J4
138–324 MHZ
OR
222–408 MHZ
75 OHM INPUT

"r"

RG–59 HEADEND CABLE

A36
AP3FM
3db PAD

A24

1168A SEMIRIGID

J3 SMA

J4 SMA

A24–A1
SUPERBAND BANDPASS FILTER
WITH AMPLIFIER
1509–1107
OR
1509–1201
OR
1509–1109

RG–179

J1 SMA

J2 SMA

RG–188

SMA

J2

J1
"F"

J5–4

J5–3

E1

FL1

J5
2500–2686 MHZ
50 OHM OUTPUT

BNC

RG–142

J2

A26
4 SECTION
BANDPASS FILTER
2140–1033

J1

SMA

A35
SAT–10
10db PAD

RG–188

A37
SAT–3
3db PAD

SMA

UT–141

SMA

I

L

R

SMA

A25
MIXER
ZFM–15–SMA

UT–141

J3
BNC

EXT 10 MHz REF

RG–174

TO A3–J3–3

TO A3–J5–3

TO A3–J10–3

TO A3–J3–4

TO A3–J8–2

TO A3–J8–1

TO A3–J8–9

TO A3–J8–10

20 AWG

+12VDC #1

+12VDC #2

+12VDC #3

+12VDC #4

–12VDC #1

±12V RTN

±12V RTN

±12V RTN

TB3

A

1

8

B

A29 X8 MULTIPLIER
ENCLOSURE 1067–1108
(SEE NOTE 2)

J3–3

J3–4

A29–A1
X8 MULTIPLIER
BOARD
1067–1109

J1

J2

SMA

SMA

RG–188

SMA

J15

J19–5

J19–4

A28
VHF GENERATOR BD
1500–1102
KEYS: J1–2, J19–3,
J20–3, J21–2

J1–3

J1–4

J1–5

J21–1

J21–3

J2
3PIN

3PIN
J3

J21–6

J21–5

2

DS8

1

2

DS7

1

PLL LOCK

PLL
REFERENCE
PRESENT

10 MHz

5 MHz

FL1

E1

FL1

E1

RG–188

UT–141

SMA

A32
AMPL. MODULE
1128–1101

J2

J1

E1 FL1

UT–141

SMA

A34
SAT–3
3dB PAD

SMA

J2

A31
X3 MULTIPLIER
1003–1004

J1

SMA

UT–141

SMA

J2

A30
UHF BANDPASS
1107–1101

J1

SMA

(OPTIONAL) A27

10 MHz OSC
1519–1037
OR
5 MHz OSC
1122–1009

J1

FL1

E1

NOTES:

1) ALL SINGLE WIRE IS 22AWG UNLESS NOTED OTHERWISE

2) A29–A1 IS MOUNTED ON THE BOTTOM OF THE FLIP PLATE.

ADC Telecommunications

REV	ECO	DATE	APV

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MATERIAL

FINISH

TITLE I/C, XLATOR, 715/716/717 (1509–1400)

DWN	SAK	7/14/97	DWG. NO. 1509–8400 REV 1
CHK	BKW	7/18/97	
REL	BKW	7/18/97	D SCALE SHEET 2 OF 2