

SHARP SERVICE MANUAL

CODE : 00ZUPE13MRWSM

Magnetic Card Reader

MODEL UP-E13MR

1. FUNCTIONS

| | |
|----------------|----------------------|
| Card operation | One way manual swipe |
| Write/Read | Read only |

2. APPLICABLE CARDS

| | |
|----------------------|--|
| Magnetic stripe card | Cards encoded as based on ISO 7811/1~5 (Track 1, 2 and 3) Type: Track 1 (210BPI F2F) Track 2 (75BPI F2F) Track 3 (210BPI F2F) |
|----------------------|--|

3. BASIC PERFORMANCE

| | |
|--------------------------|---|
| Readable operating speed | 10cm/sec ~ 100cm/sec |
| Output signals | RDD- : Read data RCP- : Read clock pulse CLS- : Card loading signal |

4. ENVIRONMENTAL CHARACTERISTICS

| | |
|-------------|--------------------------------|
| Temperature | -20 °C ~ +60 °C / 30% ~ 95% RH |
| Storage | -30 °C ~ +70 °C / 10% ~ 95% RH |

5. LIFE

| | |
|-----------|-------------------------------|
| Unit life | More than 300,000 card passes |
| Card life | More than 1,000 passes |

6. CIRCUIT DESCRIPTION

For the MCR unit of the UP-E13MR, the component parts are not supplied. Therefore replace the whole MCR unit. The following descriptions are for your reference only.

1) Block diagram

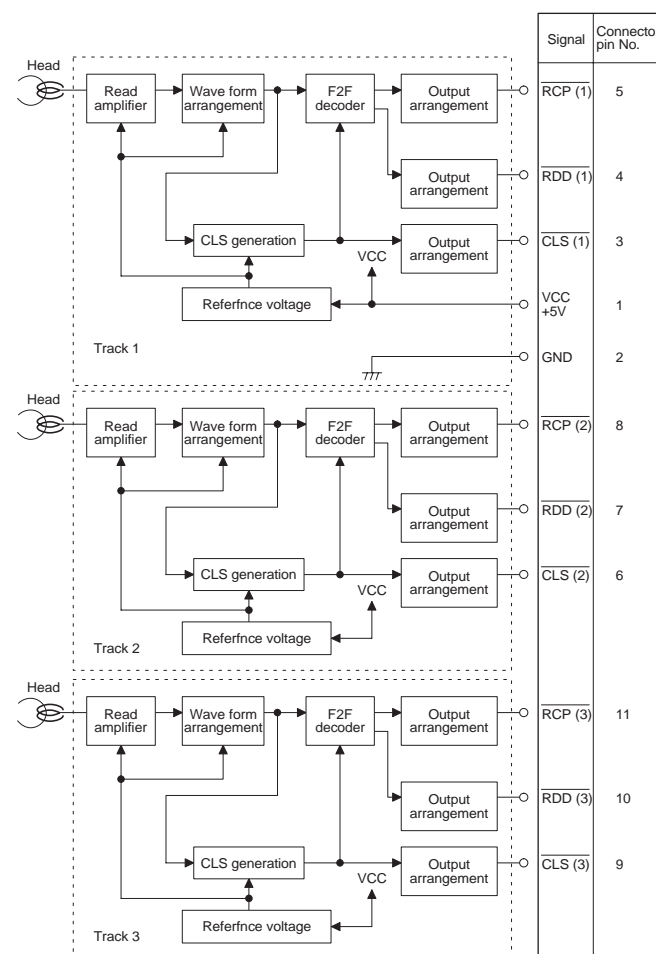


Figure 1. BLOCK DIAGRAM

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

[https://the-checkout-tech.com/manuals/sharp/UP-E13MR option service magnetic card r](https://the-checkout-tech.com/manuals/sharp/UP-E13MR_option_service_magnetic_card_r)

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