

1D Fixed CCD Barcode Scanner

(M/N: F1200-C1)

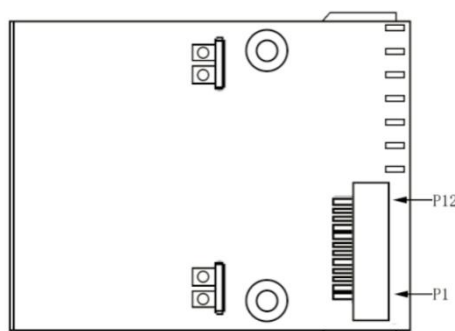


Features

- ARM-32bit cortex high speed processor: class-leading swift decoding
- 3.3mil high resolution: easy to read high-density 1D bar-codes
- Read bar-codes on electronic screen: ideal for mobile payment
- Support TTL- RS232/USB/PS2 port
- Scan Rate: 300 scans /second
- Sensor: Linear CCD sensor

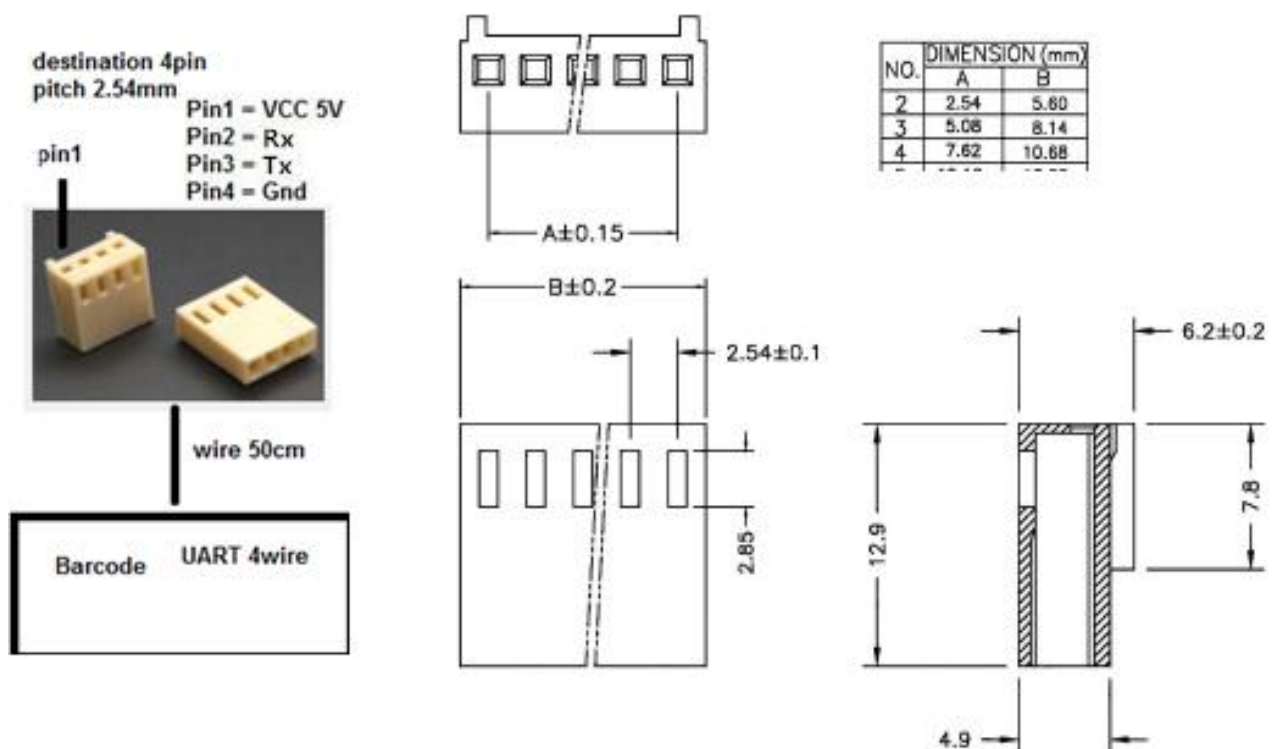
Data interface

FPC 12pin pitch 0.5 data interface



PIN	signal	I/O	Description
1	NC	-	Floating
2	VCC	-	power supply
3	GND	-	Power ground
4	RX	Input	TTL-RS232 receive
5	TX	Output	TTL-RS232 send
6	D-/HOST	Input/output	USB_D- signal/PS2_HOST DATA
7	D+/HOST CLK	Input/output	USB_D+ signal/PS2_HOST CLK
8	KB DATA	-	PS2_KB DATA
9	Buzz	Output	Buzzer output signal
10	LED	Output	Indicator light input signal
11	KB CLK	-	PS2_KB CLK
12	KEY	Input	Trigger input signal,Keep low level for Than 20ms to trigger reading

Customized interface



Parameters

Performance parameters

Light Source	632nm LED light
Sensor	Linear CCD Sensor
Processor	ARM32-bit
Resolution	≥4mil/0.1mm@PCS90%
Depth of field	3-50CM
Scan Rate	300 scans/second
scanning method	Key trigger、 Always bright scan、 Command control
	Pitch:±60°
Scan Angle	Roll: ±30°
	Skew: ±60°
Working Voltage	DC 3.3V-5V
Current	110mA (working Current) ; 30mA (Standby
Print Contrast	≥25%
Ambient light	100,000Lux Max
Bar-code type	EAN-8, EAN-13, Codabar, CODE11, CODE 39, CODE 93, CODE128, China Post, GS1-128, GS1 Limited, GS1 Omnidirectional, UPC-A, UPC-E, ISBN/ISSN, ISBT , Interleaved 2 of 5 ,

Depth of field

Decoding range			
Type	Density	Min.Distance	Max.Distance
Code 39	0.1mm(4mil)	80mm	130mm
Code 39	0.15mm(6.0mil)	60mm	180mm
Code 39	0.25mm(9.8mil)	30mm	270mm
Code 39	0.5mm(20mil)	30mm	470mm
Code 39	1.0mm(40mil)	130mm	700mm
UPC	0.26mm(10mil)	30mm	270mm
EAN 13	0.33mm(13.0mil)	30mm	320mm

Test Conditions: Room temperature 25°C, Ambient light resistance 200LUX, PCS=0.9

Environmental parameters

Environmental	
Operating temperature	-20°C to 50°C
storage temperature	-40°C to 70°C
Relative humidity	5% to 95% (Non-condensing)
Drop Test	1.2m to the concrete, 100 times
High and low	30 minutes for high Temp., 30 minutes for low Temp.,
High temperature	60°C
Low temperature	-20°C
Transport vibration test	10H@125RPM