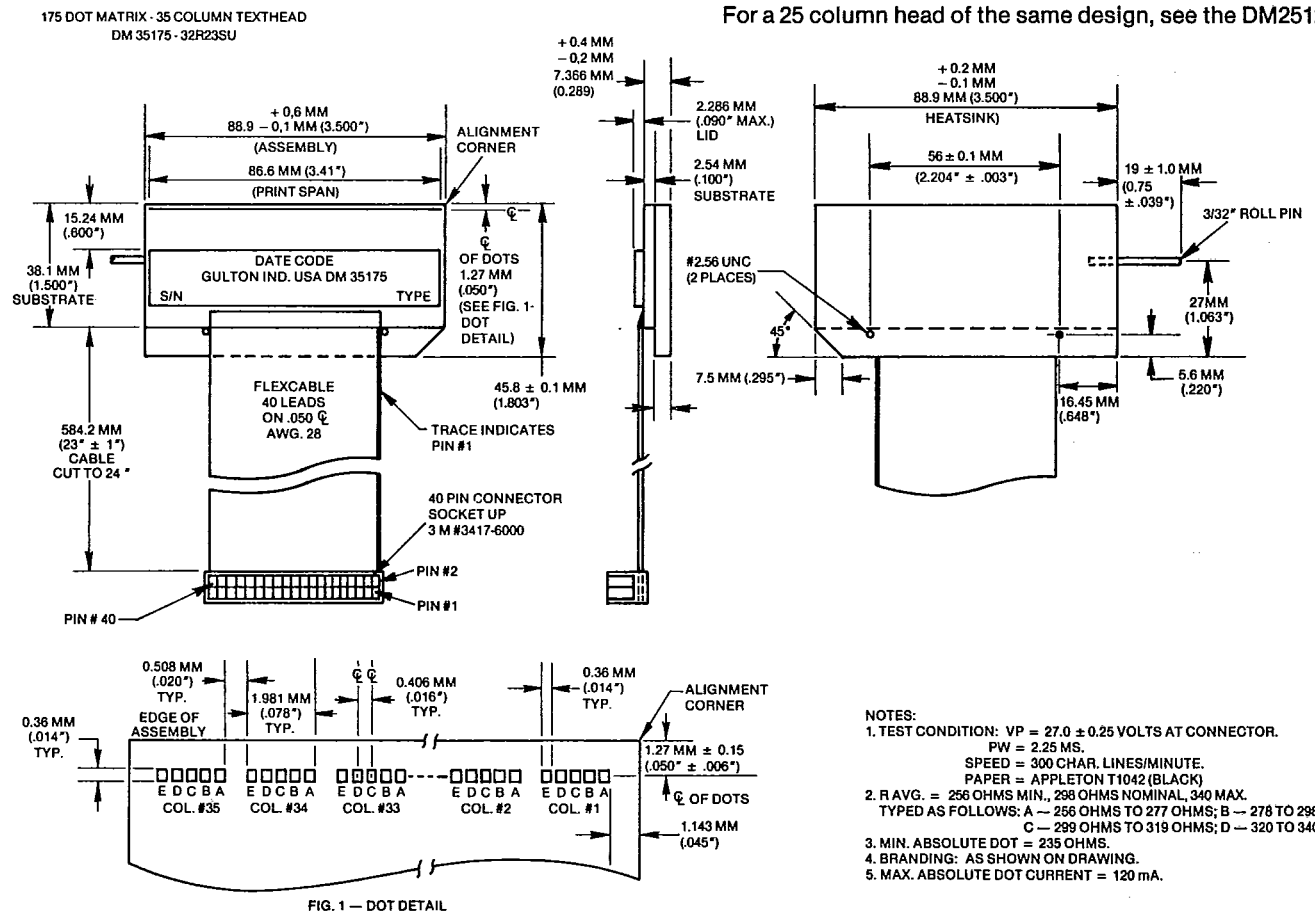
DM35175 35 COLUMN TEXTHEAD

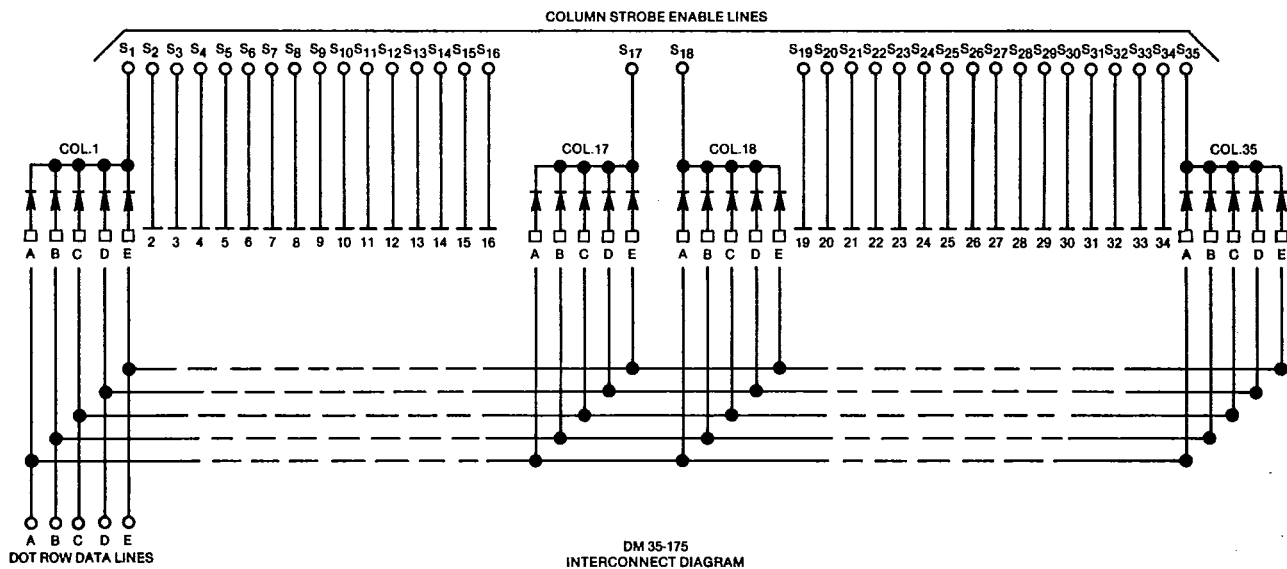
The DM35175 is designed to print 35 columns of 5 × 7 dot matrix alphanumeric characters on standard 0.1" column pitch (10 columns/inch), the same pitch as on the DM20100 and DM2005 20 column textheads. It is organized into 35 groups of 5 dots on 0.016" centers with 0.020" column gaps.

The head is designed for operation from a fixed but tightly regulated print voltage of 27 ± 0.25 volts at 2.25 mS pulse width at the relatively high printing rate of 5 character lines per sec. or 300 character lines per minute of 5 × 7 text. A minimum time before failure (illegible printout or completely missing dot) of 10 million character lines can be expected with the proviso that fresh paper be kept moving over the dot row except for short interruptions.

Because of the fixed print voltage, the user must tolerate the resulting print density variation from the minimum to maximum R avg. head, the amount of which will depend on the sensitivity curve of the paper used. To avoid such density variation, the user could experientially determine the optimum print voltage for each resistor range on the paper of his choice.

For a 25 column head of the same design, see the DM25125.





- NOTES:
1. DOT AND COLUMN DESIGNATIONS SHOWN AS PRINTED, WITH PAPER ADVANCING AWAY FROM THE VIEWER.
 2. DIODES SHOWN AS REVERSE DIRECTION.
 3. PIN OUT AND FUNCTION AS SHOWN ON TABLE "A".

TABLE "A", PIN OUT FUNCTIONS

PIN NO.	SIGNAL	PIN NO.	SIGNAL	PIN NO.	SIGNAL
1	S ₁	15	S ₁₅	29	S ₂₄
2	S ₂	16	S ₁₆	30	S ₂₅
3	S ₃	17	S ₁₇	31	S ₂₆
4	S ₄	18	S ₁₈	32	S ₂₇
5	S ₅	19	A	33	S ₂₈
6	S ₆	20	B	34	S ₂₉
7	S ₇	21	C	35	S ₃₀
8	S ₈	22	D	36	S ₃₁
9	S ₉	23	E	37	S ₃₂
10	S ₁₀	24	S ₁₉	38	S ₃₃
11	S ₁₁	25	S ₂₀	39	S ₃₄
12	S ₁₂	26	S ₂₁	40	S ₃₅
13	S ₁₃	27	S ₂₂	—	—
14	S ₁₄	28	S ₂₃	—	—