

F2F Decoder IC

Dual track, BS200HS

Features

- Noise Filter technology
- Auto-gain control technology
- Operational power DC 2.7V ~ 5.5V
- Chip Select pin for stand-by control.
- Built-in operational amplification circuitry.
- Old/Bad issued card reading improvement
- Support for 75/210 BPI recording density.
- Speed range: 300 to more than 12600 BIT/sec.
- Small outline and surface mount design. SSOP28.
- 0.6um CMOS ASIC IC for F2F magnetic stripe card reader.
- Two modes for RCP width. One is 14 ~ 60us. The other one is 1/4 RDP width.
- Low power: Current Max. 3.3mA, best for portable, hand-held devices.
- Built-in Boarding Pass Ticket reading solution--- recovery for data lose.



Application

- Magnetic stripe card reader.
- POS Keyboard
- Security Control.
- CAT(card authorization terminal)

Specification

- Power Voltage: DC2.7V ~ 5.5V
- Consumption: 2.5mA /DC 3.3V; 3.3mA /DC 5.0V
- Reading Speed Range /second: 10cm/sec ~ 150cm/sec
- MTBF: 100,000 hrs
- Environment : Temperature: Operating: -10°C ~ 55°C; Storage: -30°C ~ 70°C
Humidity: Operating: 10% ~ 90%; Storage: up to 100%

Pin Assignment

No.	Signal	No.	Signal	No.	Signal	No.	Signal
1	DVDD.	9	MSIB+	17	RDPB	25	NERC
2	AVDD	10	MSIB-	18	RCPB	26	OSC
3	TEST	11	OPB1OUT	19	RDPA	27	RESEL
4	OPA2OUT	12	OPB2IN	20	RCPA	28	IBS
5	OPA2IN	13	OPB2OUT	21	DGND	-	-
6	OPA1OUT	14	AGND	22	CLS	-	-
7	MSIA-	15	VREFIN	23	ADJ	-	-
8	MSIA+	16	CS	24	NRCPM	-	-