

## MF-302

### INTERNAL POWER SUPPLY & FRAME

The power supply consists of two parts; the plug-in regulator module, and the power transformer chassis with IEC international power input. The interface between the power transformer and regulator module is a 10' umbilical cord, printed circuit card and 70 pin custom DIN connector. The connector assembly plugs onto the rear of the MF-300 card frame at the card edge connector.

Redundant operation is a simple matter of plugging two PS-302 regulator modules into a frame and their respective transformers onto the rear of the frame with the mounting plate provided. Combining diodes are located on the regulator modules.

#### PS-302 Electrical Performance

**Input:** 110, 120, 220, 240 VAC, 50-60 Hz

140 W Max - IEC Input connector

**Output:**  $\pm 15$  V @ 2 A Continuous, 3 A Peak

+12 V @ 500 mA Continuous

+48 V @ 100 mA Continuous

**Regulation:** Linear regulators for low noise

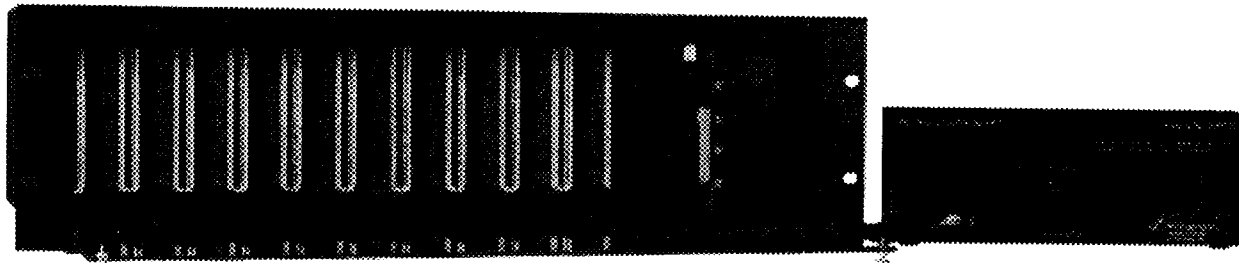
**Ripple and Noise:** <25 mV Typ.

**Redundant Combining:** Built in diodes

#### PS-302 Mechanical Specs

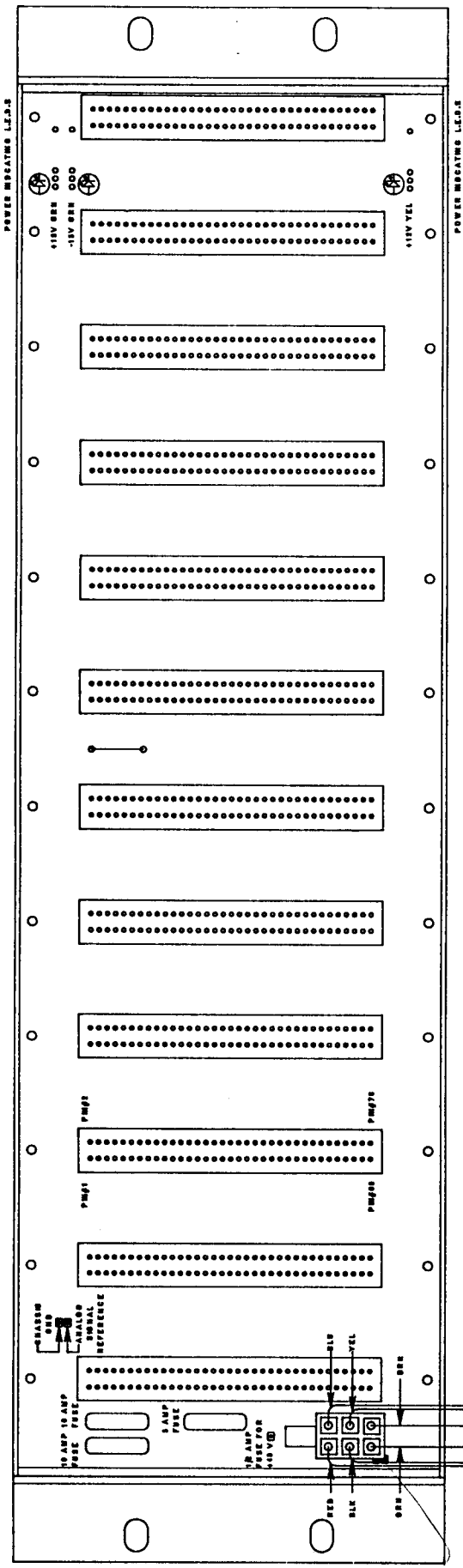
**Module size:** W=220 mm (3.90") x L=100 mm (3.94") Eurocard. Height = 70 mm (2.75")

**Weight:** PS-302 Module 27.8 oz.,



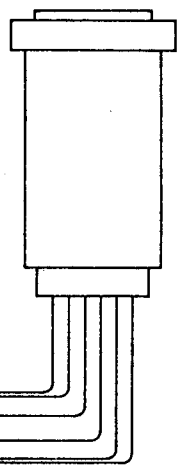
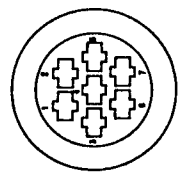
The MF-302 Power Package





REAR VIEW

- PIN 1 N/C
- PIN 2 +115V PHANTOM. (BRN)
- PIN 3 -115V ANALOG. (BLU)
- PIN 4 ANALOG SIGNAL REFERENCE. (BLK)
- PIN 5 +115V ANALOG. (RED)
- PIN 6 DIGITAL SIGNAL REFERENCE. (BRN)
- PIN 7 +115V DIGITAL. (YEL)



*Auth. Buckish*  
 JOHN J. PENFIELD

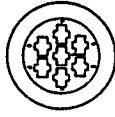
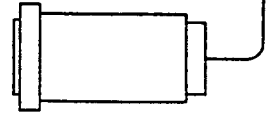
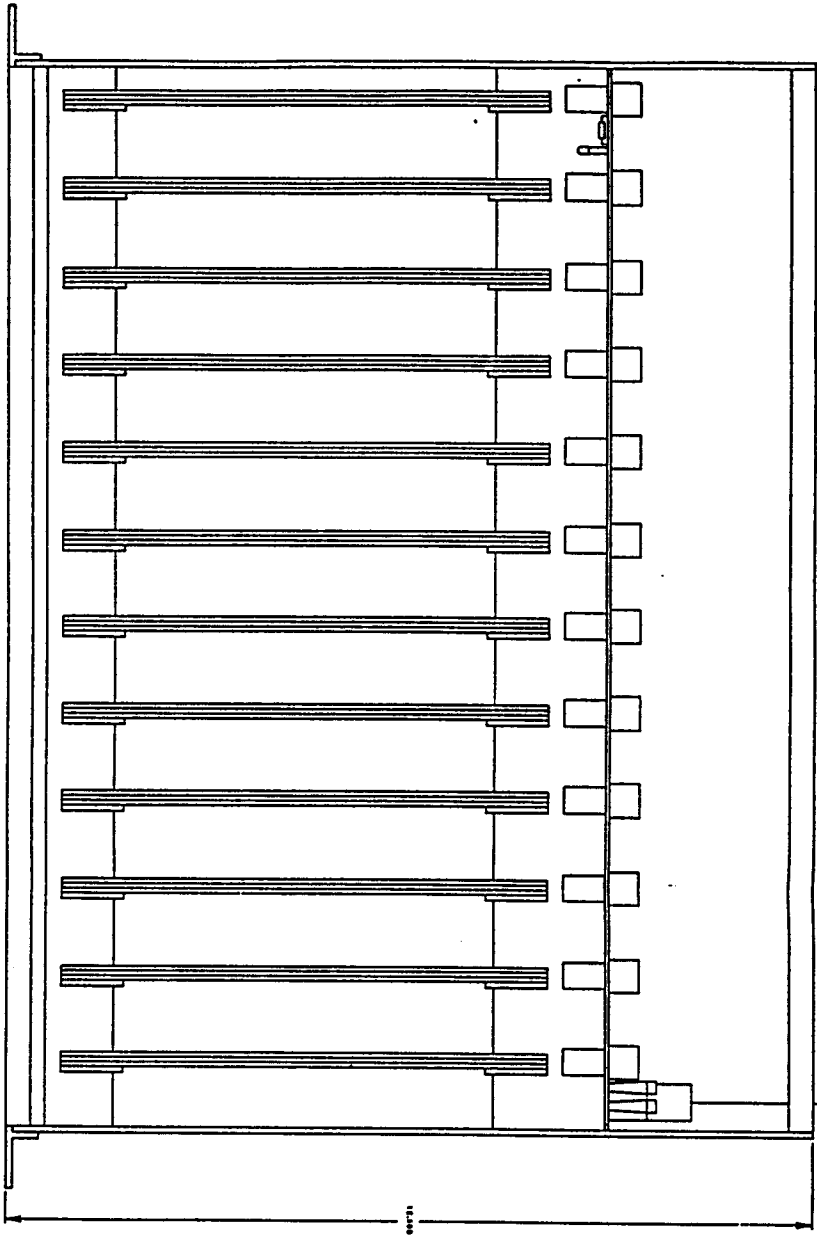
BENCHMARK MEDIA SYSTEMS, INC.

MF-300

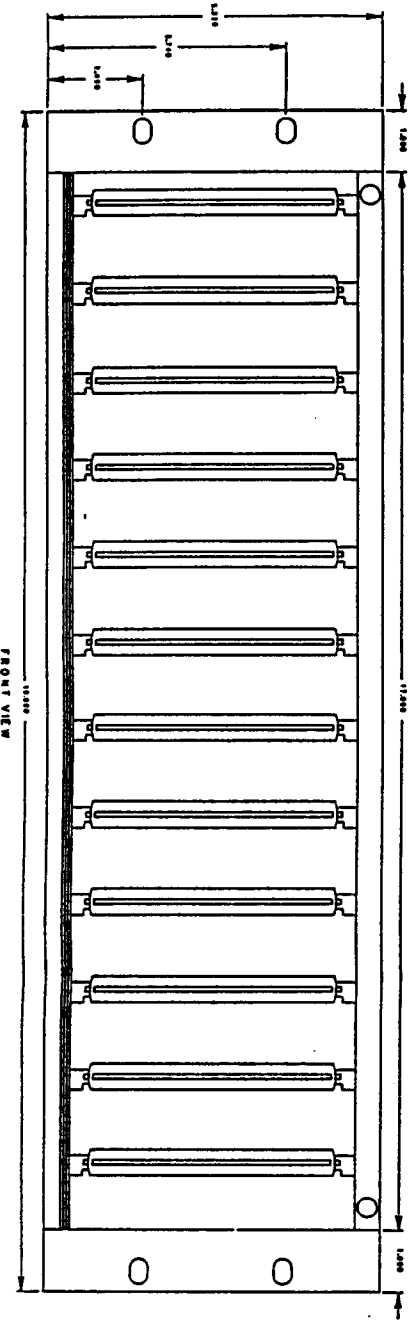
ORDERED	DATE	REV.
	3/20/02	150072
NUMBER	WALLS	SHEET
	BRM-21200-000	3 OF 3



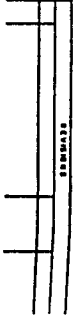
TOP VIEW  
 DRAWING NOT TO SCALE  
 SHOWS MAIN AND SERVICE



- FIG. 1 - MOTOR
- FIG. 2 - MOTOR MOUNTING
- FIG. 3 - MOTOR MOUNTING
- FIG. 4 - MOTOR MOUNTING
- FIG. 5 - MOTOR MOUNTING
- FIG. 6 - MOTOR MOUNTING
- FIG. 7 - MOTOR MOUNTING

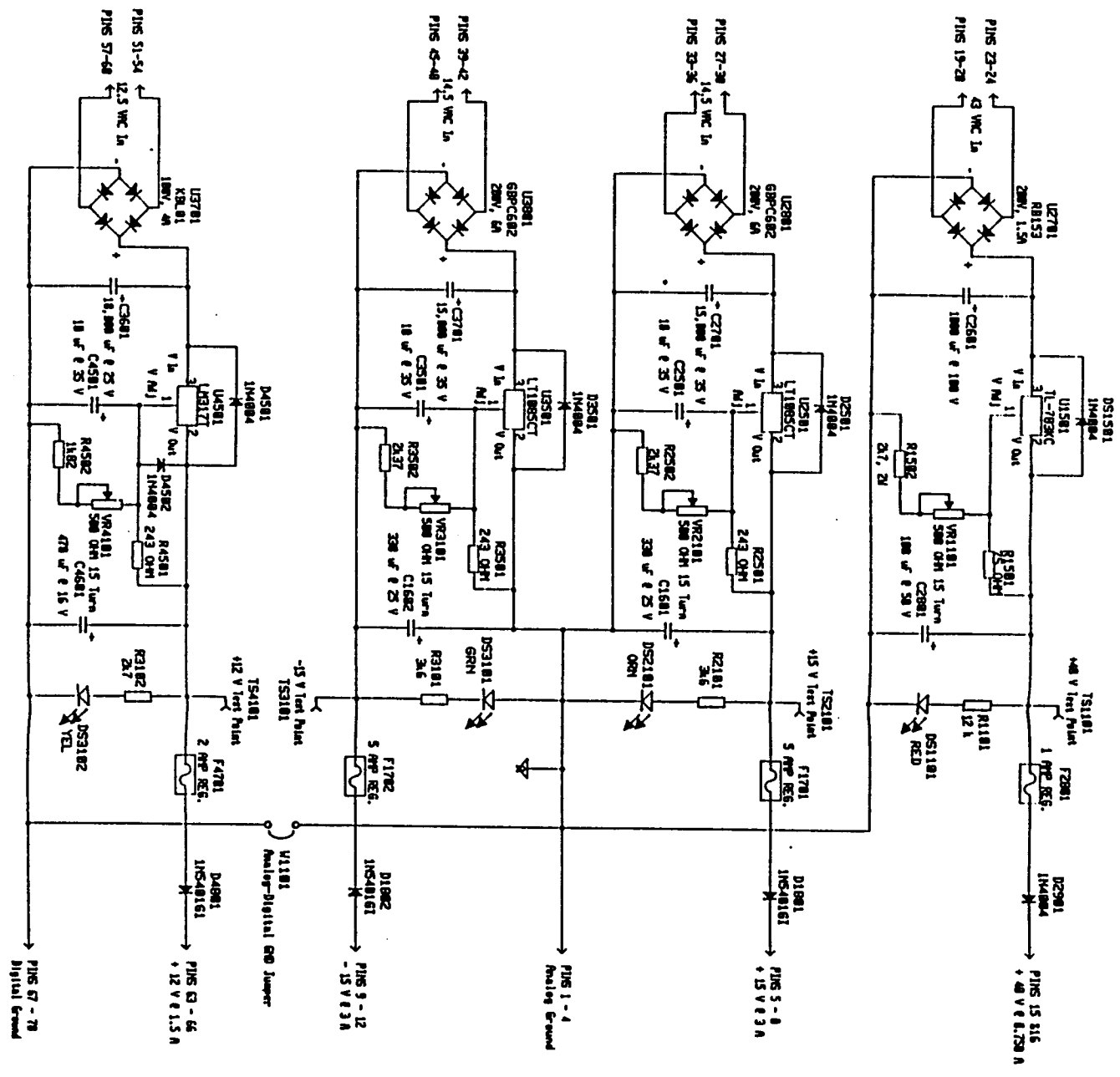


FRONT VIEW



STINCHCOMB WIRE SYSTEMS, INC.	
Model No. 12000	Part No. 12000
Date 1/1/50	Price \$100.00
Order No. 12000-000	Order No. 12000-000
Qty. 1	Total Price \$100.00





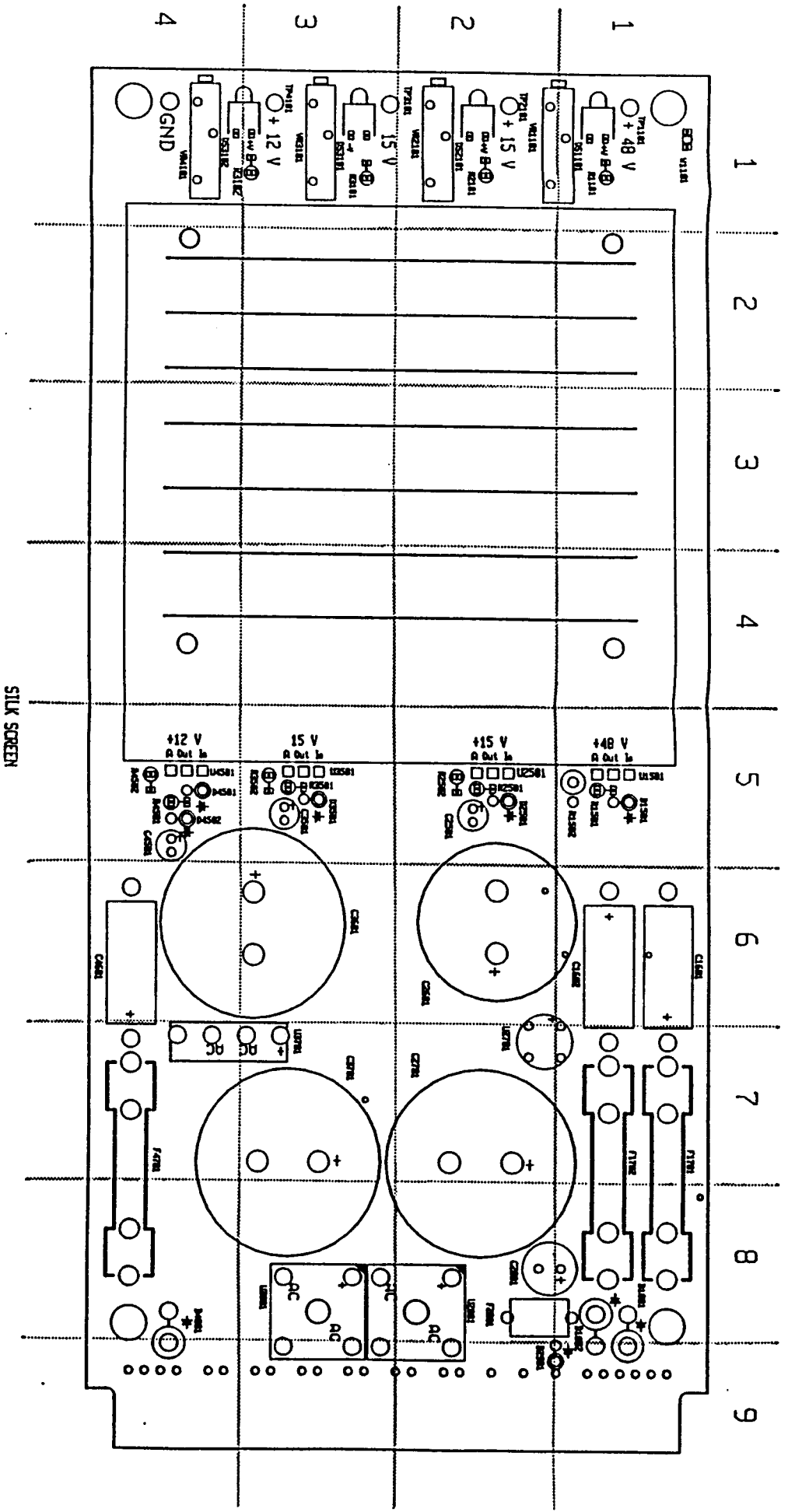
NOTES:  
 1. TRANSFORMER AS SEPARATE EXTERNAL MODULE.

**BENCHMARK MEDIA SYSTEMS, INC.**

**PS-302 Regulator Module**

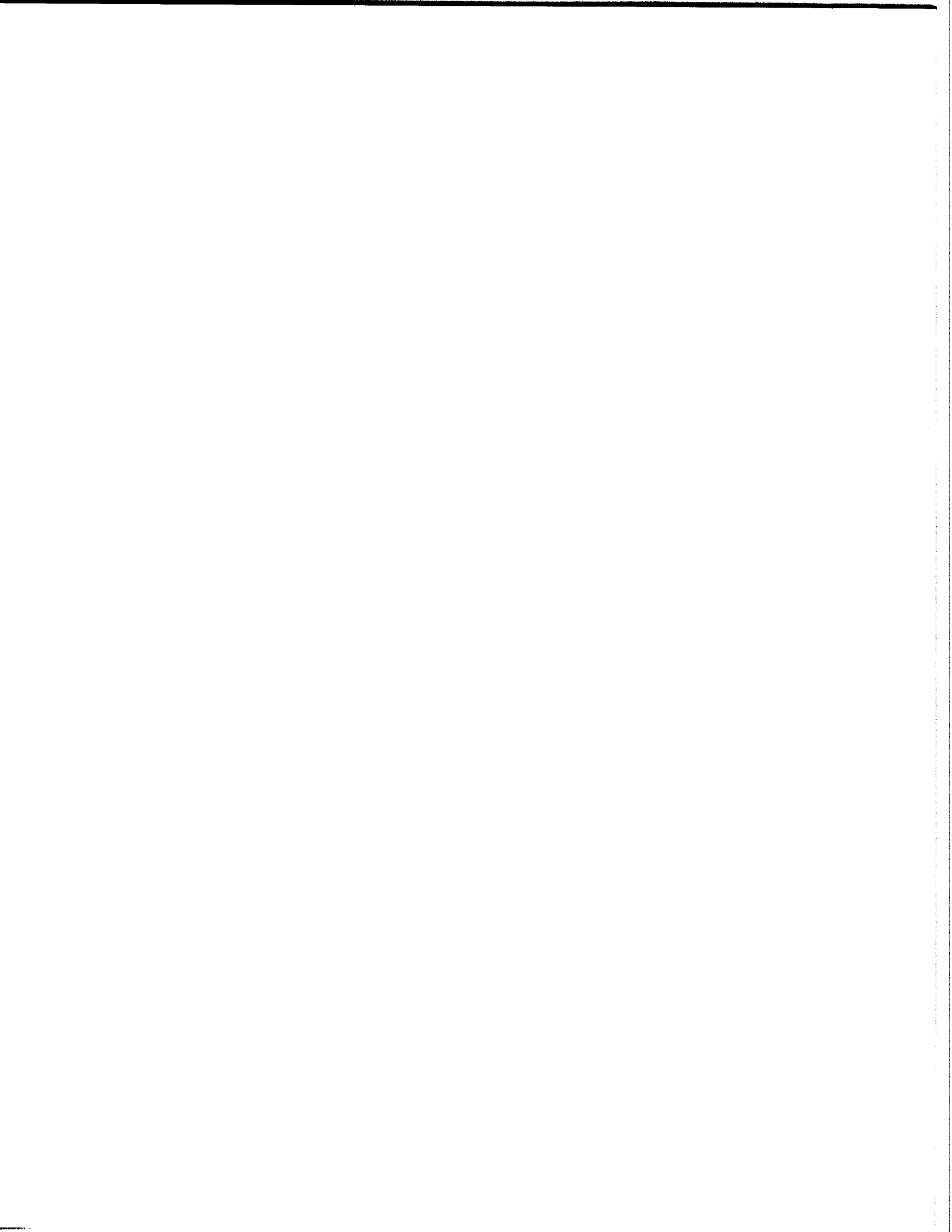
Rev	1	10/15/88	1
Rev	2	11/15/88	1
Rev	3	12/15/88	1
Rev	4	01/15/89	1
Rev	5	02/15/89	1
Rev	6	03/15/89	1
Rev	7	04/15/89	1
Rev	8	05/15/89	1
Rev	9	06/15/89	1
Rev	10	07/15/89	1
Rev	11	08/15/89	1
Rev	12	09/15/89	1
Rev	13	10/15/89	1
Rev	14	11/15/89	1
Rev	15	12/15/89	1
Rev	16	01/15/90	1
Rev	17	02/15/90	1
Rev	18	03/15/90	1
Rev	19	04/15/90	1
Rev	20	05/15/90	1
Rev	21	06/15/90	1
Rev	22	07/15/90	1
Rev	23	08/15/90	1
Rev	24	09/15/90	1
Rev	25	10/15/90	1
Rev	26	11/15/90	1
Rev	27	12/15/90	1
Rev	28	01/15/91	1
Rev	29	02/15/91	1
Rev	30	03/15/91	1
Rev	31	04/15/91	1
Rev	32	05/15/91	1
Rev	33	06/15/91	1
Rev	34	07/15/91	1
Rev	35	08/15/91	1
Rev	36	09/15/91	1
Rev	37	10/15/91	1
Rev	38	11/15/91	1
Rev	39	12/15/91	1
Rev	40	01/15/92	1
Rev	41	02/15/92	1
Rev	42	03/15/92	1
Rev	43	04/15/92	1
Rev	44	05/15/92	1
Rev	45	06/15/92	1
Rev	46	07/15/92	1
Rev	47	08/15/92	1
Rev	48	09/15/92	1
Rev	49	10/15/92	1
Rev	50	11/15/92	1
Rev	51	12/15/92	1
Rev	52	01/15/93	1
Rev	53	02/15/93	1
Rev	54	03/15/93	1
Rev	55	04/15/93	1
Rev	56	05/15/93	1
Rev	57	06/15/93	1
Rev	58	07/15/93	1
Rev	59	08/15/93	1
Rev	60	09/15/93	1
Rev	61	10/15/93	1
Rev	62	11/15/93	1
Rev	63	12/15/93	1
Rev	64	01/15/94	1
Rev	65	02/15/94	1
Rev	66	03/15/94	1
Rev	67	04/15/94	1
Rev	68	05/15/94	1
Rev	69	06/15/94	1
Rev	70	07/15/94	1
Rev	71	08/15/94	1
Rev	72	09/15/94	1
Rev	73	10/15/94	1
Rev	74	11/15/94	1
Rev	75	12/15/94	1
Rev	76	01/15/95	1
Rev	77	02/15/95	1
Rev	78	03/15/95	1
Rev	79	04/15/95	1
Rev	80	05/15/95	1
Rev	81	06/15/95	1
Rev	82	07/15/95	1
Rev	83	08/15/95	1
Rev	84	09/15/95	1
Rev	85	10/15/95	1
Rev	86	11/15/95	1
Rev	87	12/15/95	1
Rev	88	01/15/96	1
Rev	89	02/15/96	1
Rev	90	03/15/96	1
Rev	91	04/15/96	1
Rev	92	05/15/96	1
Rev	93	06/15/96	1
Rev	94	07/15/96	1
Rev	95	08/15/96	1
Rev	96	09/15/96	1
Rev	97	10/15/96	1
Rev	98	11/15/96	1
Rev	99	12/15/96	1
Rev	100	01/15/97	1

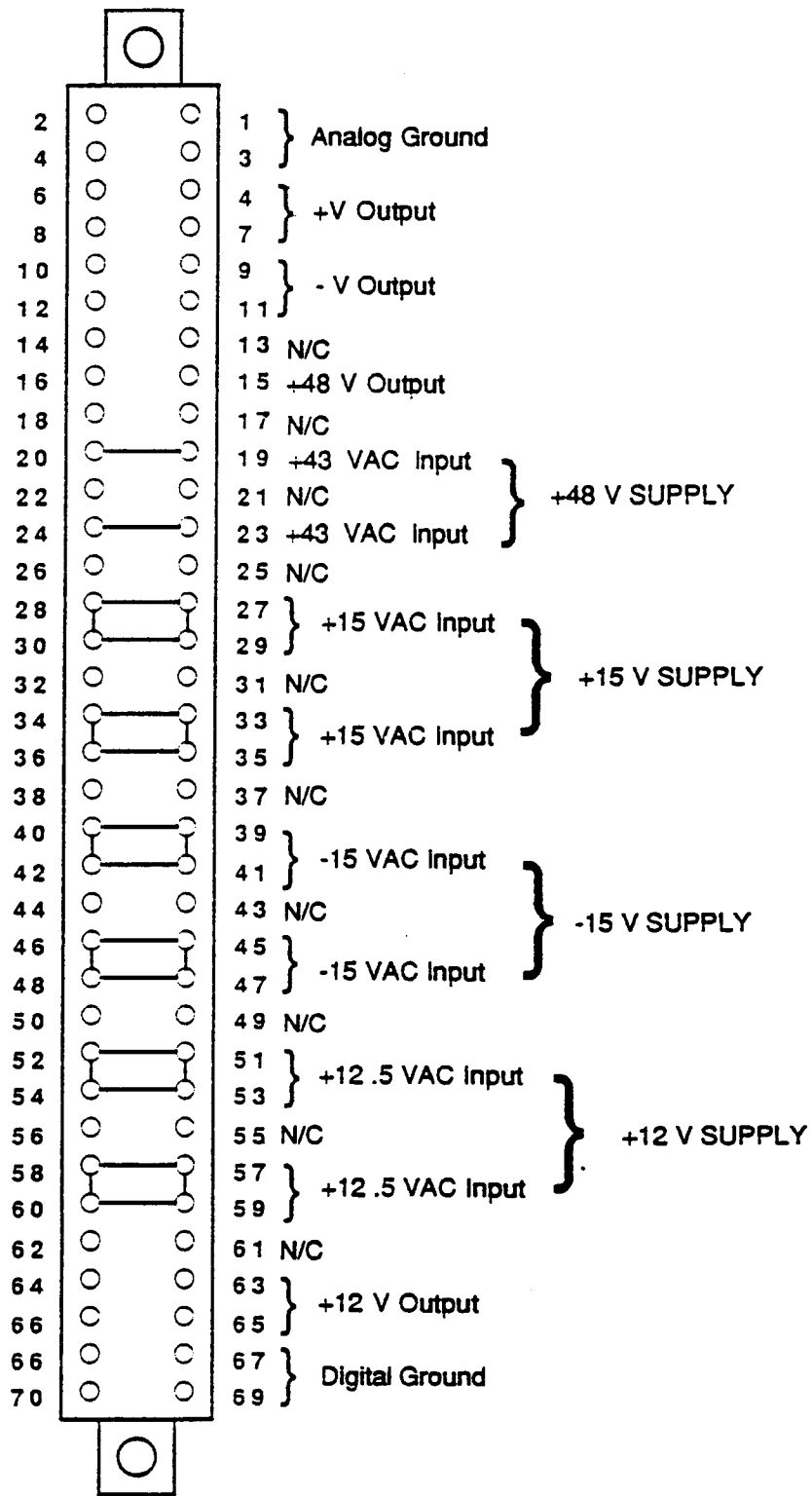




NOTES:  
1. ALL DIODES ARE MOUNTED WITH CATHODE DOWN.

BENCHMARK MEDIA SYSTEMS, INC.  
 P5-302  
 SCALE 1X  
 DATE 4/1/78  
 PCP# 300-86385-000  
 R. FREDSON  
 W.H. Swartz  
 Part No. 450106





**Card Edge Connector for PS-302**

Date: 7/1/92	Approved by: <i>[Signature]</i>	Drawn by: RDF
Scale: NTS		
		Drawing Number: <b>350056</b>

