

O-leading 專業 PCB 製造商

O-Leading 專業 PCB 製造, PCB 設計及 PCB 組裝 (PCBA) 服務。EMS 製造商 為 客戶 提供 專業 的 PCB 製造 服務。HDI PCB, 雙面 PCB, 單面 PCB 及 各種 PCB 製造 服務。 歡迎 垂詢 及 索取 報價。

我們 擁有 先進 的 設備, 經驗 豐富 的 技術 人員 及 完善 的 品質 管理 系統。 我們 提供 專業 的 O 型 服務 及 各種 產品。

我們 O-leading 專業 製造 各種 規格 的 PCB 及 PCBA 產品。 歡迎 垂詢 及 索取 報價。

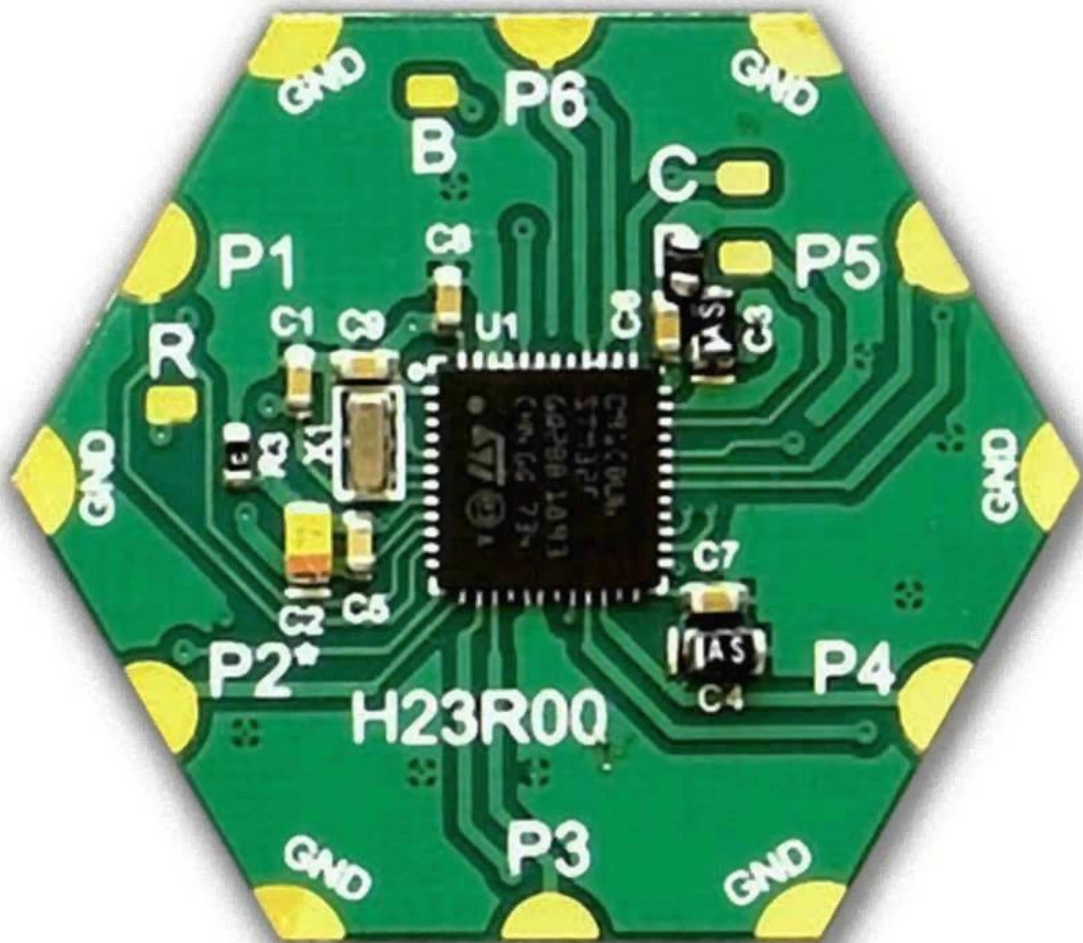
歡迎 垂詢 及 索取 報價。[SMT 及 各種 pcba](#)

專業 製造

產品 介紹 :

H08R6x 採用 ST VL53L0X 雷射 及 STM32F0 MCU 控制 (IR) Time-of-Flight (ToF) 雷射 技術。

該 雷射 技術 可 提供 精確 的 1D Lidar 雷射 掃描 及 測量。 雷射 2m 範圍 內 可 提供 精確 的 測量。



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- * □□ H08R6 □□ P08R6 □□□ □□□□ □□□□□ □□ □ Lidar □□ □□□□ □□□□.
- * □□□ □□ / □□ □□□ □□□□ □ □□ □□□ □□ □□□ □□□□□.
- * □□□□ □□ API□ □□ C □□□ □□□□□□□□□.
- * □□ □□□□□ □□□□ □□ Hexabitz □□□ □□□□□□!

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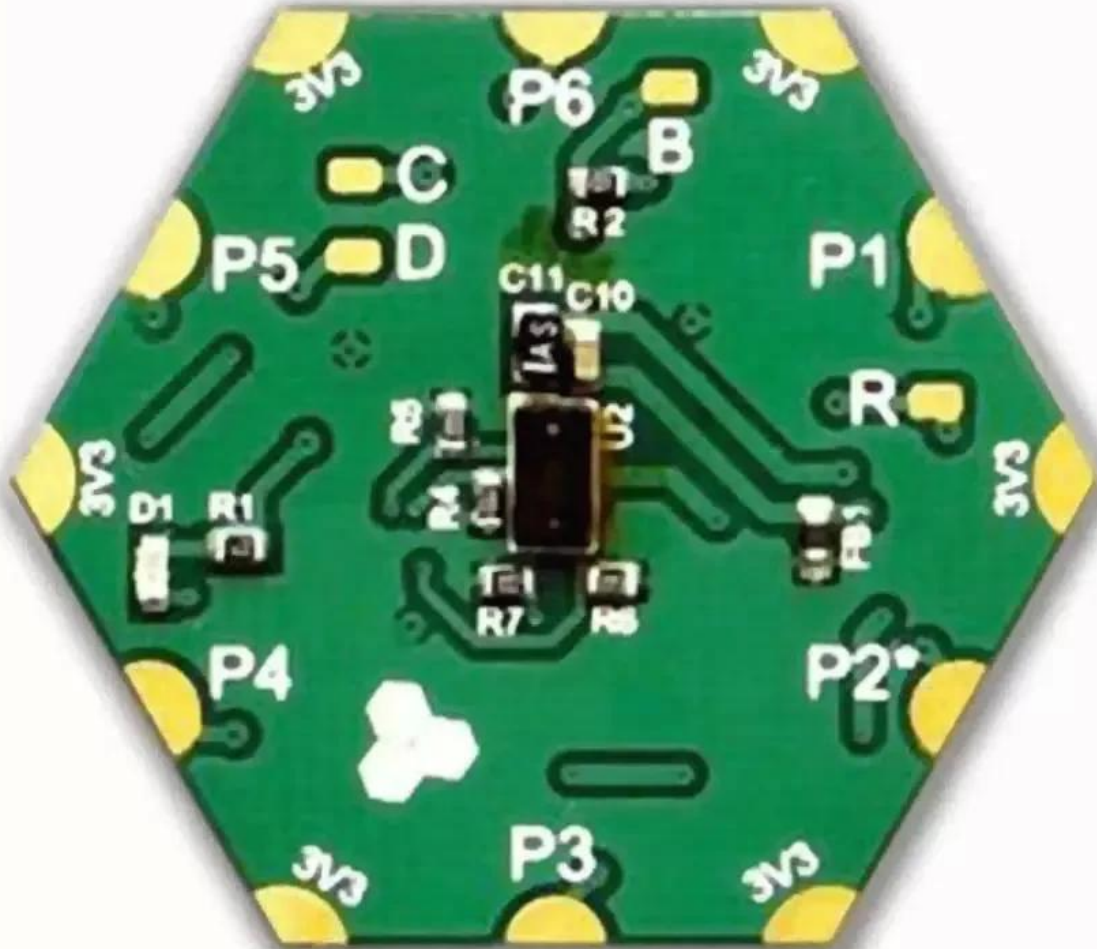
- * ST VL53L0X □□ □□ (ToF) □□ □ □□□ □□ □□ :
- * 940nm □□□ VCSEL.
- * □ □□ □□□ I □□□.
- * □□ 2m□ □□ □□□ □□□□□.
- * □□ □ □□□ □□ □□□□ □□□□□.

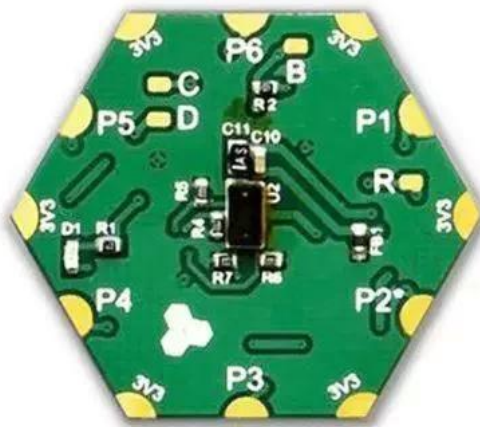
□□□

- * STM32F091CBU6 32 ARM Cortex-M0 MCU.
- * 8MHz .
- * 6 6 (+ 3.3V GND).
- * 6xUART, 2xI2C, SWD, BOOT0, RESET .

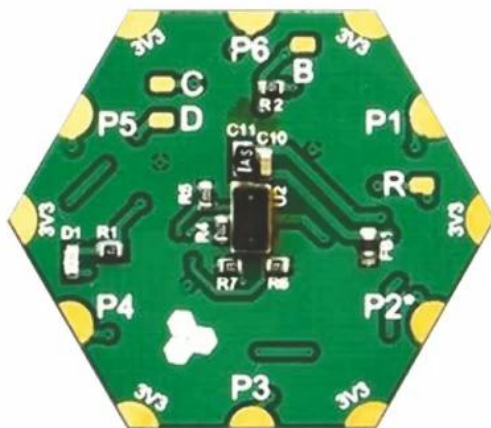
:	
:	30mm, 17.32mm
:	7.8 ^ 2
:	2
: :	
: :	ENIG () HASL-LF ()







HEXABITZ QUICK START GUIDE

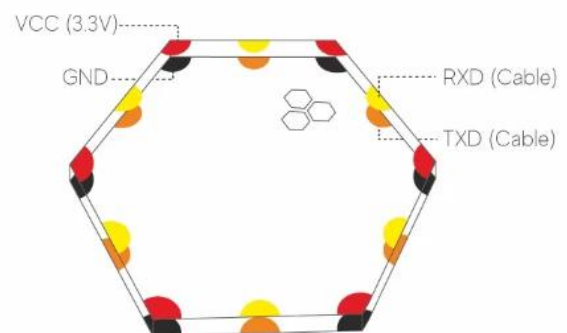
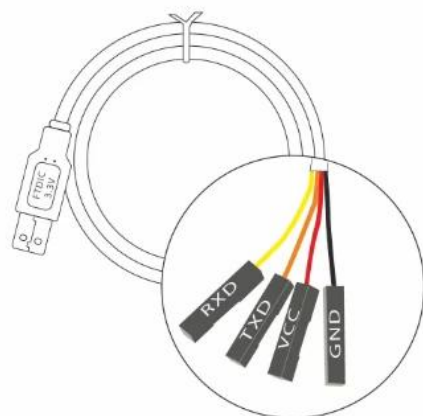


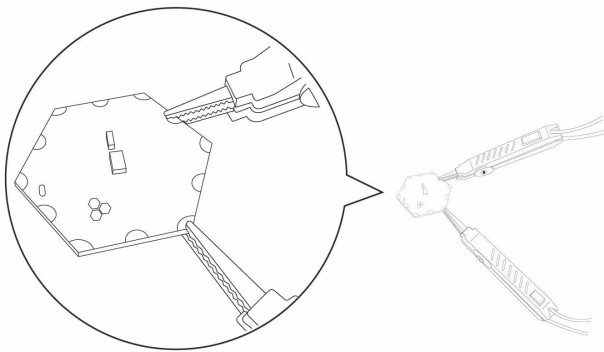
H08R6x Time-of-flight IR Sensor

link

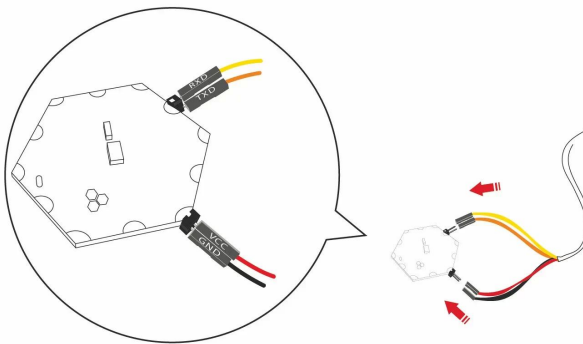


Re-44-19

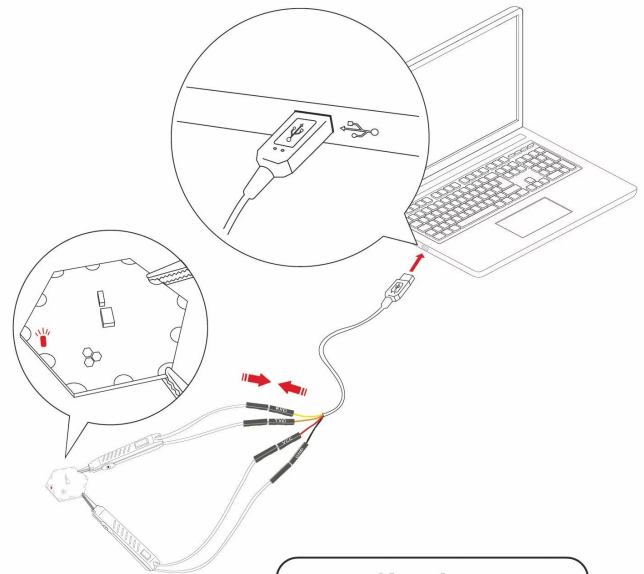




OR



2



Need to
update firmware?



link

3



RealTerm
[Windows]



Putty
[Windows/Mac/Linux]



SecureCRT
[Windows/Mac/Linux]

Use your favorite terminal software with these settings:

- Baudrate: 921600
- Display Format: Ansi
- Parity: none
- Data Bits: 8
- Stop Bit: 1
- Hardware Flow Control: none

Open the virtual COM port and hit the ENTER key.
Module will respond with a welcome message.

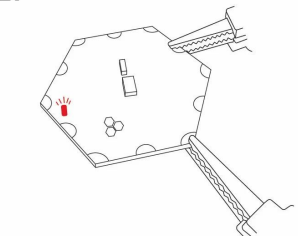
4

Try some CLI commands:

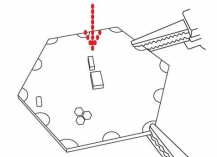
» ping

» sample

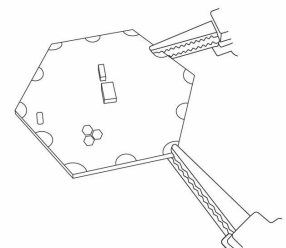
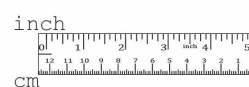
Distance (mm): 120



120 mm



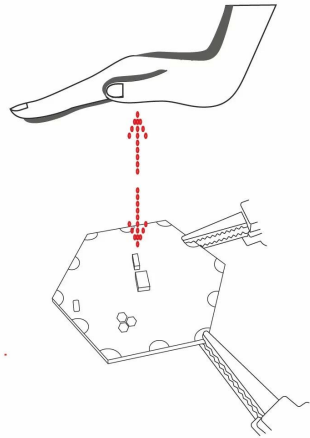
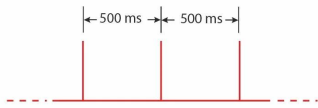
» units cm



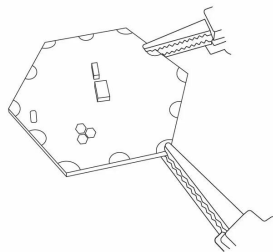
5

» stream 500 inf

Distance (cm): 20.2
Distance (cm): 20.7
Distance (cm): 24.5



» stop (or ENTER key)



6

Type » help for more CLI commands.

Check module documentation, schematics, firmware and design files in the Resources tab.



Resources



Related Projects

7





Factory PCB



Automatic vacuum press machine



Drilling Machine



Pattern Plating Machine



Scrubbing Machine



Developing Machine



Routing Machine



High-speed flying probe machine



E-test Machine

Factory SMT







Test Report

No. SZXEC1900530401

Date: 30 Mar 2019

Page 1 of 6

O-LEADING SUPPLY CHAIN (HK) CO., LIMITED

1313.FLOOR 13, FORTUNE BUILDING, DANSHUI TOWN, HUIYANG DISTRICT, HUIZHOU, GUANGDONG, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : OSP

SGS Job No. : RP19-005089 - SZ

Date of Sample Received : 22 Mar 2019

Testing Period : 22 Mar 2019 - 30 Mar 2019

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Tina

Tina Fan
Approved Signatory



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Test Report

No. SZXEC1900530401

Date: 30 Mar 2019

Page 2 of 6

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SZX19-005304.001	Green"PCB"

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

Test item(s)	Limit	Unit	MDL	Q/Z
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	8
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1,000	mg/kg	8	ND
Sum of PBBs	1,000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1,000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND



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ZPMV2.E490354 - WIRING, PRINTED - COMPONENT

Wiring, Printed - Component

See General Information for Wiring, Printed - Component

O-LEADING SUPPLY CHAIN (HK) CO LTD

E490354

ROOM 1205, 12/F
TAI SANG BANK BLDG
130-132 DES VOEUS ROAD
CENTRAL, HONG KONG

Type	Cond Width		Cond Thk mic(mil)	SS/ DS/ DSO	Max		Max		Meets		C
	Min	Min			Area	Solder	Oper	Flame	UL796		
	mm(in)	mm(in)			Diam	Limits	Temp	Class	DSR		
Multilayer (mass laminate) printed wiring boards.											
O-LEADING-401	0.1 (0.004)	0.3 (0.012)	34 (1.34)	DS	12.7 (0.5)	260	10	130	V-0	-	-
O-LEADING-407	0.08 (0.003)	0.2 (0.008)	17 (0.67)	DS	9.7 (0.4)	260	10	130	V-0	All	-
Multilayer printed wiring boards.											
O-LEADING-408	0.125 (0.005)	0.125 (0.005)	12 (0.47) Int:136	DS	50.8 (2.0)	280	20	130	V-0	All	*
Single layer printed wiring boards.											
O-LEADING-002	0.38 (0.015)	1.14 (0.045)	34 (1.34)	SS	19.1 (0.8)	260	10	105	V-0	All	-
O-LEADING-003	0.38 (0.015)	1.14 (0.045)	34 (1.34)	SS	19.1 (0.8)	260	10	130	V-0	▲	-
O-LEADING-033	0.15 (0.006)	0.3 (0.012)	34 (1.34)	SS	25.4 (1.0)	260	10	120	V-0	All	-
O-LEADING-205	0.1 (0.004)	0.3 (0.012)	34 (1.34)	DS	69.6 (2.7)	260	10	130	V-0	All	-
O-LEADING-206	0.15 (0.006)	0.33 (0.013)	17 (0.67)	DS	69.6 (2.7)	260	10	130	V-0	All	-
O-LEADING-D01	0.14 (0.006)	0.15 (0.006)	33 (1.30)	DS	25.4 (1.0)	260	10	130	V-0	All	*
O-LEADING-S01	0.25 (0.010)	0.25 (0.010)	17 (0.67)	SS	25.4 (1.0)	260	4	130	V-0	All	*

WIRING, PRINTED - COMPONENT | UL Product iQ

O-LEADING-S02	0.2 (0.008)	0.2 (0.008)	17 (0.67)	SS	25.4 (1.0)	260	4	130	HB	▲
O-LEADING-S03	0.25 (0.010)	0.25 (0.010)	34 (1.34)	SS	25.4 (1.0)	260	4	130	V-0	All

* - CTI marking is optional and may be marked on the printed wiring board.

Marking: Company name or file number and type designation. May be followed by a suffix to denote factory identification or burning test classification.

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PCB 規格

PCB 材料	
銅箔厚度	1 1/2-32 吋
銅箔重量	1 / 3oz-12oz
銅箔厚度 / 銅箔重量	3.0mil / 3.0mil
銅箔厚度 / 銅箔重量	4.0mil / 4.0mil
銅箔厚度	10 : 1
銅箔厚度	0.2mm-5.0mm
銅箔厚度 (mm)	635 * 1500mm
銅箔厚度 (mm)	4mil
Plated 銅箔	+/- 3mil
Blind / Buried Vias (All 銅箔)	否
銅箔 (銅箔, 銅箔)	否
銅箔	FR-4, FR-4high Tg. 銅箔 銅箔, 銅箔, 銅箔銅箔, 銅箔 銅箔, 銅箔
銅箔	HASL, OSP, ENIG, HAL-LF, 銅箔, 銅箔 銅箔, 銅箔 銅箔

SMT 規格	
PCB 材料	FR-4, CEM-1, CEM-3, 銅箔 銅箔 銅箔
銅箔 PCB 材料	510x460mm
銅箔 PCB 材料	50x50mm
PCB 材料	0.5mm-4.5mm
銅箔 銅箔	0.5-4mm
銅箔 銅箔 銅箔	0201
銅箔 銅箔 銅箔 銅箔	0603 銅箔
銅箔 銅箔 銅箔	15mm
銅箔 銅箔	0.3mm
銅箔 BGA 銅箔	0.4mm
銅箔 銅箔	+/- 0.03mm

PCB 規格

Shipping service



0000 00 0000 00 000 00, SI6000 soft 0 POLAR INSTRUMENTS0 CITS 500s 000 0000 00000.
 0 000 000 000 00 000 00 0 0000 00 00 000 000000 00000.