

COORDINATES (TYP)

1
S

X1

CLOCK SELECTION

SELECTS THE CLOCK INPUT USED TO GENERATE THE AC EXCITATION

INTERNAL
CLOCK

EXTERNAL
CLOCK

INTERNAL CLOCK
IS MASTER

2
3

1
4

2
3

1
4

2
3

1
4

INTERNAL CLOCK IS MASTER WITHIN CHASSIS FOR ALL 497.15'S. (WARNING, THERE SHOULD BE ONLY ONE MASTER PER CHASSIS).

1
0

X2

EXCITATION FREQUENCY

SELECTS THE EXCITATION FREQUENCY BY DIVIDING DOWN THE CLOCK INPUT.

CLOCK

CLOCK

CLOCK

CLOCK

EXCITATION
FREQUENCY:

10KHZ

5KHZ

2.5KHZ

1.25KHZ

4
5

3
6

2
7

1
8

4
5

3
6

2
7

1
8

4
5

3
6

2
7

1
8

4
5

3
6

2
7

1
8

RECOMMENDED
FILTER:

477744-06

477744-05

477744-04

477744-03

NOTE: CHANGING X2 FROM THE "CLOCK-10KHZ" POSITION WILL REQUIRE CHANGING THE DEMODULATOR FILTER, U16.

11
N

J3

AND

1
C

J7

TEST HEADERS

USED FOR TESTING PURPOSES ONLY
(NO JUMPERS SHOULD BE INSTALLED)

6
K

X4

FORWARD LOOP FILTER BYPASS

BYPASS THE OPTIONAL FORWARD LOOP FILTER (J2).

BYPASSED

ENABLED

1
ω

ω

7
G

X5

INNER LOOP COMMAND TYPE

SELECTS WHETHER THE INNER LOOP COMMAND IS A VOLTAGE OR CURRENT INPUT.

VOLTAGE

CURRENT

1
2

1
2

(REQUIRES R62)
I FULL SCALE = $\frac{10V}{R62}$

REVISIONS

DESCRIPTION			LETTER	ECN NO.
DRAWN	ENGR	DATE		

SOURCE/REF
DRAWING:

100-022-056

PROPRIETARY DATA

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DRAWN	CHECK	ENGR	MFG
MWF		KMK	
DATE	DATE	DATE	DATE
4-25-00		4-25-00	

UNLESS OTHERWISE SPECIFIED

MATERIAL DESCRIPTION

MATERIAL SIZE

FINISH

• THREAD DEPTHS ARE TO MIN FULL THDS
• DRILL DEPTHS ARE TO FULL DIA
• REMOVE BURRS AND SHARP EDGES
• DO NOT SCALE PRINT

SCALE
NONE

MACHINED SURFACES
180 ✓

THIRD ANGLE PROJ.

.XXX HOLE SIZE TOLERANCE

0.000 TO .750
+.010/- .002

OVER .750 TO 1.500
+.015/- .003

GENERAL TOLERANCES

ANGLE ±2°
X/4 ±1/4
.XX ±.03
.XXX ±.010

TITLE

497.15B: LOW GAIN:
CONFIGURED: MASTER

NEXT LEVEL

SIZE

NUMBER

REV

PRODUCT CODE

497.15B

D

100-034-510

A

SHEET 1 OF 1

497.15B 3 STAGE VALVE DRIVER - COMPONENT SIDE

0

1

2

3

4

5

6

7

8

9

10

11

12

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

J7

X2

X5

X4

J3

4
5

1
8

2
3

1
4

NOTES:

▲ INDICATES JUMPER/S AS INSTALLED FOR INVENTORY AT MTS.

☒ INDICATES AS CONFIGURED FOR CUSTOMER REQUIREMENT.

▭ INDICATES MINI JUMPER (118613-12).