Product name: U1252B Digital Multimeter



Description: Handheld digital multimeter to scope voltages, currents, resistance, and ect. Display

Main display is 5-digit liquit crystal display(LCD) with maximum reading of 50,000 counts

Power Consumption

✓ 165 mVA/480 mVA(with backlight usage) maximum

Manufacturer : Agilent Technologies

Characteristics:	
Mass:	0.95 kg
Outline dimensions: (w x h x l)	210 x 53 x 95 mm
Connector type:	M2511, 16A, 250V~
X X X 111	

Non military purpose

No Pyrotechnics

Contents:

➢ U 1252B Multimeter

- > Test leads and probes for multimeter
- ▶ U 1170 Power code (RHC-240025-6, 10A, 250V~)

Serial numbers:	U1252B, MY51240096
Approval:	Signature / stamp:
Date:	-
Duto	
Name:	-
Ivallie.	

Product name: Exso EX-611B antistatic wrist strap



Description: Antistatic wrist strap used to safely ground in use of sensitive electronic equipment.

Characteristics: Mass: 0.033 kg 80 x 5 x 20 mm Outline dimensions: (w x h x l) Connector type: crocodile clip > Non military purpose > No Pyrotechnics **Contents:** ➢ Wrist strap - 2pcs EX-611 B(1), EX-611 B(2) Serial numbers: Signature / stamp: **Approval:** Date: Name:

Product name: S1	mall Nipper
It is made by SESHIN, KOREA.	small to work in narrow area like cubesat.
Material of the small nipper is stainle	less steel + rubber.
Characteristics: Mass:	0.060 kg
Outline dimensions: (w x h x l)	0.069 kg 112 x 92 x 11 mm
Connector type:	
 Non military purpose 	I
 No Pyrotechnics 	
Contents:	
\rightarrow Nipper – 1pc	
Serial numbers:	S6
Approval:	Signature / stamp:
Date:	
Name:	

Product name: Long Nose Plier



Description:

It is a long nose plier to cut and grab wires. It has a long feature so it can reach to things in narrow area. It is usually used with the nipper.

It is made by LOBSTER, JAPAN.

Material of the long nose plier is stainless steel + rubber.

Characteristics:

Mass:	0.123 kg
Outline dimensions: (w x h x l)	162 x 49 x 10 mm
Connector type:	

- Non military purpose
- No Pyrotechnics

Contents:

 \succ Long nose plier – 1pc

Serial numbers:	TMP150
Approval:	Signature / stamp:
Date:	
Name:	

Product name:

Set of tweezers



Description:

It is tweezers to pick small things up. There are a variety tweezers to be used in proper area. It can help user easily pick and put things and we have 4 tweezers.

It is made by AVEN, USA.

Material of the tweezers is stainless steel.

Characteristics:

chur deter istics.	
Mass:	0.06 kg (total)
Outline dimensions: (w x h x l)	Written below
Connector type:	
N NT '1'	

Non military purpose

No Pyrotechnics

Contents:

- ▶ 112 x 9 x 9 mm, 0.013 kg, serial No : 5SA, 14 euro 1pc
- ▶ 123 x 11 x 10 mm, 0.021 kg, serial No : OODSA, 14 euro 1pc
- ▶ 109 x 9 x 9 mm, 0.01 kg, serial No : 3CSA, 14 euro 1pc
- 120 x 9 x 16 mm, 0.016 kg, serial No : 7SA, 14 euro 1pc
- Total quantity : 4

Serial numbers:	5SA, OODSA, 3CSA, 7SA
Approval:	Signature / stamp:
	Signature / Stampt
Date:	
Name:	

Product name: H	ex Key Set
	to pice a local de la local de
	s inch standard. There are so many screws on our cubesat so
Material of the hex driver is stainless	s steel + plastic.
Characteristics:	
Mass:	0.854 kg
Outline dimensions: (w x h x l)	Written below
Connector type: ➤ Non military purpose ➤ No Pyrotechnics	
Contents: → Inches 15 Piece → Metric 15 Piece	
Serial numbers :	8PK-027
Approval:	Signature / stamp:
Date:	
Name:	

Product name: Lo	ong S	crew-Driver
Description: It is long hex driver to tighten screws	s. It is end	ough long to be into small hall to reach screws
It is made by VESSEL, JAPAN. Material of the long hex driver is stat	inlass sta	al L plastic
Characteristics:		
Mass:	0.019 k	σ
Outline dimensions: (w x h x l)		5 3 x 13 mm
Connector type:		
 Non military purpose 	1	
> No Pyrotechnics		
Contents:		
Long hex driver – 1pc		
Serial numbers:		P.O-150
Approval:		Signature / stamp:
Date:		
Name:		

Product name:	Small Set of Hexes
	7164" 9732" 5164" 1116 127 088 0.71 TIMIT DEALTH SET TEXT HEAL WARDEN SET
Description: It is small set of hex wrench set to cubesat and the inside of the cube	tighten socket screws. There are many socket screws in our
It is made by ENGINEER, JAPA	
Characteristics:	is sumless steer. The mount is prastic
Mass:	0.014 kg
Outline dimensions: (w x h x l)	56 x 43 x 8 mm
Connector type:	
Non military purpose	
> No Pyrotechnics	
Contents: Vernch 7/64 inch size - 1 Wrench 3/32 inch size - 1 Wrench 5/64 inch size - 1 Wrench 1/16 inch size - 1 Wrench 1.27 inch size - 1 Wrench 0.89 inch size - 1 Wrench 0.71 inch size - 1 Total quantity : 7	pc pc pc pc pc
Total quantity : 7 Serial numbers:	TWH - 02
Seriai numbers;	1 W11 - U2
Approval:	Signature / stamp:
Date:	
Name:	

Product name:	Vernier	Calipers
		1
Description:		
	things for me	echanic. It can be used for measure of depth,
thickness and so on.	NT	
It is made by MITUTOYO, JAPA		al and plantin
Material of the vernier calipers is Characteristics:	staniess stee	
Mass:	0 475 kg	×
Outline dimensions: (w x h x l)	0.475 kg	40 x 35 mm
Connector type:	J40 X 14	
 Non military purpose 		
 No Pyrotechnics 		
Contents:		
 Vernier calipers – 1pc 		
Serial numbers:		10362750
Approval:		Signature / stamp:
Date:		
Name:		

Product name: Set of Torque Wrenches



Description:

It is set of torque wrenches to tighten screws in proper torque.

It is made by UTICA, USA

Material of the set of torque wrench is stainless steel, and the case is plastic.

Characteristics: Mass: 0.619 kg 210 x 180 x 63 mm Outline dimensions: (w x h x l) Connector type: > Non military purpose > No Pyrotechnics **Contents:** \blacktriangleright Torque wrench – 1pcs \blacktriangleright Long neck (+)driver, size 0 - 2pcShort neck (+)driver, size 0 - 1pcShort neck (+)driver, size 1 - 1pc \blacktriangleright Long neck socket wrench, size 7/64 – 1pc \blacktriangleright Long neck socket wrench, size 1/16 - 1pc> Short neck socket wrench, size 0.035 - 1pcShort neck socket wrench, size 0.028 - 1 pc Short neck socket wrench, size 5/64 - 1pcShort neck socket wrench, size 1/16 - 1pcShort neck socket wrench, size 0.05 - 1 pc ➤ Total quantity : 12 Serial numbers: KT-100 **Approval:** Signature / stamp: Date: Name:

Product name:	Vertical Integration Support Jig
	OM clamps (to prevent damage to structure). ad on CubeSats, functional test of satellite systems and s.
Vertical support jig for CubeSat 2 fixed clamps and 2 adjustable Used for mounting external pay environmental testing of satellite ESD protection of structure thro Characteristics: Mass:	OM clamps (to prevent damage to structure). ad on CubeSats, functional test of satellite systems and s. gh additional ESD cable 0.677 kg
Vertical support jig for CubeSat 2 fixed clamps and 2 adjustable Used for mounting external pay environmental testing of satellite ESD protection of structure thro Characteristics:	OM clamps (to prevent damage to structure). ad on CubeSats, functional test of satellite systems and a. gh additional ESD cable
Vertical support jig for CubeSat 2 fixed clamps and 2 adjustable Used for mounting external pay environmental testing of satellite ESD protection of structure thro Characteristics: Mass:	OM clamps (to prevent damage to structure). ad on CubeSats, functional test of satellite systems and s. gh additional ESD cable 0.677 kg
Vertical support jig for CubeSat 2 fixed clamps and 2 adjustable Used for mounting external paylenvironmental testing of satellite ESD protection of structure thro Characteristics: Mass: Outline dimensions: (w x h x l) Connector type: ➤ Non military purpose ➤ No Pyrotechnics Contents:	OM clamps (to prevent damage to structure). ad on CubeSats, functional test of satellite systems and s. gh additional ESD cable 0.677 kg 200 x 120 x 200 mm (assembled)
Vertical support jig for CubeSat 2 fixed clamps and 2 adjustable Used for mounting external payl environmental testing of satellite ESD protection of structure thro Characteristics: Mass: Outline dimensions: (w x h x l) Connector type: > Non military purpose > No Pyrotechnics	OM clamps (to prevent damage to structure). ad on CubeSats, functional test of satellite systems and s. gh additional ESD cable 0.677 kg 200 x 120 x 200 mm (assembled)
Vertical support jig for CubeSat 2 fixed clamps and 2 adjustable Used for mounting external payle environmental testing of satellite ESD protection of structure thro Characteristics: Mass: Outline dimensions: (w x h x l) Connector type:	OM clamps (to prevent damage to structure). ad on CubeSats, functional test of satellite systems and s. gh additional ESD cable 0.677 kg 200 x 120 x 200 mm (assembled)
Vertical support jig for CubeSat 2 fixed clamps and 2 adjustable Used for mounting external paylenvironmental testing of satellite ESD protection of structure thro Characteristics: Mass: Outline dimensions: (w x h x l) Connector type:	OM clamps (to prevent damage to structure). ad on CubeSats, functional test of satellite systems and s. gh additional ESD cable 0.677 kg 200 x 120 x 200 mm (assembled) ort Jig VISJ

Product name: D	yneen	na Thread
		Work's Scholkstratter Meeting Service
Description: It is a roll of dyneema thread.		
It is made by XIYUECHUPIN, Chir		
It is used for spare burn-wire of Cub	eSat anter	nna.
Characteristics:	0.0541	
Mass:	0.054 kg	
Outline dimensions:	R60	
Connector type:		
Non military purposeNo Pyrotechnics		
Contents:		
 ➢ Dyneema Thread (1 roll) 		
Serial numbers:		
Approval:		Signature / stamp:
Date:		
Name:		

Product name:	NT USB 3.	0 AM to BM Cable	
Product name: TNT USB 3.0 AM to BM Cable			
Description: It is a USB 3.0 cable made by NetN			
		ptop during functional test of satellite	
systems and environmental testing	f satellites.		
Characteristics:	0.0551		
Mass:	0.055 kg		
Outline dimensions: (w x h x l)			
	Connector type: USB 3.0 Standard-A, Standard-B		
Non military purpose			
> No Pyrotechnics			
Contents: → TNT USB 3.0 AM to BM Cable			
Serial numbers:			
Approval:	Signatu	re / stamp:	
Date:			
Name:			

Product name: P	ersonal Laptop		
reisonar Laptop			
Description: These are laptops and made by GIGA Used for functional test of satellite s	ABYTE. ystems of satellites.		
Characteristics:			
Mass:	3.2 kg		
Outline dimensions: (w x d x h)			
Connector type:			
Non military purpose	1		
> No Pyrotechnics			
Contents: → Laptop (GIGABYTE P272K) → Power Adaptor)		
Serial numbers:			
Approval:	Signature / stamp:		
Date:			
Name:			

Product name: AC/DC Switching Adaptor



Description:

AC/DC Switching adaptor for switching the AC voltage to the DC voltage. Power Consumption : 20 W max

It is made by MeanWell

Characteristics:

Characteristics:		
Mass:	0.393 kg	
Outline dimensions: (w x h x l)		
Connector type:	CEE 7/16, 60Hz, 220V~, 0.7 A	
Non military purpose		
No Pyrotechnics		
Contents:		
➤ 220Vac to 5 Vdc switching p	ower adapter	
➤ CEE 7/16 power cable		
Serial numbers:		
Approval:	Signature / stamp:	
Date:		
Name:		

Product name:	roduct name: TNT USB 3.0 to mini 5 pin Cable		
Description: This cable is made by Netmate.			
It is used to communicate between	n PC and Cu	beSat.	
Characteristics:			
Mass:	0.018 k	g	
Outline dimensions: (w x h x l)	360 mm (length)		
Connector type:	USB 3.0 Standard-A, Micro 5 pin		
Non military purpose			
No Pyrotechnics			
Contents: → TNT USB 3.0 to mini 5 pin cable			
Serial numbers:			
Approval:		Signature / stamp:	
Date:			
Name:			

Product name:	ST-LINK/V2 programmer for STM32		
Troduct maine: DT En de V2 programmer for DTM32			
Description: It is made by STMicroelectronics.			
In-circuit debugger and programm	ner		
Characteristics:	0.0101		
Mass:	0.018 kg		
Outline dimensions: (w x h x l)			
Connector type: ➤ Non military purpose ➤ No Pyrotechnics	USB standard A to JTAG 4-pin pitch 2.54 mm		
Contents: → ST-LINK V2 USB program → pitch 2.54 mm 4 pin femal	mmer le cable.		
Serial numbers:			
Approval:	Signature / stamp:		
Date:			
Name:			

Product name:	ower removal junction PCH	}
Description: It is used to remove power supply CubeSat. It is made by Kyung Hee Universi	ne PCB from PC to CubeSat and to upload FS	SW from PC to
Characteristics:		
Mass:	0.007 kg	
Outline dimensions: (w x h x l)	30 x 25 mm	
Connector type: USB and Micro 5 pin		
 Non military purpose No Pyrotechnics 		
Contents:		
Junction PCB		
Serial numbers:		
Approval:	Signature / stamp:	
Date:		
Name:		