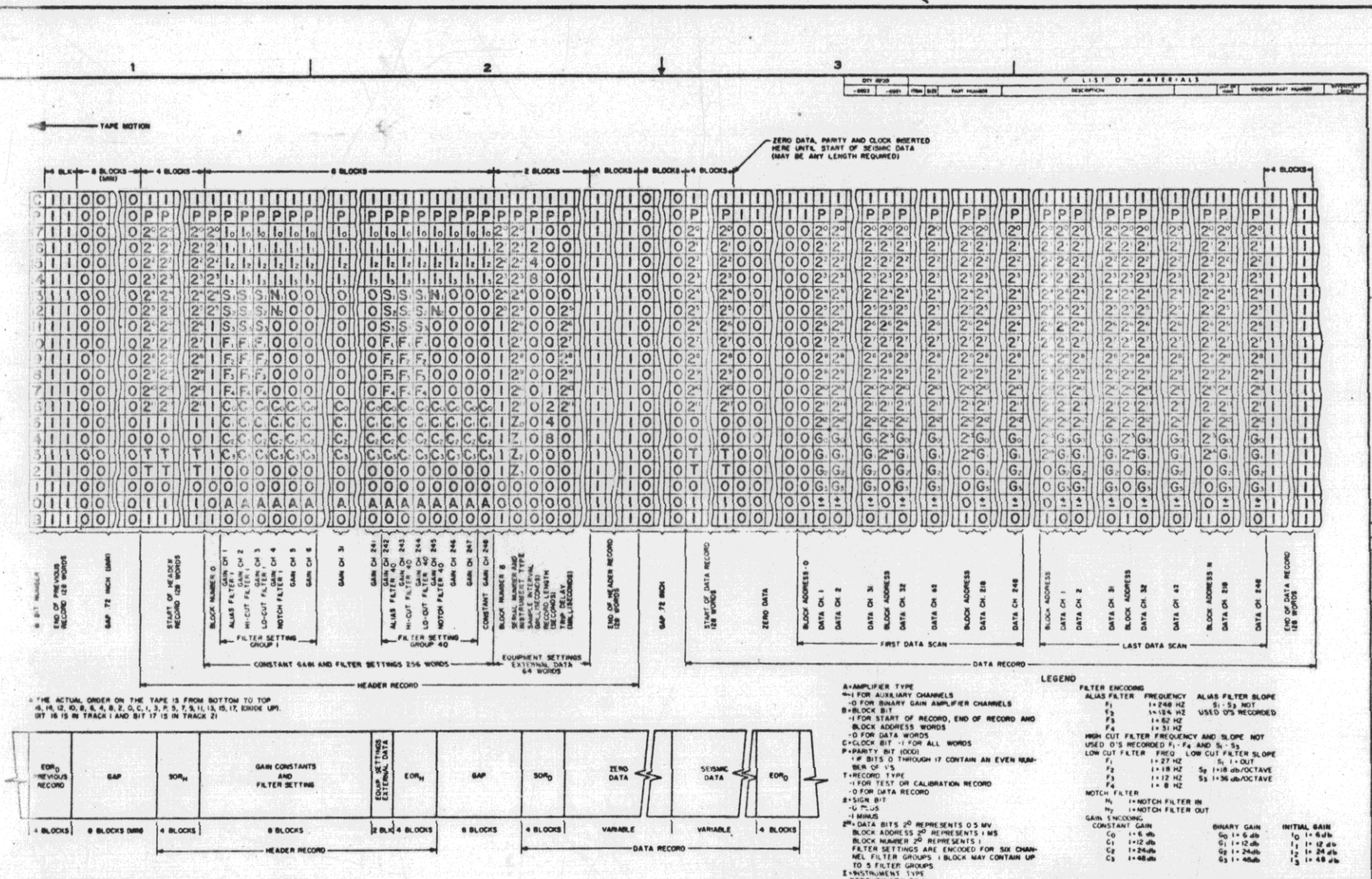
GSI-709

PLATE V



* THE ACTUAL ORDER ON THE TAPE IS FROM BOTTOM TO TOP -6, H, 12, 10, 8, 6, 4, 0, 2, 0, C, 1, 3, P, 5, 7, 9, 11, 13, 15, 17, (ODD# UP). BIT 16 IS IN TRACK 1 AND BIT 17 IS IN TRACK 21

LEGEND

A=AMPLIFIER TYPE
=1 FOR AUXILIARY CHANNELS
=0 FOR BINARY GAIN AMPLIFIER CHANNELS
B=BLOCK BIT
=1 FOR START OF RECORD, END OF RECORD AND BLOCK ADDRESS WORDS
=0 FOR DATA WORDS
C=CLOCK BIT =1 FOR ALL WORDS
P=PARITY BIT (ODD)
* IF BITS 0 THROUGH 17 CONTAIN AN EVEN NUMBER OF 1'S
T=RECORD TYPE
=1 FOR TEST OR CALIBRATION RECORD
=0 FOR DATA RECORD
Σ=SIGN BIT
=0 PLUS
=1 MINUS
2^n= DATA BITS 2^0 REPRESENTS 0.5 MV
BLOCK ADDRESS 2^0 REPRESENTS 1 MS
BLOCK NUMBER 2^0 REPRESENTS 1
FILTER SETTINGS ARE ENCODED FOR SIX CHANNEL FILTER GROUPS. 1 BLOCK MAY CONTAIN UP TO 5 FILTER GROUPS
I=INSTRUMENT TYPE
0000=BINARY GAIN

FILTER ENCODING
ALIAS FILTER — FREQUENCY — ALIAS FILTER SLOPE
F_1 1=248 HZ — S_1-S_3 NOT
F_2 1=124 HZ — USED 0'S RECORDED
F_3 1=62 HZ
F_4 1=31 HZ
HIGH CUT FILTER FREQUENCY AND SLOPE NOT USED 0'S RECORDED F_1-F_4 AND S_1-S_3
LOW CUT FILTER — FREQ — LOW CUT FILTER SLOPE
F_1 — S_1 1=OUT
F_2 1=18 HZ — S_2 1=18 db/OCTAVE
F_3 1=12 HZ — S_3 1=36 db/OCTAVE
F_4 1=8 HZ
NOTCH FILTER
N_1 1=NOTCH FILTER IN
N_2 1=NOTCH FILTER OUT
GAIN ENCODING
CONSTANT GAIN — BINARY GAIN — INITIAL GAIN
C_0 1=6 db — G_0 1=6 db — I_0 1=6 db
C_1 1=12 db — G_1 1=12 db — I_1 1=12 db
C_2 1=24 db — G_2 1=24 db — I_2 1=24 db
C_3 1=48 db — G_3 1=48 db — I_3 1=48 db

PART NO.	SIZE	DRAWING NO.	QTY	DASH NO.	NOMENCLATURE
455	A	223000 9901	REF	9901	

UNLESS OTHERWISE SPECIFIED
DECIMAL .XX ± .01 .XXX ± .010
FRACTIONAL ± 1/64 ANGULAR ± 1°
CONCENTRICITY MACHINED DIAMETERS .004 TIR
ALL DIMENSIONS TO BE MET BEFORE PLATING
REMOVE ALL BURRS AND SHARP EDGES
DO NOT SCALE THIS DRAWING
X DIMENSIONS IN INCHES
SURFACES MARKED ✓ TO HAVE
DRILLED HOLE TOLERANCES
.010 TO .130 ±.002
.130 AND GREATER ±.004

DRAFTSMAN
CHECKED
DESIGN ENGINEER
PROJECT ENGINEER
PROJECT MANAGER

TEXAS INSTRUMENTS INCORPORATED
APPARATUS DIVISION HOUSTON, TEXAS

21 TRACK TAPE FORMAT
SDFS III

SCALE NONE
D 225461
REV A

080050

5 cm