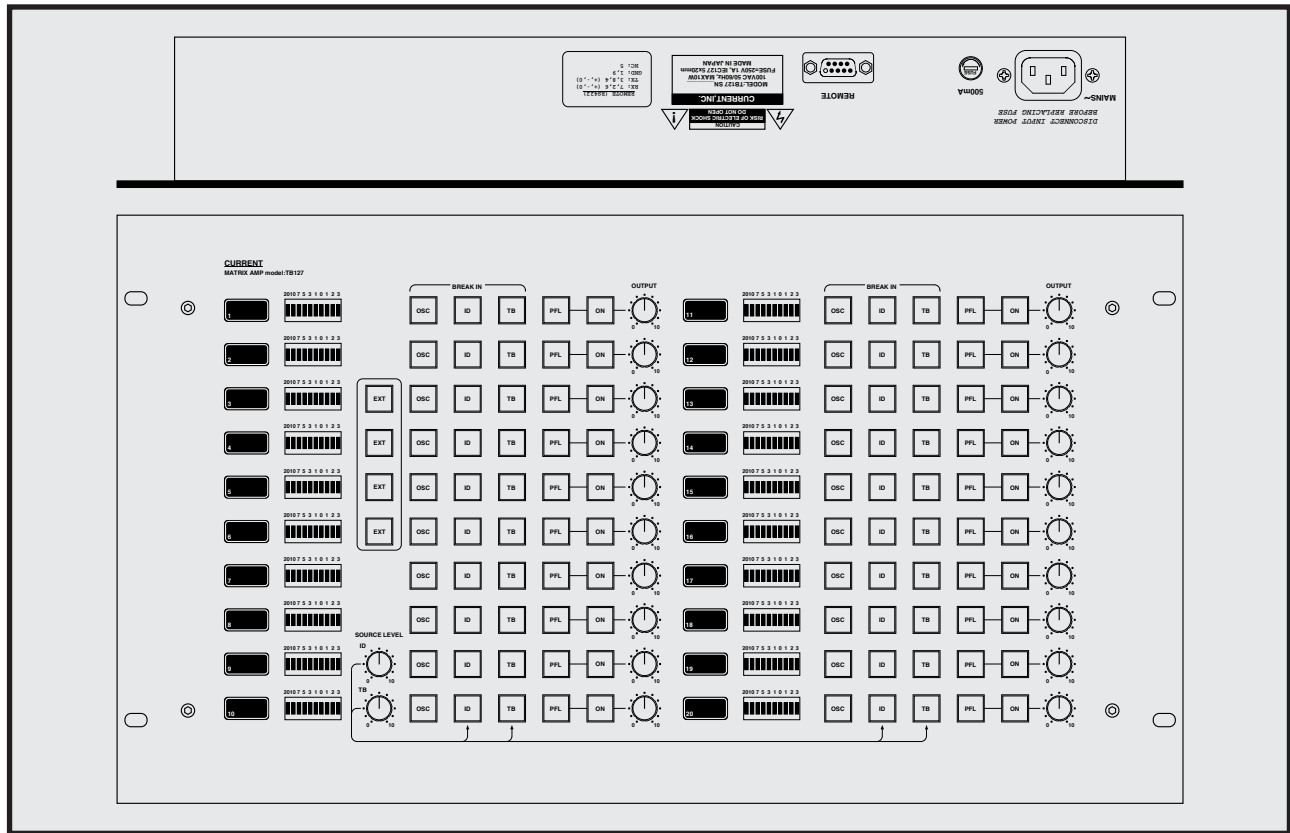
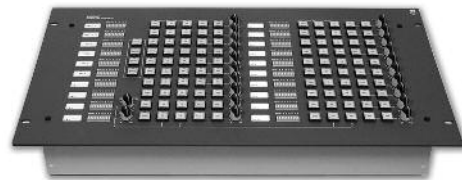


# CURRENT PRODUCTS model:TB127

## MATRIX AMP



5x20 matrix amplifier  
 Meter output  
 Compact remote unit  
 OSC built-in  
 PFL output  
 Output meter  
 External switch-over input



**TB127 is a matrix amplifier configured with input 5 and output 20.**  
**The high visibility panel design allows that it does operation and the confirmation that are in a state quickly. It is most suitable for the matrix construction of the general audio and income system.**

### "Source"

It can choose the main line and 4 sources. It can switch 3, 4, 5 and 6 to input other with 4 sources. When it switched on the ON button of the output, it is recalled.

### "Output"

The chosen source is mixed and is output via output level control. By an output level knob, it is adjustable in the range of infinity to 0dB. When the ON button of the output powered up, it is recalled. In addition, it provides the output to connect external PFL speaker.

### "Meter"

It implements 10 points of VU scale level meters to monitor the matrix output.

### "Connection"

A main frame and the remote unit are connected with a serial cable of RS422. The remote unit of a compact shape allows that it mounts it behind consoles easily.

### "Others"

The change of each channel name and button name is possible with an option. In addition, please refer about the manufacturing of the matrix amplifier of different specifications.

## SPECIFICATIONS

### MAIN UNIT

- 🍏 **SOURCE INPUTS:** Main Source+4 and Ext Input for 3,4,5,6
- 🍏 **INPUTS IMPEDANCE:** BALANCED, 24k $\Omega$
- 🍏 **INPUTS LEVEL:** REF=+4dBu, MAX=+24dBu
- 🍏 **INPUTS CONNECTOR:** Dsub9-F(#4-40)
- 🍏 **MATRIX OUTPUTS:** 20
- 🍏 **OUTPUTS IMPEDANCE:** BALANCED 50 $\Omega$
- 🍏 **OUTPUTS LEVEL:** REF=+4dBu, MAX=+24dBu
- 🍏 **OUTPUTS CONNECTOR:** Dsub9-M(#4-40)
- 🍏 **REMOTE CONNECTOR:** Dsub9-F(#4-40)
- 🍏 **FREQUENCY RESPONSE:** 20Hz~20kHz  $\pm$ 0.1dB
- 🍏 **THD:** < 0.03% at 1kHz REFERENCE LEVEL
- 🍏 **OSC CONTROL CONNECTOR:** Dsub15-F(#4-40)
- 🍏 **MAINS:** 100VAC 50/60Hz, 40W MAX
- 🍏 **DIMENSIONS:** 482Wx88Hx303D, 6kg

### REMOTE UNIT

- 🍏 **REMOTE CONNECTOR:** Dsub9-F(#4-40)
- 🍏 **MAINS:** 100VAC 50/60Hz, 10W MAX
- 🍏 **DIMENSIONS:** 482Wx266Hx68D, 4kg

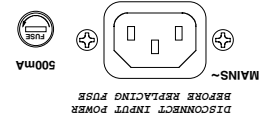
Matrix amp	TB127	¥3,840,000
accessory : AC cable		

The specifications are subject to change without notice.  
 2-26-11 AKATSUTSUMI, SETAGAYA-KU, TOKYO, 156-0044 JAPAN

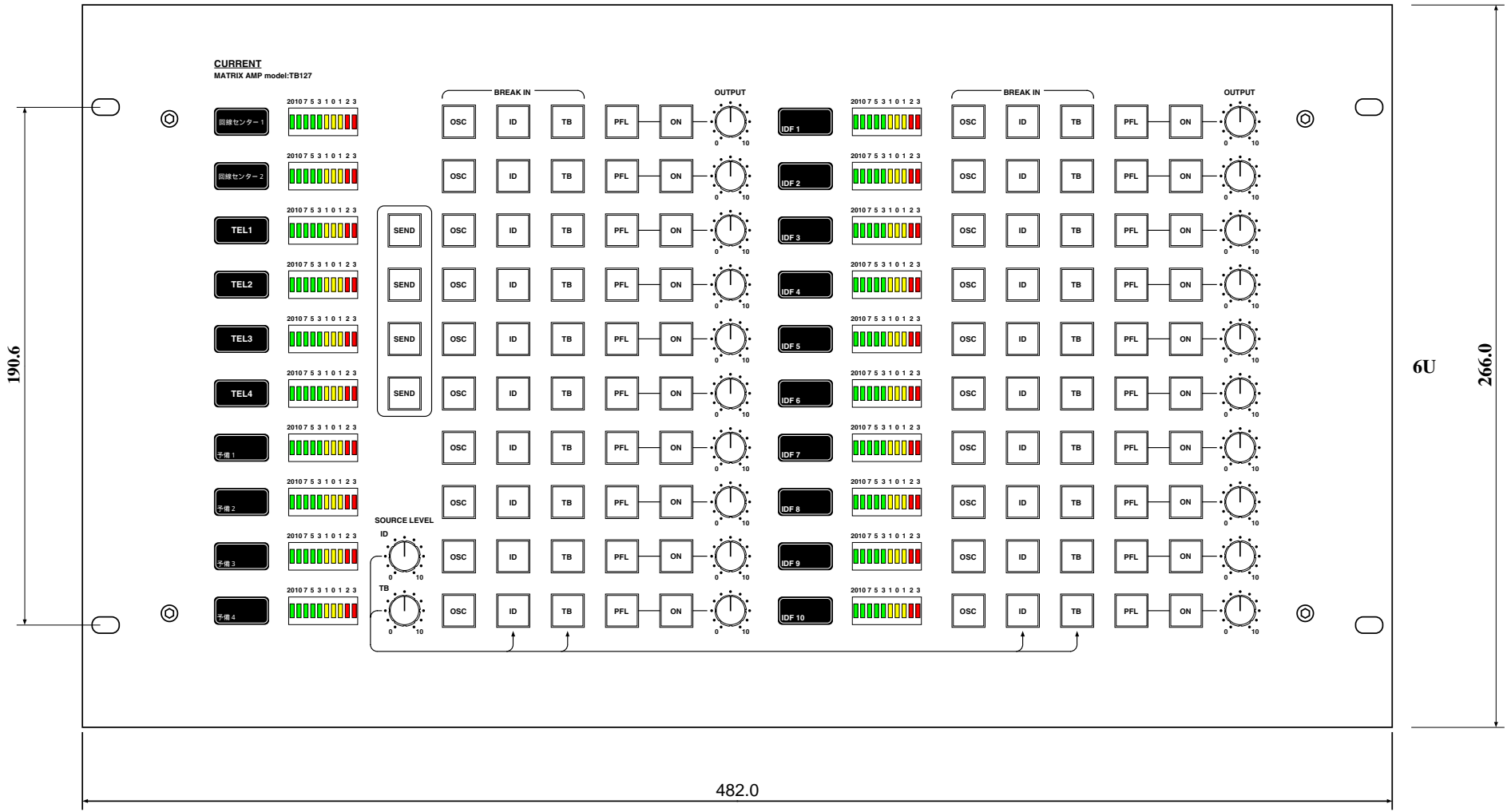
MONITOR SYSTEM  
 HEADPHONES AMP  
 CUE SYSTEM  
 COMMUNICATION  
 TB, COUGH SYSTEM  
 MATRIX AMP  
 AUDIO ROUTER  
 AUDIO VIDEO  
 SWITCHER  
 SYSTEM SWITCHER  
 EMERGENCY  
 AUDIO VIDEO  
 DISTRIBUTOR  
 METER SYSTEM  
 ANALOG, DIGITAL  
 PREAMP MIXER  
 LEVEL UNIT  
 DIGITAL AUDIO  
 FADER UNIT  
 AUTO FADER  
 TALLY FADER  
 CLOCK TIMER  
 EVENT SYSTEM  
 SPECIAL PRODUCTS  
 ETC.

REMOTE (R8422)  
 2K $\times$  7.2 $\times$  6 (4 $\times$ 1 $\times$ 0)  
 TK: 3.8 $\times$  4 (4 $\times$ 1 $\times$ 0)  
 DIM: 1.9  
 MCL: 5  
 MADE IN JAPAN

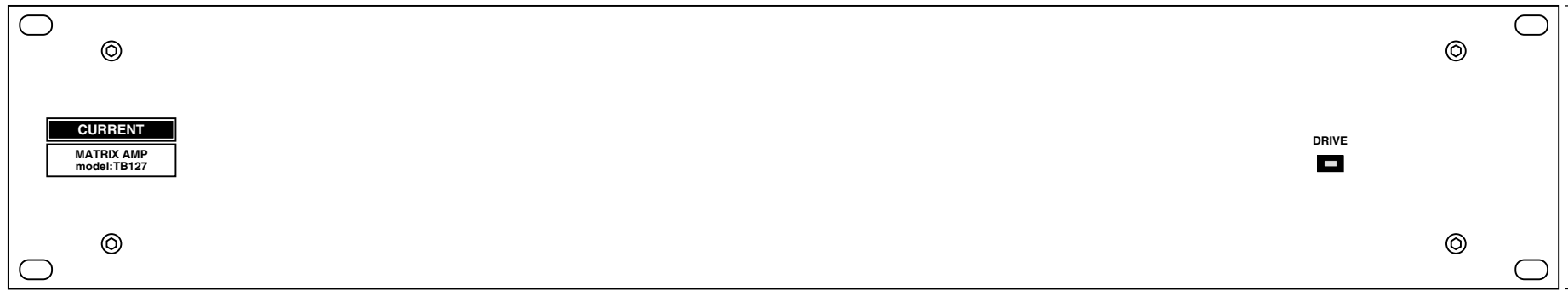
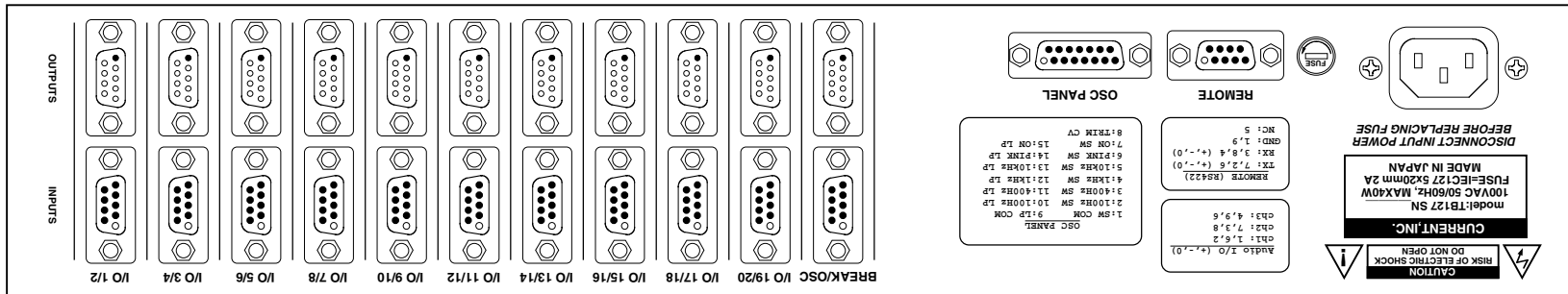
**CURRENT INC.**  
 MODEL: TB127 SN  
 FUSE=250V 1A IEC171 5X20mm  
 100VAC 50/60HZ MAX10W  
 RISK OF ELECTRIC SHOCK  
 CAUTION DO NOT OPEN



65.0  
68.0



(c)CURRENT,INC.	<b>N-1 MATRIX TB127</b>	May.2005
H.ICHIHASHI	<b>N-1 PANEL</b>	TB127-RD

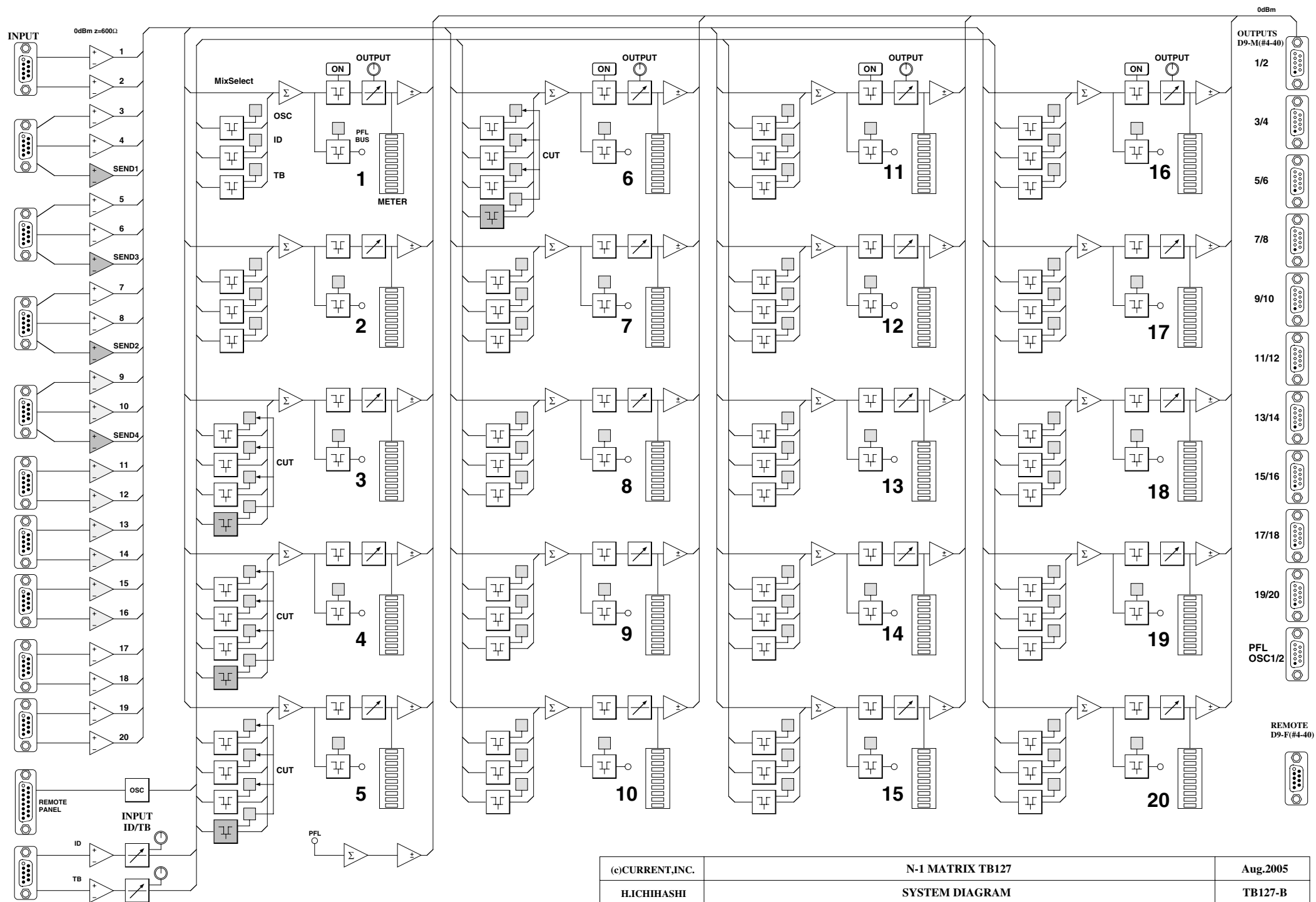


302.6

88.0

482.0

©CURRENT,INC.	N-1 MATRIX TB127	Aug.2005
H.ICHIHASHI	PANEL DIAGRAM	TB127-D



(c)CURRENT,INC.	N-1 MATRIX TB127	Aug.2005
H.ICHIMASHI	SYSTEM DIAGRAM	TB127-B

Powered by ClaricCad

# "TB127" Connector Pin List 1

<b>"AUDIO INPUTS 1/2" D9-F(#4-40)</b>				
<b>Ribbon</b>	<b>Hard</b>	<b>Signal name</b>	<b>Designation</b>	<b>Active</b>
1	1	IN 1+	AUDIO INPUT 1+	
2	6	IN 1-	AUDIO INPUT 1-	
3	2	GND	AUDIO INPUT 2+	
4	7	IN 2+	AUDIO INPUT 2-	
5	3	IN 2-	GND	
6	8	GND	GND	
7	4	IN 3+	SEND INPUT + (3/4, 5/6, 7/8, 9/10のみ)	
8	9	IN 3-	SEND INPUT - (3/4, 5/6, 7/8, 9/10のみ)	
9	5	GND	GND	

<b>"AUDIO OUTPUTS" D9-M(#4-40)</b>				
<b>Ribbon</b>	<b>Hard</b>	<b>Signal name</b>	<b>Designation</b>	<b>Active</b>
1	1	OUT 1+	AUDIO OUTPUT 1+	
2	6	OUT 1-	AUDIO OUTPUT 1-	
3	2	GND	GND	
4	7	OUT 2+	AUDIO OUTPUT 2+	
5	3	OUT 2-	AUDIO OUTPUT 2-	
6	8	GND	GND	
7	4			
8	9			
9	5	GND	GND	

<b>"BREAK INPUTS" D9-F(#4-40)</b>				
<b>Ribbon</b>	<b>Hard</b>	<b>Signal name</b>	<b>Designation</b>	<b>Active</b>
1	1	ID +	ID INPUT +	
2	6	ID-	ID INPUT-	
3	2	GND	GND	
4	7	TB+	TB INPUT+	
5	3	TB-	TB INPUT-	
6	8	GND	GND	
7	4			
8	9			
9	5	GND	GND	

Dサブコネクタの接続はHARDピン番号で接続してください。取付ビスは#4 - 40インチビスを使用して下さい

**CAUTION! D-Connector for wiring refer toHard pin number Description. Mounting screw for D-connector use #4-40 size.**

## "TB127" Connector Pin List 2

"PFL/OSC OUTPUTS" D9-M(#4-40)				
Ribbon	Hard	Signal name	Designation	Active
1	1	PFL+	PFL OUTPUT+	
2	6	PFL-	PFL OUTPUT-	
3	2	GND	GND	
4	7	OSC1+	OSC1 OUTPUT+	
5	3	OSC1-	OSC1 OUTPUT-	
6	8	GND	GND	
7	4	OSC2+	OSC2 OUTPUT+	
8	9	OSC2-	OSC2 OUTPUT-	
9	5	GND	GND	

"MAIN UNIT REMOTE" D9-F(#4-40)				
Ribbon	Hard	Signal name	Designation	Active
1	1	FG	FG	
2	6	TX GND	TX GND	
3	2	TX-	TX-	
4	7	TX+	TX+	
5	3	RX+	RX+	
6	8	RX-	RX-	
7	4	RX GND	RX GND	
8	9	FG	FG	
9	5			

"CONTROL PANEL REMOTE" D9-F(#4-40)				
Ribbon	Hard	Signal name	Designation	Active
1	1	FG	FG	
2	6	RX GND	RX GND	
3	2	RX-	RX-	
4	7	RX+	RX+	
5	3	TX+	TX+	
6	8	TX-	TX-	
7	4	TX GND	TX GND	
8	9	FG	FG	
9	5			

注意！ Dサブコネクタの接続はHARDピン番号で接続してください。取付ビスは#4-40インチビスを使用して下さい。  
**CAUTION! D-Connector for wiring refer toHard pin number Description. Mounting screw for D-connector use #4-40 size.**

## "TB127" Connector Pin List

### "OSC PANEL" D15-F(#4-40)

Ribbon	Hard	Signal name	Designation	Active
1	1	0V	SWITCHES COMMON	+0V
2	9	+5V	LAMPS COMMON	+5V
3	2	100 SWITCH	100Hz SWITCH	Lo
4	10	100 LAMP	100Hz LAMP	Lo
5	3	400 SWITCH	400Hz SWITCH	Lo
6	11	400 LAMP	400Hz LAMP	Lo
7	4	1K SWITCH	1kHz SWITCH	Lo
8	12	1K LAMP	1kHz LAMP	Lo
9	5	10K SWITCH	10kHz SWITCH	Lo
10	13	10K LAMP	10kHz LAMP	Lo
11	6	PINK SWITCH	PINK SWITCH	Lo
12	14	PINK LAMP	PINK LAMP	Lo
13	7	ON SWITCH	ON SWITCH	Lo
14	15	ON LAMP	ON LAMP	Lo
15	8	TRIM CV	OSC TRIM CONTROL VOLTAGE	0 +5V

TRIM CVはシールド線を使用してください。

注意！ Dサブコネクタの接続はHARDピン番号で接続してください。取付ビスは#4-40インチビスを使用して下さい。

**CAUTION! D-Connector for wiring refer to Hard pin number Description. Mounting screw for D-connector use #4-40 size.**