



Ingeniería Electrónica  
*SMART IDENT*

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# LPZ SERIES TTL SWIPE READER PINOUT SIGNALS

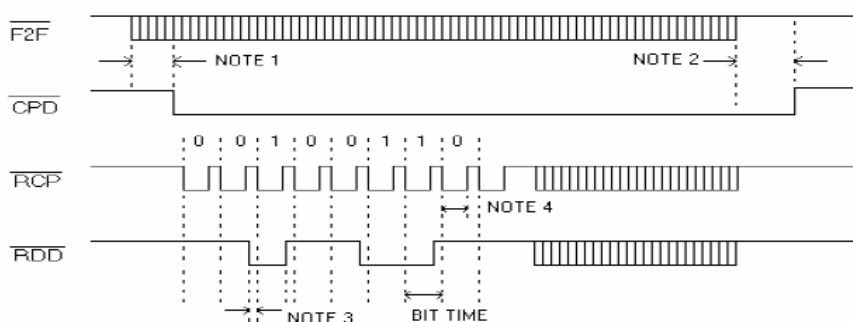
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PINOUT SIGNALS

LPZ-XXXT-XX

f. Timing Chart



NOTES :

1. 8 or 9 head flux reversals for low density configuration.
2. TIMEOUT of the CPD signal occurs approx. 30mSec. After last head signal transition.
3. The RDD is valid at 2.0µSec(min.) before the negative edge of the RCP.
4. The Low pulse width of RCP is approx. 70% of the bit time.

- RDD  
The DATA signal is valid while the RCP is low. If the RDD signal is high, the bit is zero, and if low, the bit is one(1).
- RCP  
The RCP signal indicates that RDD is valid. The RDD should be loaded by the user when the RCP signal goes low.(Negative edge)
- CPD  
Card Present will go low after the 8 or 9th flux reversal and it will return high when the 25mSec Approx. was elapsed.

When no card is being moved through the unit, the RDD, RCP and CPD signals are high.

5. OPERATIONAL REQUIREMENTS

- a. Installation                      Indoors only
- b. Performance                    10 - 150 cm / sec
- c. Head Reliability                500,000 passes
- d. Error Rate                        Less than 0.5 %
- e. Noise Protection                Noise Interval 14msec/min.

6. ENVIRONMENTAL REQUIREMENTS

- a. Temperature Range            -30°C ~ 60°C ( Working ) / -35°C ~ 75°C ( Storage )
- b. Humidity                         90% relative humidity to 40°C. Non condensing.
- c. Shock Resistance               10ms at 10G along the 3 axis .
- d. Vibrations                        0.2mm from 10 - 50 Hz along the 3 axes for 15 min.

7.MECHANICAL REQUIREMENTS

- a. Weight                            60g
- b. Connector                        Molex 5264 Series ( Mating : Molex 5267 Series )
- c. Cable length                    180mm
- d. Dimension                       **90.0mm ( D ) x 21.0mm ( W ) x 24.0mm ( H )**

Pin No.	Color						
1	RED	VCC	VCC	VCC	VCC	VCC	VCC
2	BLK	GND	GND	GND	GND	GND	GND
3	BRN	RDD1	RDD2	RDD3	RDD2	RDD2	RDD2
4	ORG	RCP1	RCP2	RCP3	RCP2	RCP2	RCP2
5	YEL	CPD	CPD	CPD	CPD	CPD	CPD
6	GRN				RDD1	RDD3	RDD1
7	BLU				RCP1	RCP3	RCP1
8	PPL						RDD3
9	GRY						RCP3