

SPECIFICATION

Customer : _____

Attention : _____

Your Model No. : _____

Champ's Model No. : BR800 Series

Date : _____

Sample Serial No. : _____

RECEIPT STATUS

RECEIVED

Date _____

Signature _____

Title

Revision 1.0 2002 May. 27



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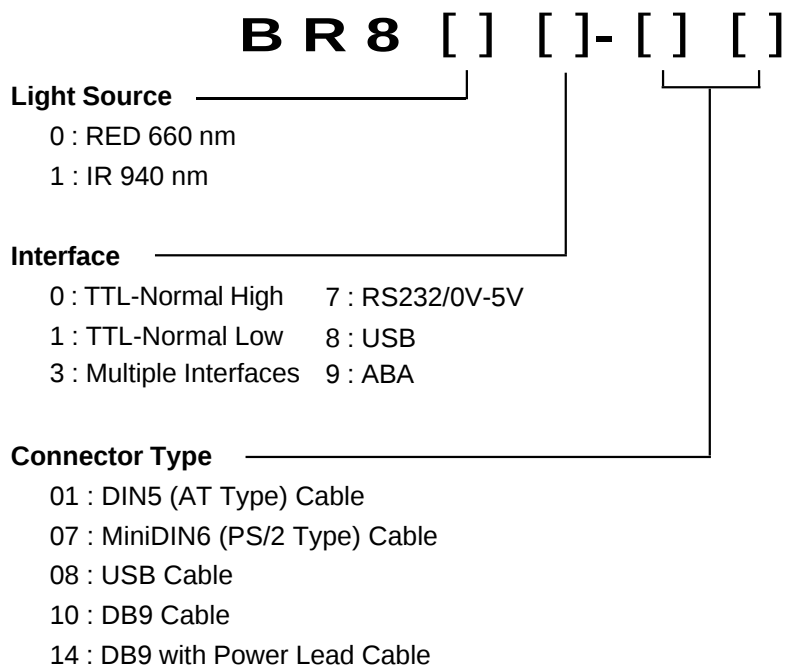
A. General

This slot reader is well designed and constructed with high quality components. It accepts wide range of reading speed and provides very accurate barcode scanning. With different wavelengths, barcodes which are printed on different materials can be easily read to suit the application needs.

The built-in decoder is an advanced and versatile decoding facility for barcoding systems. It works with variety of bar code types and computer interfaces.

- * Available in Two Wavelength(Visible 660 nm and Infrad Red 940 nm)
Can read barcodes on various printed materials for different application requirement
- * Single 5 Volts Power Supply (TTL and keyboard wedge version)
Simplified connection to one input power source
- * Durable Guide for Easy Reading
Constructed with high quality materials for long lasting barcode reading
- * Extra Port for Connecting More Reader
More flexible reading capability

B. Models



C. Optical Characteristics

	BR80[]-[] []	BR81[]-[] []
Light Source	Red 660nm	IR 940nm
Sensor	-----	Photo Diode -----
Resolution	-----	6 mil (0.15 mm) -----
Scanning Speed	-----	3.9 -39 inch/sec (100 - 1000 mm) -----
Ambient Light	-----	10000 LUX Max. (Fluorescent lamp) -----

Test Conditions : Code 39/PCS 0.9

D. Electrical Characteristics

	TTL Models	Multiple Interfaces
Supply Voltage	DC +5V $\pm$ 5%	DC +5V $\pm$ 5%
Power Consumption(Typ.)	10 mA	50 mA
Operating Frequency	-----	14.7456 MHz
Output Voltage(Typ.)	+5V	+5V
Output Voltage(Min.)	4.5V	4.5V
Output Low Voltage	0.4V	0.4V
Logic High	Bar	-----
Logic Low	Space	-----
Inactive Output Level	High	-----

E. Physical Characteristics

	BR8[] []-[]
Body Weight	160g/5.65oz
Body Material	PC + ABS
Cable Length	----- 1500 mm (5 Ft) -----
Dimension	150.23 X 43.35 X 43 mm

F. Codes Read

ALL UPC/EAN/JAN, Code 39, Code 39 Full ASCII, Code 128, Interleave 25, Industrial 25, Matrix 25, CODABAR/NW7, MSI/PLESSEY, Code 93, Code 11

G. Environment

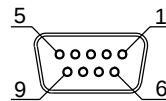
For all models

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	20% to 85% (Non-condensing)

H. Pin Assignment

a. TTL Interface (DB 9 Female)

Pin No.	Function
1	S.O.S.
2	DATA
3	N.C.
4	N.C.
5	TRIGGER
6	P. E.
7	GND
8	N.C.
9	+5V

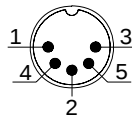


DB 9 Female

b. PC Keyboard Interface

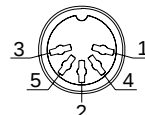
DIN 5 MALE

Pin No.	Function
1	HOST CLK
2	HOST DATA
4	GND
5	Vcc(+5V)



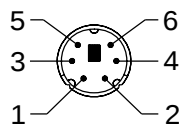
DIN 5 FEMALE

Pin No.	Function
1	KB CLK
2	KB DATA
4	GND
5	Vcc(+5V)



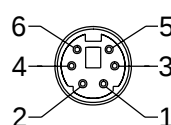
MiniDIN 6 MALE

Pin No.	Function
1	HOST DATA
3	GND
4	Vcc(+5V)
5	HOST CLK



MiniDIN 6 FEMALE

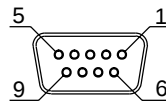
Pin No.	Function
1	KB DATA
3	GND
4	Vcc(+5V)
5	KB CLK



c. RS-232 Interface

DB9 Female with Power Lead

Pin No.	Function
2	TXD
3	RXD
5	GND
7	CTS
8	RTS
Power Lead	Vcc (+5V)

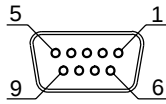


DB 9 Female



DB9 Female without Power Lead

Pin No.	Function
2	TXD
3	RXD
5	GND
7	CTS
8	RTS
9	Vcc (+5V)

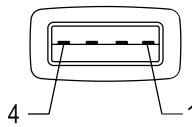


DB 9 Female

d. USB Interface

USB A Type Male

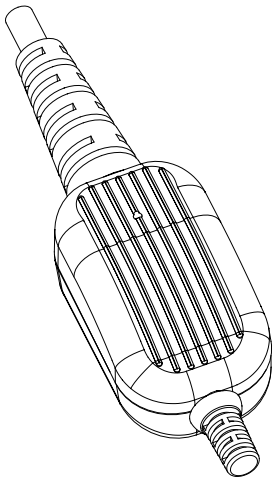
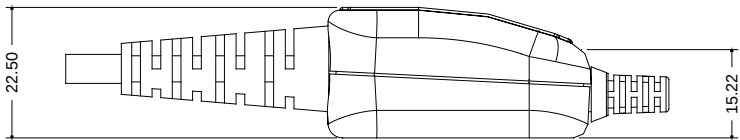
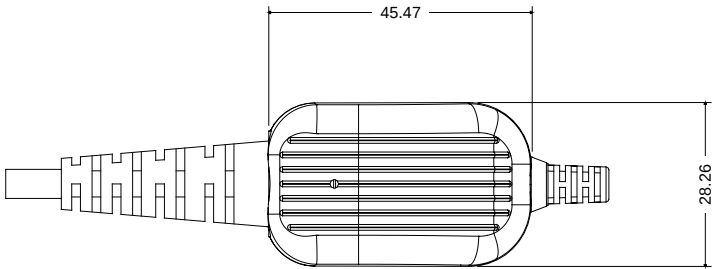
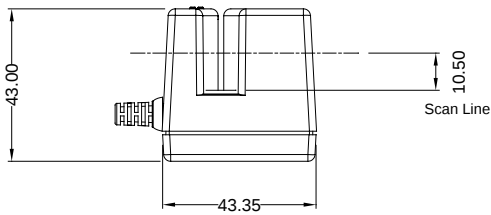
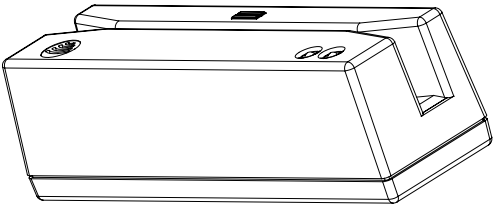
Pin No.	Function
1	Vcc
2	D -
3	D +
4	GND



USB A Type

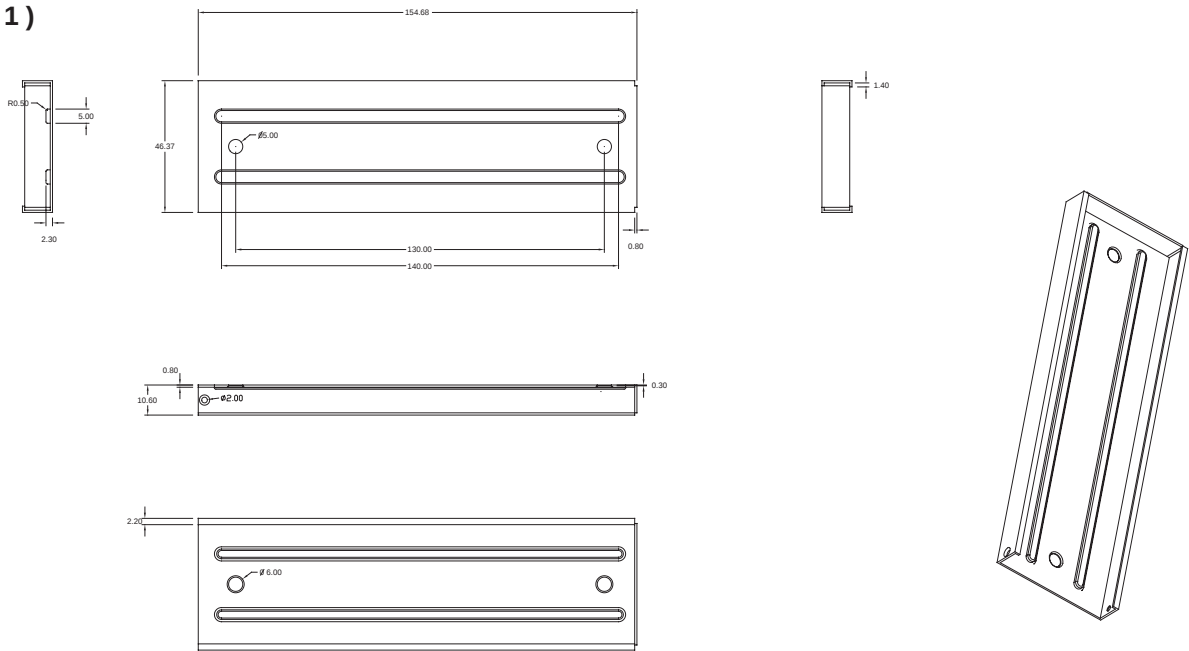
I.Dimension

Units:mm

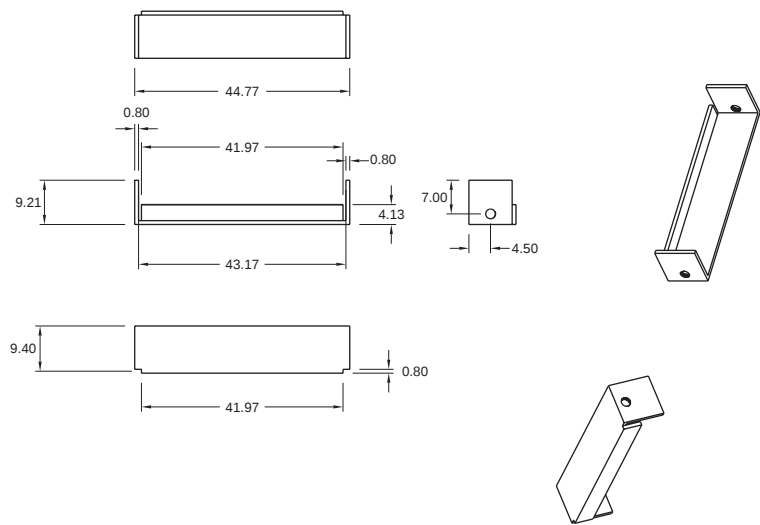


Bracket (optional)

1)



2)



3)Assembly

