

## CPX-1504

### RS232 Line Splitter



#### Product Description

The CPX-1504 line splitter receives RS232 signals from an input source and drives these signals to four RS232 output sources. The input source is received on a 25-pin connector. The four output sources are provided at four 25-pin connectors.

#### Display

The module contains LED displays to monitor DC power and channel activity. The DC power indicator is located above the DC power input connector. Activity indicators are Clock (C), DCD (R), and Data (D) are located in the upper left corner of the panel.

#### Electrostatic Protection

The CPX-1504 is designed to protect the transmission lines from over voltages caused by electrostatic discharge (ESD) and electrical fast transients (EFT).

#### Physical Description

Up to five CPX-1504 line splitters can be mounted in a metal recessed enclosure for mounting in a 19-inch RETMA frame.

Each CPX-1504 unit supports four 25-pin connectors for output and one 25-pin connector for input. The input connector is labeled "I" and the output connectors are labeled "A" through "D." Input and output connectors are mounted horizontally with the input connector toward the bottom of the panel. The DC power input connector is located at the left of the enclosure and is labeled "DC."

#### Ordering Information

CPX-1504-AA	RS232 ESD line splitter package with AC adapter.
CPX-1504-A	RS232 ESD line splitter (no AC adapter)
PWR-0004	Single output AC adapter for use with the CPX-1504-A
PWR-0021-A	Five-output AC adapter for use with up to five CPX-1504 line splitters
FAB-1001-A	Mounting bracket for up to five CPX-1504 panels.

## Specifications

### CPX-1504 Panel:

Dimensions 5.1 in H x 3.4 in W x 1.0 in D  
(13.95 cm x 8.64 cm x 2.54 cm)  
Height with AC Adapter 2.1 in (5.33 cm)  
Weight 7 oz (200 gm)

### PWR-0004 AC Adapter:

Dimensions 4 in x 2.45 in x 2.55 in  
(10.2 cm x 6.72 cm x 6.48 cm)  
Weight 15 oz (425 gm)

### PWR-0021-A AC Adapter:

Dimensions Item Discontinued in  
x 6.45 cm)  
Weight: 2.2 lbs (998 gm)

### FAB-1001 Mounting Bracket:

Dimensions 5.25 in H x 19.0 in W x 3.0 in D  
(13.34cm x 48.26cm x 8.46cm)  
for standard RETMA rack  
mounting  
Weight 14 oz (397 gm)

### EIA Interface

Input EIA-RS232  
One 25-pin DB25-S connector  
Outputs EIA-RS232  
Four 25-pin DB25-S connectors  
Data Rate Up to 460 Kbits/S  
Signals Supported Each DB25 connector supports  
three signals, ground, and  
shield.  
RS232 RCVD DATA, DCD,  
RxCLK, SIG GND, SHIELD

ESD IEC 1000-4-2 ±15KV  
EFT IEC 1000-4-4 ±2KB

### Electrical Power

Power Required:  
+5 volts DC 100ma  
PWR-0004 Single-output AC adapter, wall-  
mount, terminated with a plug-  
style connector.  
PWR-0021-A Five-output AC adapter, desk-  
top with five  
Item Discontinued ports to power  
up to five CPX-1504-A.

### Reliability

MTBF 45,000 hours

### LED Indicators

DC Indicates that DC power is  
available.  
Activity LEDs Indicate data transitions: Clock  
(C), DCD (R), Data (D)

### Environmental

FCC EMI/RFI Meets requirements for a class  
A computing device

### Operating Conditions:

Temperature 5° to 50° C (41° to 122° F)  
Relative Humidity 20% to 80% non-condensing  
Altitude 10,000 feet, maximum

### Storage Conditions:

Temperature -40° to 66° C (-40° to 150° F)  
Relative Humidity 10% to 95% non-condensing

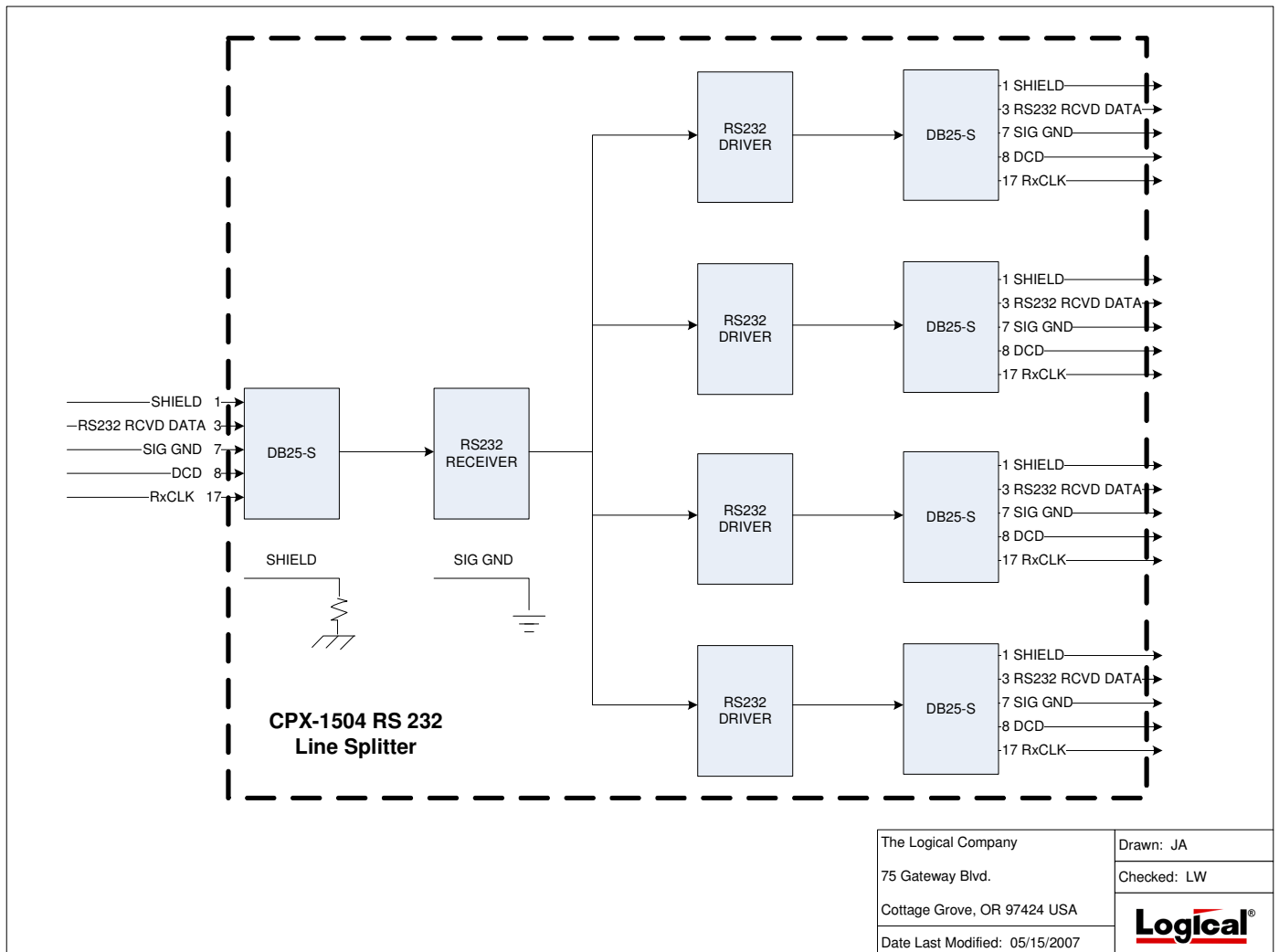
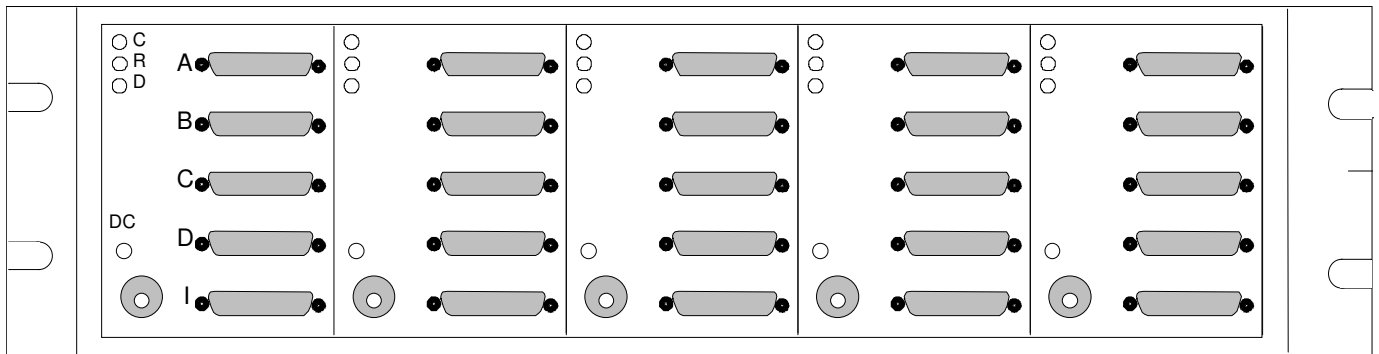
## Pin Assignments

### Input Connector (I)

Signal	Pin	Pin	Signal
SHIELD	1	14	
	2	15	
RCVD DATA	3	16	
	4	17	RxCLK
	5	18	
	6	19	
SIG GND	7	20	
DCD	8	21	
	9	22	
	10	23	
	11	24	
	12	25	
	13		

### Output Connectors (A, B, C, D)

Signal	Pin	Pin	Signal
SHIELD	1	14	
	2	15	
RCVD DATA	3	16	
	4	17	RxCLK
	5	18	
	6	19	
SIG GND	7	20	
DCD	8	21	
	9	22	
	10	23	
	11	24	
	12	25	
	13		



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