



# RRT-525FLOPPY-MULTI-R-CFAST

# 5.25" Multi-Floppy CFast Drive (SSD)

5.25" FLOPPY CFAST DRIVE (SSD) is a long-term industrial-grade solution for replacement of obsolete 5.25" floppy drives from Teac, Sony, Panasonic, and Honeywell.

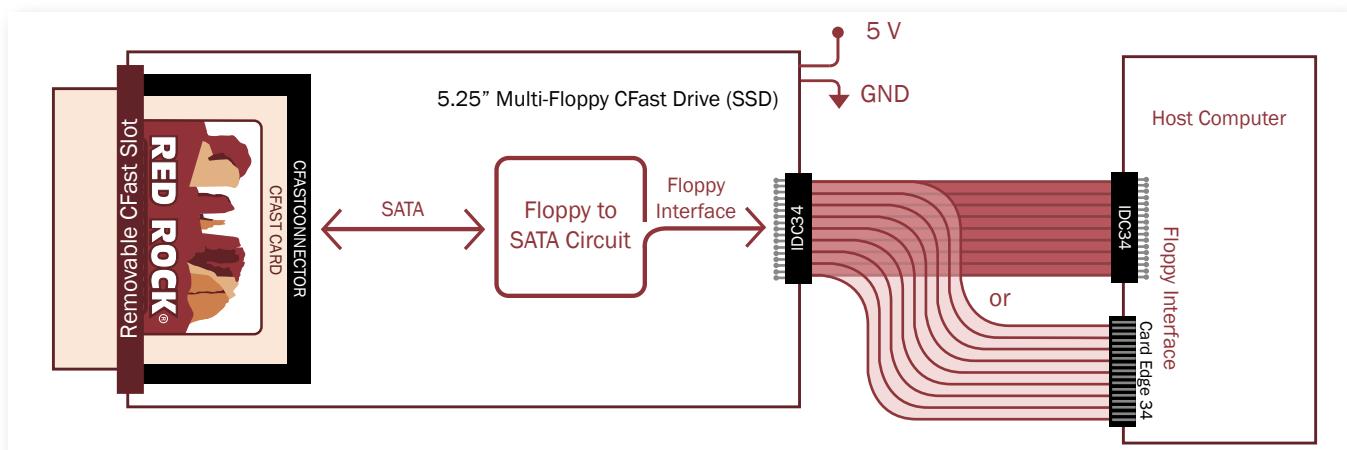
Our unique product is designed for 5.25" form factor and replaces floppy media with CFast card. To the system, the CFast appears as a normal 5.25" floppy disk. This version allows for up to 999 floppies on a single CFast card, using a knob for floppy selection.

- Drop in replacement for obsolete 5.25" floppy drives
- FM, MFM encoding
- Transfer rates from 125 kb/s to 500 kb/s
- Capacities selectable for 360KB, 640KB, 720KB per floppy (up to 999 floppy disks per CFast)
- Commercial temperature range (0°C to 70°C)
- Extended temperature range (-40°C to 85°C)
- Conformal coating available
- Standard 34-pin connector
- RoHS Compliant
- US-based engineering and manufacturing
- In-house technical support



## TRANSFER CAPABILITIES

Convert clunky, outdated floppy disks into versatile, compact CFast cards.



# Ordering Information

## Multi-Floppy Drive

RRT-525FLOPPY-MULTI-CFAST- **UR** - **X**

### Options May be left blank

#### Conformal Coating

UR Polyurethane  
AR Acrylic

#### Extended Temperature Range

X -40°C to 85°C

### ORDER EXAMPLES

RRT-525FLOPPY-MULTI-R-CFAST  
RRT-525FLOPPY-MULTI-R-CFAST-UR-X

## CFast Card

RRT-CFAST- **SLC** - **8GB** - **X** - **WP**

### Requirements

Capacity  
0GB-8GB SLC  
0GB-8GB MLC

NAND Flash Type  
SLC Single Level Cell  
MLC Multi Level Cell

### Options May be left blank

Write Protect  
WP Write Protect

Extended Temperature Range  
X -40°C to 85°C

### ORDER EXAMPLES

RRT-CFAST-MLC-8GB  
RRT-CFAST-SLC-8GB-X-W

## Cable

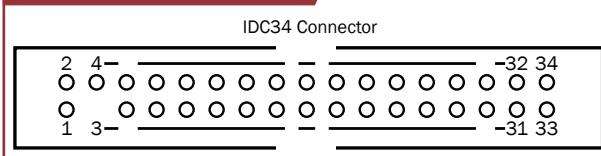
RRT-CBL-FLOPPY-IDC34- **CardEdge34** - **18"**

### Requirements

Host Connection  
CardEdge34  
IDC34

Cable Length in Inches or Meters  
18"

### Host Connector



CardEdge34 Connector



### ORDER EXAMPLES

RRT-CBL-FLOPPY-IDC34-CardEdge34-18"  
RRT-CBL-FLOPPY-IDC34-IDC34-18"



# Product Specifications

## 5.25" MULTI-FLOPPY CFAST DRIVE (SSD)

| PERFORMANCE  |  |                 |                            |                       |  |  |  |  |  |  |
|--|--|-----------------|----------------------------|-----------------------|--|--|--|--|--|--|
| NAND FLASH TYPE  | TLC  | MLC             | MLC-X                      | SLC                   |  |  |  |  |  |  |
| CAPACITIES   | Selectable for 360KB, 640KB, 720KB, 1.25MB per floppy (up to 999 floppy disks per Cfast) |                 |                            |                       |  |  |  |  |  |  |
| INTERFACE  | Standard floppy 34-pin connector   |                 |                            |                       |  |  |  |  |  |  |
| SECTOR SIZE  | 256 or 512 bytes   |                 |                            |                       |  |  |  |  |  |  |
| RELIABILITY  |  |                 |                            |                       |  |  |  |  |  |  |
| MTBF (HOURS) <sup>1</sup>  | 1 million hours  | 2 million hours | 3 million hours            |                       |  |  |  |  |  |  |
| ENDURANCE (100 GB SSD)   | 70 TBW   |                 |                            | 350 TBW               |  |  |  |  |  |  |
| DATA RETENTION   | 1 year <sup>2</sup>  |                 |                            | 10 years <sup>3</sup> |  |  |  |  |  |  |
| POWER  |  |                 |                            |                       |  |  |  |  |  |  |
| VOLTAGE  | +5V +/- 5%   |                 |                            |                       |  |  |  |  |  |  |
| WATTS (IDLE)   | 0.5 W  |                 |                            |                       |  |  |  |  |  |  |
| WATTS (ACTIVE)   | 2.5 W max  |                 |                            |                       |  |  |  |  |  |  |
| ENVIRONMENTAL  |  |                 |                            |                       |  |  |  |  |  |  |
| OPERATING TEMP.  | 0°C to 60°C  | 0°C to 70°C     | See MLC                    | 0°C to 70°C           |  |  |  |  |  |  |
| EXTENDED OPERATING TEMP.   | Not available  | See MLC-X       | -40°C to 85°C              |                       |  |  |  |  |  |  |
| STORAGE TEMP.  | -40°C to 85°C  |                 |                            |                       |  |  |  |  |  |  |
| ALTITUDE   | 10,000 ft. (3,000 meters)  |                 | 80,000 ft. (24,000 meters) |                       |  |  |  |  |  |  |
| RELATIVE HUMIDITY  | 5% to 95% non-condensing   |                 |                            |                       |  |  |  |  |  |  |
| SHOCK  | 350g 2 milliseconds  |                 | 50g 11 milliseconds        |                       |  |  |  |  |  |  |
| VIBRATION  | 1g 5Hz to 500 Hz   |                 | 12g 20 Hz to 2000 Hz       |                       |  |  |  |  |  |  |
| PHYSICAL   |  |                 |                            |                       |  |  |  |  |  |  |
| FORM FACTOR  | 5.25" drive  |                 |                            |                       |  |  |  |  |  |  |
| WEIGHT   | 15 oz. max (420g)  |                 |                            |                       |  |  |  |  |  |  |
| DIMENSIONS   | 5.75" x 8.00" x 1.625" (146.05mm x 203.2mm x 41.275mm)                                   |                 |                            |                       |  |  |  |  |  |  |
| NOTES  |  |                 |                            |                       |  |  |  |  |  |  |
| (1) Telcordia SR-332, Issue 3, operating temp. (40°C), electrical stress (50%), environmental factor (1.0) |  |                 |                            |                       |  |  |  |  |  |  |
| (2) SLC: 10 years at 10% TBW ramping down to 1 year at 100% TBW  |  |                 |                            |                       |  |  |  |  |  |  |
| (3) MLC: 10 years at 0% TBW ramping down to 1 year at 100% TBW   |  |                 |                            |                       |  |  |  |  |  |  |



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