



PHIHONG TECHNOLOGY CO., LTD.

PHIHONG Technology CO., LTD

Phihong P/N POE60U-1BT-5A-R

Aruba P/N 2510126

Power over Ethernet Midspan Specification



PHIHONG TECHNOLOGY CO., LTD.

PHIHONG TECHNOLOGY CO., LTD.
SWITCHING POWER SUPPLY GROUP
TAIPEI TAIWAN R.O.C.

GENERAL SPECIFICATION OF: POE60U-1BT-5A-R

ISSUED: April 23, 2019

REV: A2

REVISIONS			ENG.	CHECK	SAFETY	APP.
LTR	#	DESCRIPTION	DATE	DATE	DATE	DATE
A	1	Initial	RF 4/23/19	RF 4/23/19	RF 4/23/19	RF 4/23/19
	2	Update LED indication	HG 3/19/2020	HG 3/19/2020	HG 3/19/2020	HG 3/19/2020

ENG. DATE	CHECK DATE	SAFETY DATE	APP. DATE
JD 4/9/2019	JD 4/9/2019	JD 4/9/2019	JD 4/9/2019



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The specification applies to the following Power Over Ethernet Midspan Models:

<u>MODEL NAME</u>	<u>DESCRIPTION</u>
POE60U-1BT-5A-R	Aruba 5Gbps - Single Port: 56V, 1.07A (IEEE802.3bt), Level 6



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SWITCHING POWER SUPPLY SPECIFICATION

MODEL NAME: POE60U-1BT-5A-R
DWG NO.: PES14373

REV: A2

1.0 INPUT

- | | | |
|-----|---------------------------|---|
| 1.1 | AC Input Voltage Rating: | 100VAC to 240VAC |
| 1.2 | AC Input Voltage Range: | 90VAC to 264VAC |
| 1.3 | AC Input Current: | 2.0A(RMS) 90VAC @ Max Load
1.2A(RMS) 240VAC at Max Load |
| 1.4 | AC Input Frequency: | 47Hz to 63Hz |
| 1.5 | AC In-rush Current (Max): | 40A for 115VAC @ Max Load
80A for 230VAC @ Max Load
(Cold Start @ 25°C) |

2.0 OUTPUT

- | | | |
|-------|-------------------------|---|
| 2.1 | OUTPUT VOLTAGE (Vout): | |
| 2.1.1 | Output #1 | +56Vdc (nominal) +1/-3V (57-53Vdc)
On data pairs 3,6(+) and 1,2(-)
Includes line and load regulation and temperature
Voltage to be measured within 2" of the output RJ45 connector |
| 2.1.2 | Output #2 | +56Vdc (nominal) +1/-3V (57-53Vdc)
On spare pairs 4,5(+) and 7,8(-)
Includes line and load regulation and temperature
Voltage to be measured within 2" of the output RJ45 connector |
| 2.1.3 | Output #1 & #2 Combined | +56Vdc (nominal) +1/-3V (57-53Vdc)
On combined pairs 3,4,5,6 (+) & 1,2,7,8 (-)
Includes line and load regulation and temperature
Voltage to be measured within 2" of the output RJ45 connector |
| 2.2 | Min Load Current: | *For Production Testing Only using POE90D (57-51Vdc)
10mA |
| 2.3 | Max Load Current: | |
| 2.3.1 | Output #1 | 535mA for IEEE802.3at/bt,
275mA for IEEE802.3af (25K Only) |
| 2.3.2 | Output #2 | 535mA for IEEE802.3at/bt
275mA for IEEE802.3af (25K Only) |
| 2.3.3 | Output #1 & #2 Combines | 1.07A for IEEE802.3bt & 12.5K |
| 2.4 | Line Regulation: | See 2.1 |
| 2.5 | Load Regulation | See 2.1 |

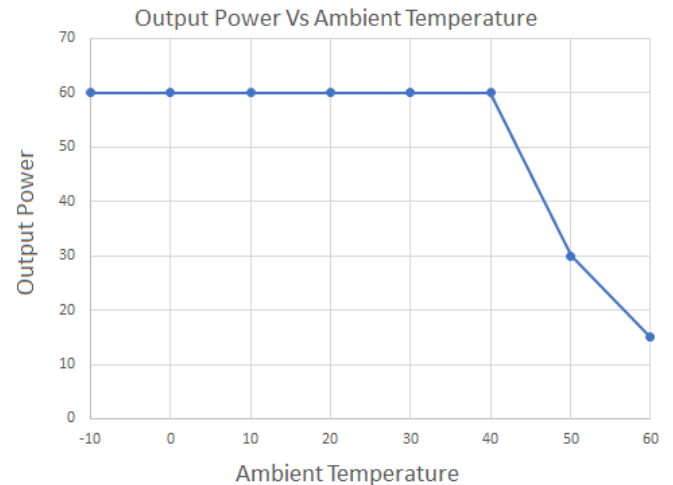


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- 2.6 Ripple & Noise Voltage (Vp-p): 200mV max @ 25C, 100-240VAC
(350mV for Production Testing)
Measured within 2 inches of RJ45 with by-pass capacitors
0.1uf/10uf at output connector terminal & oscilloscope set at
20Mhz (tested by oscilloscope).
- 2.7 Detection Standards:
Output #1 – IEEE802.3af/at/bt
Output #2 – IEEE802.3af/at/bt
Output #1 & #2 – IEEE802.3bt & 12.5K

3.0 OVERALL PERFORMANCE

- 3.1 Total Output Power: 60W @ 40C, 30W @ 50C, 15W @ 60C



- 3.2 Efficiency: DOE LEVEL 6 Tier 2
- 3.3 Hold Up Time: **80% @ Max Load 120VAC 60Hz for Production Only**
10m Sec. Min. at Max. load, and 120VAC 60Hz.
The time starts when the ac power is removed and when
the output voltage reaches 44Vdc.
(NOT FOR PRODUCTION TESTING)
- 3.4 Transient OVP: 60V max at switch on and off at any AC line
(NOT FOR PRODUCTION TESTING)
- 3.5 Turn on Delay Time: 7 sec Max @ Full Load Include Detection
@ 120VAC 60 Hz
(NOT FOR PRODUCTION TESTING)



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4.0 FEATURES:

4.1 Overall Current Protection:

- 4.1.1 Output #1 < 650mA
- 4.1.2 Output #2 < 650mA
- 4.1.3 Output #1 & #2 < 1300mA
- 4.1.4 For 12.5K, Output #1 & #2 < 1500mA

4.2 Over Voltage Protection: 120V for less than (<) 0.2 Seconds **(NOT FOR PRODUCTION TESTING)**

4.3 Leakage Current: 3.5mA Max for 264VAC 50Hz **(NOT FOR PRODUCTION TESTING)**

4.4 Short Circuit Protection: The output can be shorted permanently without damage.

4.5 Indicators:

- 4.5.1 Solid Green Detection/Connection Valid & Output "ON"
- 4.5.2 Blink Amber (short, slow) Waiting for Valid Connection/Detection
- 4.5.3 Blink Amber (long, fast) Fault Condition (Over Current or Shorted)
- 4.5.4 Blink Amber & Green Detection is Invalid



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5.0 ENVIRONMENT:

5.1	Altitude:	Operation:	10,000 Feet Max
		Non-Operation:	40,000 Feet Max
5.2	Temperature:	Operation:	-10°C to 60°C
5.3	Non-Operation:		-20°C to 65 °C
5.4	Temperature Coefficient:		0.04% /°C max over entire operating temp
5.5	Relative Humidity:	Operation:	5% to 90%
		Non-Operation:	5% to 90%
5.6	Vibration:	Frequency Range:	10-55Hz
		Amplitude	2G over entire Frequency Range
		Sweep	1 Minute for X, Y, Z axis, each cycle 20
5.7	EMI:	EN55022/EN55032 & FCC Part 15 Class B	
5.8	EMC Immunities:	IEC61000-4-2 (ESD)	Level 3
		IEC61000-4-3(RS)	Level 3
		IEC61000-4-4(EFT)	Level 2
		IEC61000-4-3(Surge)	
		L-L	Level 4
		L-PE	Level 4
		IEC61000-4-3(CS)	Level 2
		IEC61000-4-11(DIPS)	
		IEC61000-3-2(Harmonic)	Class A

6.0 SAFETY REQUIREMENTS:

UL	60950-1: 2003, 1 st Edition
CUL 22.2 No	60950-1: 2003, 1 st Edition
IEC/EN	60950-1: 2001
CE	
UL/IEC	62368

7.0 DIELECTRIC WITHSTAND (HI-POT):

7.1	Primary to Secondary:	4242VDC for 1 minute 10mA Production Test: 8S Ramp Up to 2-3S Dwell Time then 8S Ramp Down
7.2	Primary to Earth Ground:	2121VDC for 1 minute 10mA Production Test: 8S Ramp Up to 2-3S Dwell Time then 8S Ramp Down
7.3	Secondary to Earth Ground:	NOT REQUIRED



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- 8.0 INSULATION RESISTANCE:
- 8.1 Primary to Secondary: >10M OHM 500VDC
 - 8.2 Primary to Earth Ground: >10M OHM 500VDC
 - 8.3 Secondary to Earth Ground: NOT REQUIRED
- 9.0 MTBF For 25 °C Ambient Temperature Operation
>150KHRS Min @ Max Load @ 115VAC
- 10.0 MECHANICAL:
- 10.1 Dimensions:
 - 10.1.1 Length: 6.53 inches (166 mm)
 - 10.1.2 Width: 3.15 inches (80 mm)
 - 10.1.3 Height: 1.73 inches (44 mm)
 - 10.2 Weight: 0.5 Kg
- 11.0 INPUT CONNECTION: C14 AC inlet
- 12.0 OUTPUT CONNECTION: FEMALE RJ45
- 12.1 POE60U-1BT-5A-R
 - 12.1.1 Data Input: CN5 Right
 - 12.1.2 Power/Data Output: CN5 Left
- 13.0 DROP TEST: Height for drop test is 61cm
- 14.0 DATA COMMUNICATION SPEEDS:

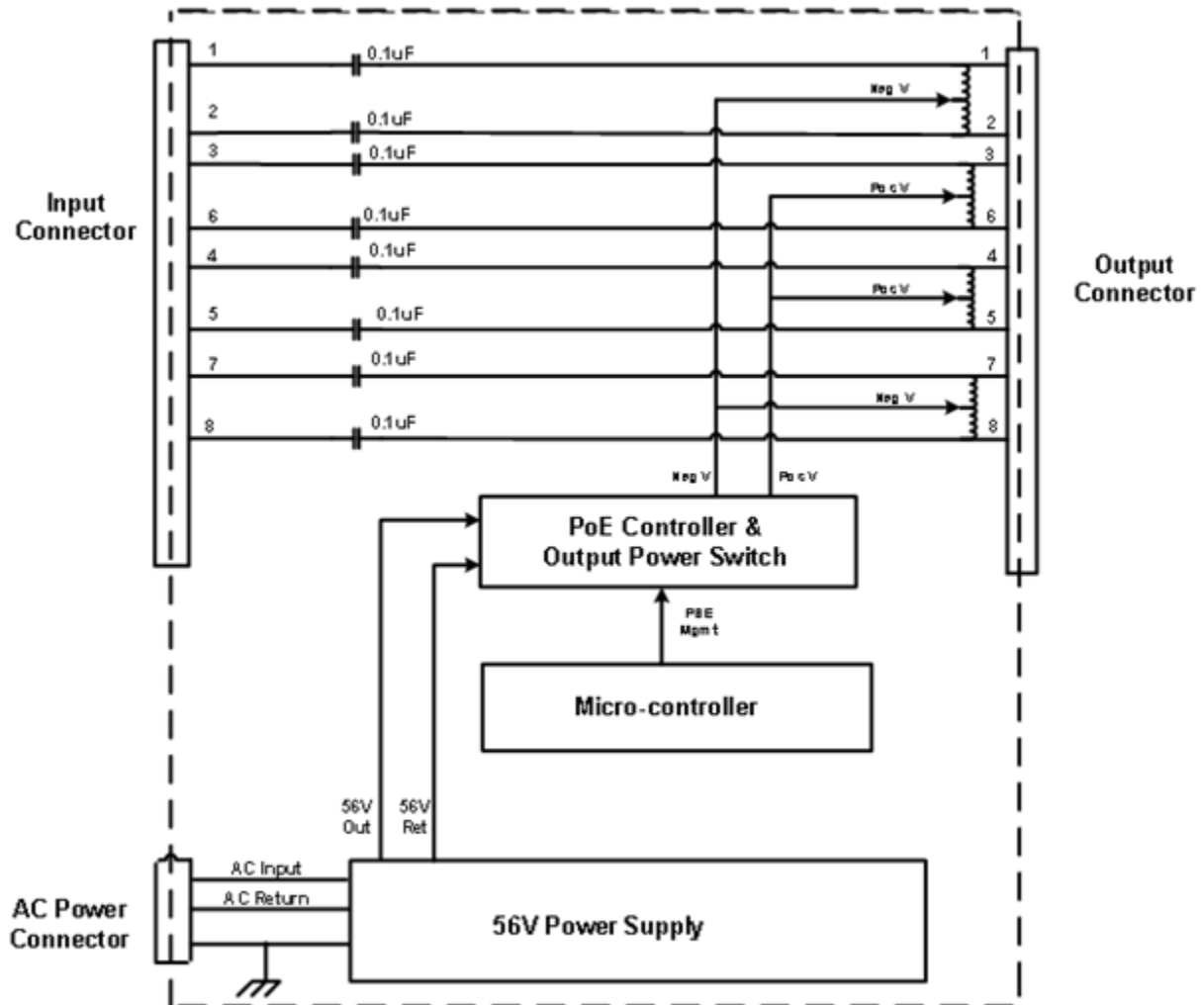
MODEL NAME	DATA SPEED MAXIMUMS	MAX	STANDARD
POE60U-1BT -5A-R	10/100/1000/2500/5000 Mbps	5G	IEEE802.3bz





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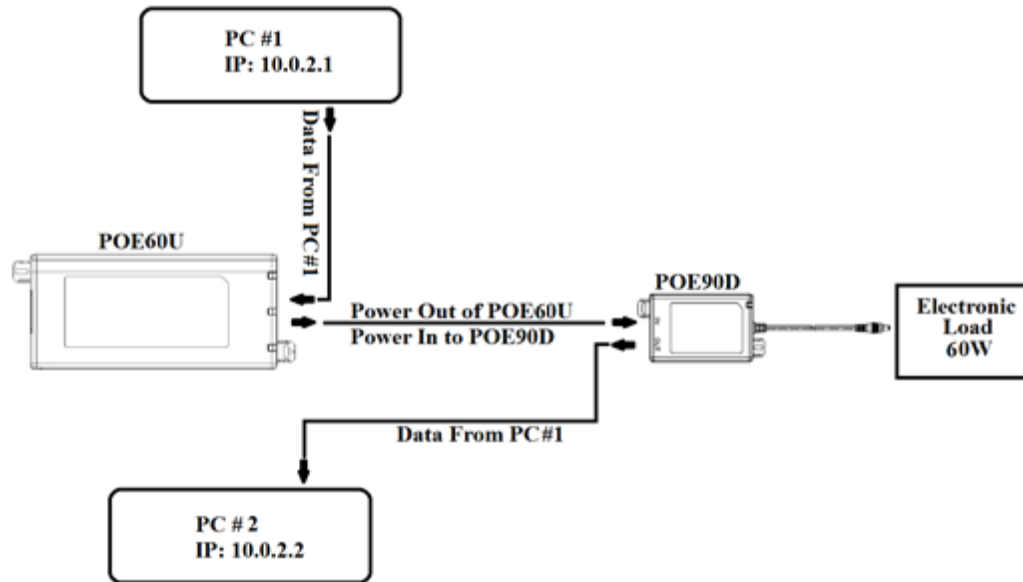
APPENDIX A – POE INJECTION METHOD AND PIN OUT





APPENDIX B – POE OUTPUT POWER AND DATA TESTING

TEST SET UP DIAGRAM:



EQUIPMENT:

- 2pcs Computer (PC)
 - PC#1 IP Address set for 10.0.2.1
 - PC#2 IP Address set for 10.0.2.2
- 3pcs Ethernet Cable
- 1pc AC cord (for POE60U)
- 1pc Electronic Load
- 1pc POE60U-1BT-5A-R
- 1pc POE90D
- Electronic Load set for 60W

TEST PROCEDURE

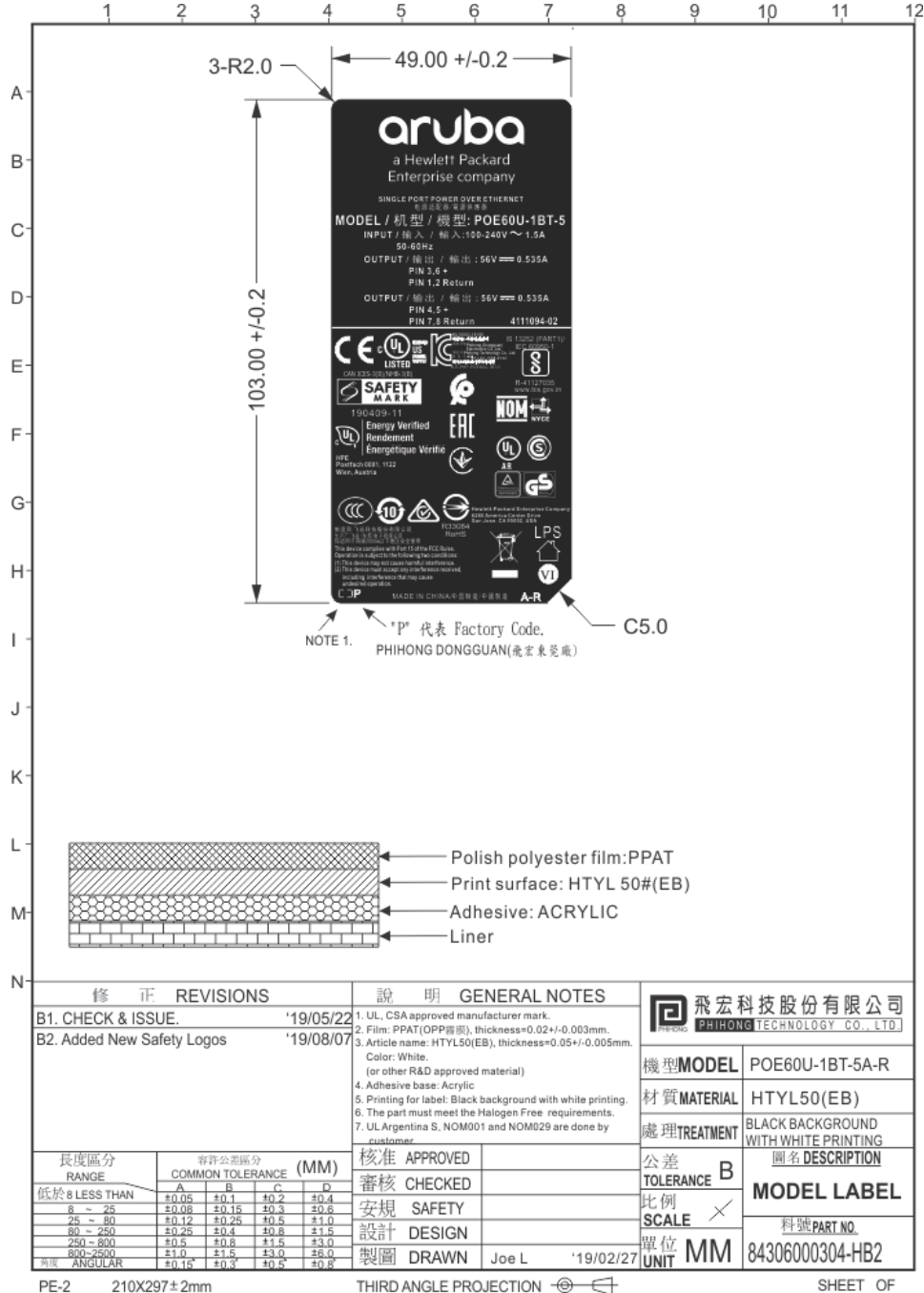
1. Connect equipment as shown in the above.
2. Turn on POE60U
3. Verify that output of POE90D is 60W at electronic load
4. ON PC#1 enter the command prompt and type: ping 10.0.2.2
5. ON PC#2 enter the command prompt and type: ping 10.0.2.1
6. Verify no packets lost.
7. Test Complete



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APPENDIX C – PRODUCT LABELING

MODEL LABEL:





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Model Label :

aruba
a Hewlett Packard
Enterprise company

SINGLE PORT POWER OVER ETHERNET
电源适配器/电源供应器

MODEL / 机型 / 機型: POE60U-1BT-5

INPUT / 输入 / 輸入: 100-240V ~ 1.5A
50-60Hz

OUTPUT / 输出 / 輸出: 56V === 0.535A
PIN 3,6 +
PIN 1,2 Return

OUTPUT / 输出 / 輸出: 56V === 0.535A
PIN 4,5 +
PIN 7,8 Return 4111094-02

CE c UL LISTED E127843 US POWER SUPPLY

CAN ICES-3(B)/NMB-3(B)

SAFETY MARK 190409-11

Energy Verified Rendement Énergétique Vérifié

HPE Postfach 0001, 1122 Wien, Austria

CCC 10

RoHS R33084

IS 13252 (PART1)/ IEC 60950-1

R-41127035 www.bis.gov.in

NOM NYCE

UL AR

GS

Hewlett-Packard Enterprise Company
6280 America Center Drive
San Jose, CA 95002, USA

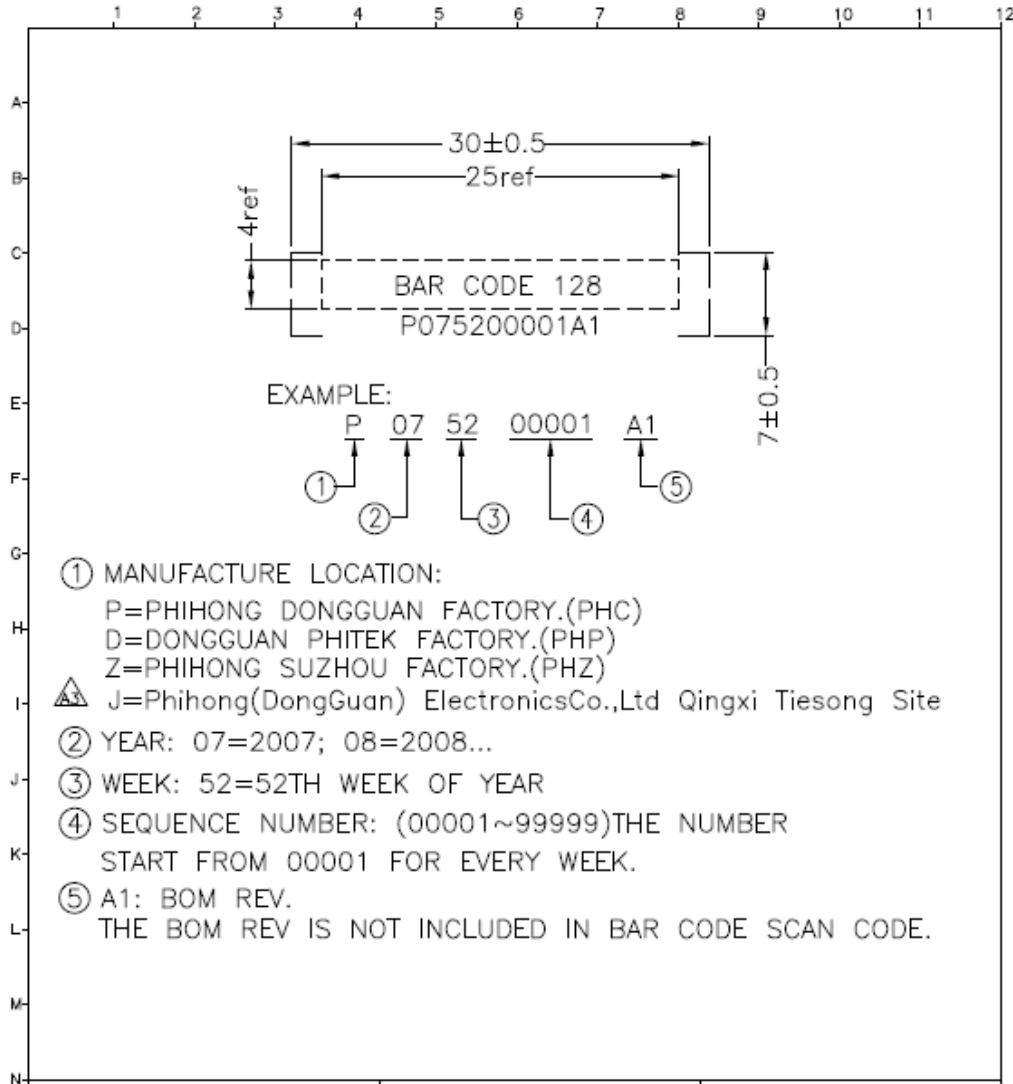
制造商: 飞宏科技股份有限公司
生产厂: 飞宏(东莞)电子有限公司
仅适用于海拔2000m以下地区安全使用
This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received,
including interference that may cause
undesired operation.

MADE IN CHINA/中国制造/中国製造 A-R



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BAR CODE LABEL:



① MANUFACTURE LOCATION:

P=PHIHONG DONGGUAN FACTORY.(PHC)

D=DONGGUAN PHITEK FACTORY.(PHP)

Z=PHIHONG SUZHOU FACTORY.(PHZ)

△ J=Phihong(DongGuan) ElectronicsCo.,Ltd Qingxi Tiesong Site

② YEAR: 07=2007; 08=2008...

③ WEEK: 52=52TH WEEK OF YEAR

④ SEQUENCE NUMBER: (00001~99999)THE NUMBER
START FROM 00001 FOR EVERY WEEK.

⑤ A1: BOM REV.

THE BOM REV IS NOT INCLUDED IN BAR CODE SCAN CODE.

修 正 REVISIONS		說 明 GENERAL NOTES		飛宏科技股份有限公司 PHIHONG TECHNOLOGY CO., LTD.	
A1. CHECK & ISSUE '07/12/26		1.THE CONTENTS ①②③④⑤ IN DRAWING BY PRODUCTION CONTROL DEP. FROM ME		機型 MODEL	PSAA05A-050(GM)-R
A2. ADD NOTE: 5. '08/11/19		2.MATERIAL:HTLW 25# TEMP RANGE:-20°C~85°C.		材質 MATERIAL	SEE NOTES.
A3. ADD FACTORY J. '18/11/27		3.AIRLINE BASECIRCUIT.		處理 TREATMENT	WHITE BACKGROUND WITH BLACK PRINTING.
		4.THE BAR CODE LABEL MUST MEET WITH THE REQUIREMENT OF RUHS.		公差 C TOLERANCE	圖名 DESCRIPTION
		5.Sheet/Print/Wire & cable must be procured SONY from GP certified raw materials supplier.		比例 SCALE	BAR CODE
				單位 UNIT	料號 PART NO.
					84200500242-HA3

PE-2 210X297±2MM THIRD ANGLE PROJECTION

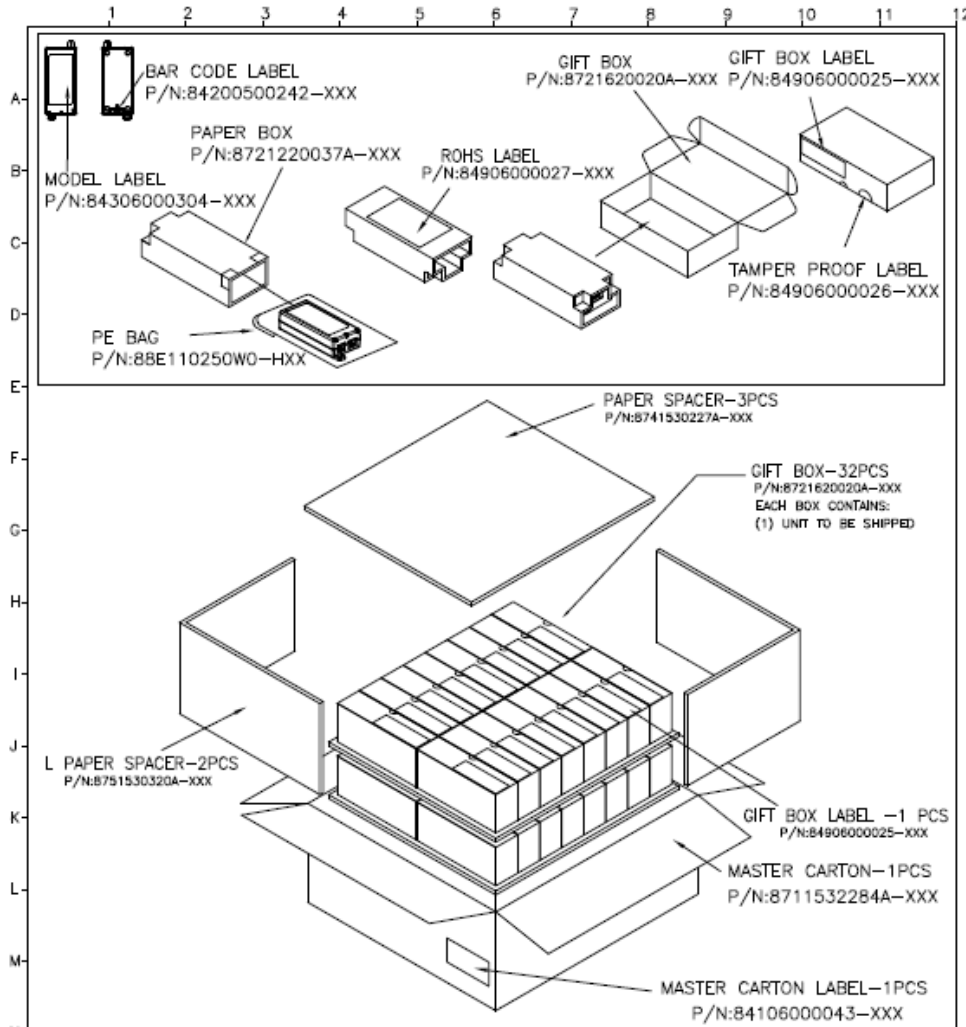
SHEET 1 OF 1



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APPENDIX D – PACKING

PACKING PROCESS:



修 正 REVISIONS		說 明 GENERAL NOTES		飛宏科技股份有限公司 PIHIHONG TECHNOLOGY CO., LTD.	
01. Preliminary '19/02/11		1. 每台成品須裝入 88A110250W0-HXX PE BAG 內,在裝入87212 20037A-HXX禮盒內.		機 型 MODEL POE60U-1BT-5A-R	
02. Added Rohs, Tamper '19/03/28		2. 依包裝程序將外紙箱裝滿後,再行封箱,每箱2層,每層成品16PCS 每箱數量 32PCS,每箱數量裝滿後封箱.		材 質 MATERIAL	
03. Corrected GB QTY '19/04/10				處理 TREATMENT	
長度區分 RANGE		容許公差區分 (MM) TOLERANCE		公 差 TOLERANCE	
低於 8 LESS THAN		A B C D		圖 名 DESCRIPTION	
8 ~ 25		±0.05 ±0.1 ±0.2 ±0.4		PACKING PROCESS	
25 ~ 60		±0.08 ±0.15 ±0.3 ±0.6		比例 SCALE	
60 ~ 80		±0.12 ±0.25 ±0.5 ±1.0		單位 UNIT	
80 ~ 250		±0.25 ±0.4 ±0.8 ±1.5		MM	
250 ~ 800		±0.5 ±1.0 ±1.5 ±3.0		PES69587	
800 ~ 2500		±1.0 ±1.5 ±3.0 ±5.0		03	
大 量 批 發		±0.15 ±0.3 ±0.5 ±0.8			
PE-2		210X297±2MM THIRD ANGLE PROJECTION			
		核准 APPROVED			
		審核 CHECKED			
		設計 DESIGN		JOE LY	
		製 圖 DRAWN		'19/02/11	

機 型 MODEL	POE60U-1BT-5A-R
材 質 MATERIAL	
處 理 TREATMENT	
公 差 TOLERANCE	圖 名 DESCRIPTION
比 例 SCALE	PACKING PROCESS
單 位 UNIT	MM
	PES69587 03

SHEET 1 OF 2



16 | P a g e



修正 REVISIONS		說明 GENERAL NOTES		 飛宏科技股份有限公司 PHIHONG TECHNOLOGY CO., LTD.
A1.CHECK & ISSUE. '07/09/18 B1.RELEASE FOR MP. '18/10/16		1.THE POLY BAG SHALL BE MADE OF LOW DENSITY POLYETHYLENE RECYCLE #4 MATERIAL. 2.POLY BAG COLOUR:TRANSPARENT. 3.THE RECYCLE MARK A & B ARE BLACK PRINTING. 4.THE POLY BAG MUST MEET HALOGEN FREE REQUIREMENTS. 5.以上尺寸均為參考尺寸		
長度區分 RANGE	容許公差區分 COMMON TOLERANCE	(MM)		機型 MODEL
低於 0.1 LESS THAN	A B C D			PSA16U-480(GR)-R
0 ~ 25	±0.05 ±0.1 ±0.2 ±0.4			材質 MATERIAL
25 ~ 50	±0.08 ±0.15 ±0.3 ±0.6			LDPE(T=0.06mm)
50 ~ 80	±0.12 ±0.25 ±0.5 ±1.0			處理 TREATMENT
80 ~ 250	±0.25 ±0.4 ±0.8 ±1.5			
250 ~ 500	±0.5 ±0.8 ±1.5 ±3.0			公差 TOLERANCE
500 ~ 2500	±1.0 ±1.5 ±3.0 ±6.0			圖名 DESCRIPTION
2500 ~ 8000	±1.5 ±3.0 ±6.0 ±12.0			RECYCLE PLASTIC BAG
8000 ~ 25000	±3.0 ±6.0 ±12.0 ±25.0			比例 SCALE
25000 ~ 80000	±6.0 ±12.0 ±25.0 ±50.0			單位 UNIT
80000 ~ 250000	±12.0 ±25.0 ±50.0 ±100.0			MM
250000 ~ 800000	±25.0 ±50.0 ±100.0 ±200.0			88E110250W0-HB1
800000 ~ 2500000	±50.0 ±100.0 ±200.0 ±400.0			
2500000 ~ 8000000	±100.0 ±200.0 ±400.0 ±800.0			
8000000 ~ 25000000	±200.0 ±400.0 ±800.0 ±1600.0			
25000000 ~ 80000000	±400.0 ±800.0 ±1600.0 ±3200.0			
80000000 ~ 250000000	±800.0 ±1600.0 ±3200.0 ±6400.0			
250000000 ~ 800000000	±1600.0 ±3200.0 ±6400.0 ±12800.0			
800000000 ~ 2500000000	±3200.0 ±6400.0 ±12800.0 ±25600.0			
2500000000 ~ 8000000000	±6400.0 ±12800.0 ±25600.0 ±51200.0			
8000000000 ~ 25000000000	±12800.0 ±25600.0 ±51200.0 ±102400.0			
25000000000 ~ 80000000000	±25600.0 ±51200.0 ±102400.0 ±204800.0			
80000000000 ~ 250000000000	±51200.0 ±102400.0 ±204800.0 ±409600.0			
250000000000 ~ 800000000000	±102400.0 ±204800.0 ±409600.0 ±819200.0			
800000000000 ~ 2500000000000	±204800.0 ±409600.0 ±819200.0 ±1638400.0			
2500000000000 ~ 8000000000000	±409600.0 ±819200.0 ±1638400.0 ±3276800.0			
8000000000000 ~ 25000000000000	±819200.0 ±1638400.0 ±3276800.0 ±6553600.0			
25000000000000 ~ 80000000000000	±1638400.0 ±3276800.0 ±6553600.0 ±13107200.0			
80000000000000 ~ 250000000000000	±3276800.0 ±6553600.0 ±13107200.0 ±26214400.0			
250000000000000 ~ 800000000000000	±6553600.0 ±13107200.0 ±26214400.0 ±52428800.0			
800000000000000 ~ 2500000000000000	±13107200.0 ±26214400.0 ±52428800.0 ±104857600.0			
2500000000000000 ~ 8000000000000000	±26214400.0 ±52428800.0 ±104857600.0 ±209715200.0			
8000000000000000 ~ 25000000000000000	±52428800.0 ±104857600.0 ±209715200.0 ±419430400.0			
25000000000000000 ~ 80000000000000000	±104857600.0 ±209715200.0 ±419430400.0 ±838860800.0			
80000000000000000 ~ 250000000000000000	±209715200.0 ±419430400.0 ±838860800.0 ±1677721600.0			
250000000000000000 ~ 800000000000000000	±419430400.0 ±838860800.0 ±1677721600.0 ±3355443200.0			
800000000000000000 ~ 2500000000000000000	±838860800.0 ±1677721600.0 ±3355443200.0 ±6710886400.0			
2500000000000000000 ~ 8000000000000000000	±1677721600.0 ±3355443200.0 ±6710886400.0 ±13421772800.0			
8000000000000000000 ~ 25000000000000000000	±3355443200.0 ±6710886400.0 ±13421772800.0 ±26843545600.0			
25000000000000000000 ~ 80000000000000000000	±6710886400.0 ±13421772800.0 ±26843545600.0 ±53687091200.0			
80000000000000000000 ~ 250000000000000000000	±13421772800.0 ±26843545600.0 ±53687091200.0 ±107374182400.0			
250000000000000000000 ~ 800000000000000000000	±26843545600.0 ±53687091200.0 ±107374182400.0 ±214748364800.0			
800000000000000000000 ~ 2500000000000000000000	±53687091200.0 ±107374182400.0 ±214748364800.0 ±429496729600.0			
2500000000000000000000 ~ 8000000000000000000000	±107374182400.0 ±214748364800.0 ±429496729600.0 ±858993459200.0			
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25000000000000000000000 ~ 80000000000000000000000	±429496729600.0 ±858993459200.0 ±1717986918400.0 ±3435973836800.0			
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2500000000000000000000000 ~ 8000000000000000000000000	±6871947673600.0 ±13743895347200.0 ±27487790694400.0 ±54975581388800.0			
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8000000000000000000000000000 ~ 25000000000000000000000000000	±879609302220800.0 ±1759218604441600.0 ±3518437208883200.0 ±7036874417766400.0			
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80000000000000000000000000000000 ~ 250000000000000000000000000000000	±225179981368524800.0 ±450359962737049600.0 ±900719925474099200.0 ±1801439850948198400.0			
250000000000000000000000000000000 ~ 800000000000000000000000000000000	±450359962737049600.0 ±900719925474099200.0 ±1801439850948198400.0 ±3602879701896396800.0			
800000000000000000000000000000000 ~ 2500000000000000000000000000000000	±900719925474099200.0 ±1801439850948198400.0 ±3602879701896396800.0 ±7205759403792793600.0			
2500000000000000000000000000000000 ~ 8000000000000000000000000000000000	±1801439850948198400.0 ±3602879701896396800.0 ±7205759403792793600.0 ±14411518807585587200.0			
8000000000000000000000000000000000 ~ 25000000000000000000000000000000000	±3602879701896396800.0 ±7205759403792793600.0 ±14411518807585587200.0 ±28823037615171174400.0			
25000000000000000000000000000000000 ~ 80000000000000000000000000000000000	±7205759403792793600.0 ±14411518807585587200.0 ±28823037615171174400.0 ±57646075230342348800.0			
80000000000000000000000000000000000 ~ 250000000000000000000000000000000000	±14411518807585587200.0 ±28823037615171174400.0 ±57646075230342348800.0 ±115292150460684697600.0			
250000000000000000000000000000000000 ~ 800000000000000000000000000000000000	±28823037615171174400.0 ±57646075230342348800.0 ±115292150460684697600.0 ±230584300921369395200.0			
800000000000000000000000000000000000 ~ 2500000000000000000000000000000000000	±57646075230342348800.0 ±115292150460684697600.0 ±230584300921369395200.0 ±461168601842738790400.0			
2500000000000000000000000000000000000 ~ 8000000000000000000000000000000000000	±115292150460684697600.0 ±230584300921369395200.0 ±461168601842738790400.0 ±922337203685477580800.0			
8000000000000000000000000000000000000 ~ 25000000000000000000000000000000000000	±230584300921369395200.0 ±461168601842738790400.0 ±922337203685477580800.0 ±1844674407370955161600.0			
25000000000000000000000000000000000000 ~ 80000000000000000000000000000000000000	±461168601842738790400.0 ±922337203685477580800.0 ±1844674407370955161600.0 ±3689348814741910323200.0			
80000000000000000000000000000000000000 ~ 250000000000000000000000000000000000000	±922337203685477580800.0 ±1844674407370955161600.0 ±3689348814741910323200.0 ±7378697629483820646400.0			
250000000000000000000000000000000000000 ~ 800000000000000000000000000000000000000	±1844674407370955161600.0 ±3689348814741910323200.0 ±7378697629483820646400.0 ±14757395248967641292800.0			
800000000000000000000000000000000000000 ~ 2500000000000000000000000000000000000000	±3689348814741910323200.0 ±7378697629483820646400.0 ±14757395248967641292800.0 ±29514790497935282585600.0			
2500000000000000000000000000000000000000 ~ 8000000000000000000000000000000000000000	±7378697629483820646400.0 ±14757395248967641292800.0 ±29514790497935282585600.0 ±59029580995870565171200.0			
8000000000000000000000000000000000000000 ~ 25000000000000000000000000000000000000000	±14757395248967641292800.0 ±29514790497935282585600.0 ±59029580995870565171200.0 ±118059161991741130342400.0			
25000000000000000000000000000000000000000 ~ 800	±29514790497935282585600.0 ±59029580995870565171200.0 ±118059161991741130342400.0 ±236118323983482260684800.0			
800 ~ 2500	±59029580995870565171200.0 ±118059161991741130342400.0 ±236118323983482260684800.0 ±472236647966964521369600.0			
2500 ~ 8000	±118059161991741130342400.0 ±236118323983482260684800.0 ±472236647966964521369600.0 ±944473295933929042739200.0			
8000 ~ 25000	±236118323983482260684800.0 ±472236647966964521369600.0 ±944473295933929042739200.0 ±1888946491867858085478400.0			
25000 ~ 800	±472236647966964521369600.0 ±944473295933929042739200.0 ±1888946491867858085478400.0 ±3777892983735716171156800.0			
800 ~ 2500	±944473295933929042739200.0 ±1888946491867858085478400.0 ±3777892983735716171156800.0 ±7555785967471432342313600.0			
2500 ~ 8000	±1888946491867858085478400.0 ±3777892983735716171156800.0 ±7555785967471432342313600.0 ±15111571934942832684327200.0			
8000 ~ 25000	±3777892983735716171156800.0 ±7555785967471432342313600.0 ±15111571934942832684327200.0 ±30223143869885665364654400.0			
25000 ~ 800	±7555785967471432342313600.0 ±15111571934942832684327200.			

PE-2 210X297±2MM THIRD ANGLE PROJECTION

SHEET 1 OF 1

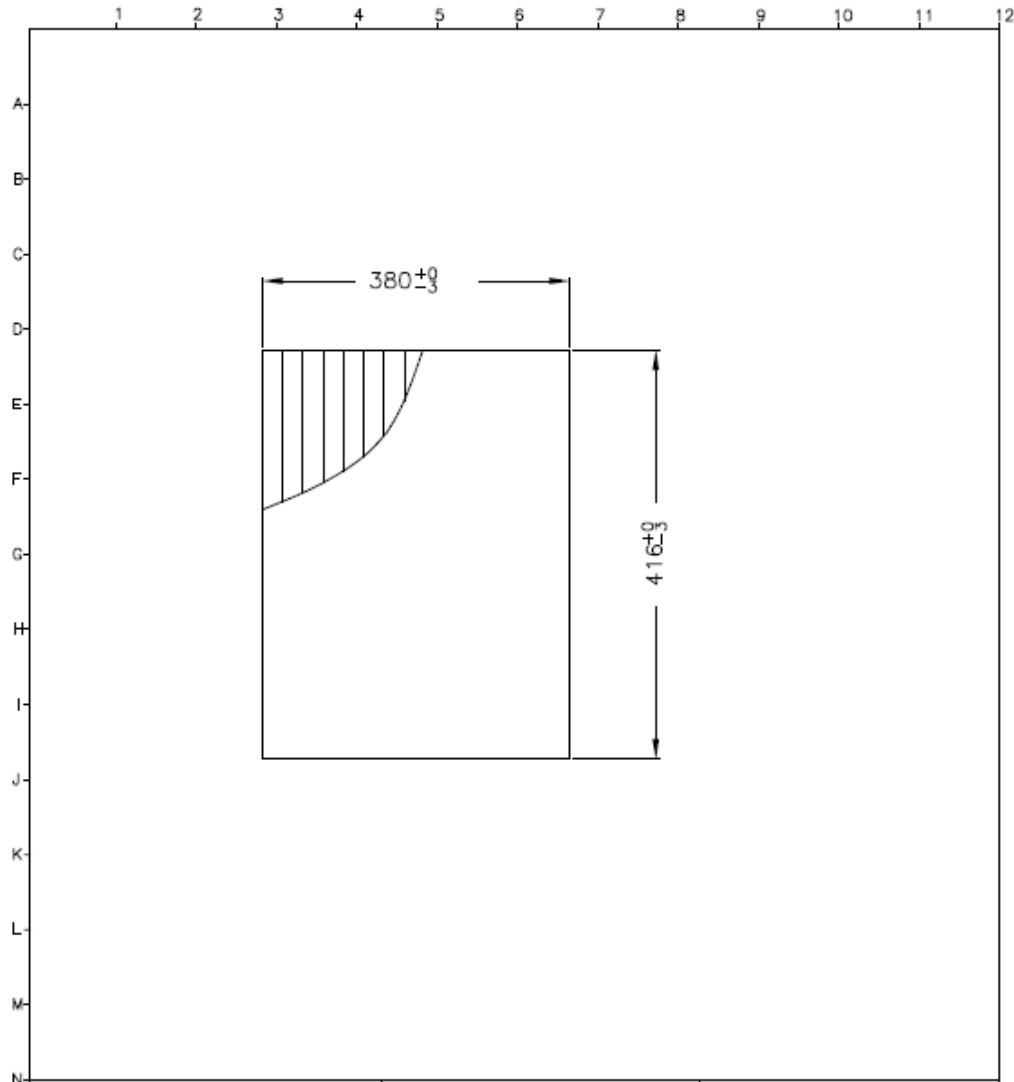
[illegible]

[illegible]



PHIHONG TECHNOLOGY CO., LTD.

PAPER SPACER:



修 正 REVISIONS		說 明 GENERAL NOTES		飛宏科技股份有限公司 PHIHONG TECHNOLOGY CO., LTD.	
B1.CHECK & ISSUE.		'19/02/07		機 型 MODEL P0E60U-1BT-5A-R	
		1.Double wall BC flute with recycle unbleached kraft outer liner. 2.Bursting strength:12kgf/cm Min. 3.Any tear,burst and filty is not alloweable. 4.THE PART MUST MEET WITH THE HOLEGEN FREE OF REQUIREMENT.		材 質 MATERIAL NOTE.1	
				處 理 TREATMENT	
長 度 區 分 RANGE		容 許 公 差 區 分 (MM) COMMON TOLERANCE		公 差 X TOLERANCE	
低 於 5 LESS THAN		A		圖 名 DESCRIPTION PAPER SPACER	
5 ~ 25		±0.05		比 例 SCALE 1:5	
25 ~ 50		±0.08		單 位 UNIT MM	
50 ~ 80		±0.12		料 號 PART NO. 8741530227A-HB1	
80 ~ 250		±0.25			
250 ~ 500		±0.5			
500 ~ 2500		±1.0			
大 於 2500 ABOVE		±0.15			

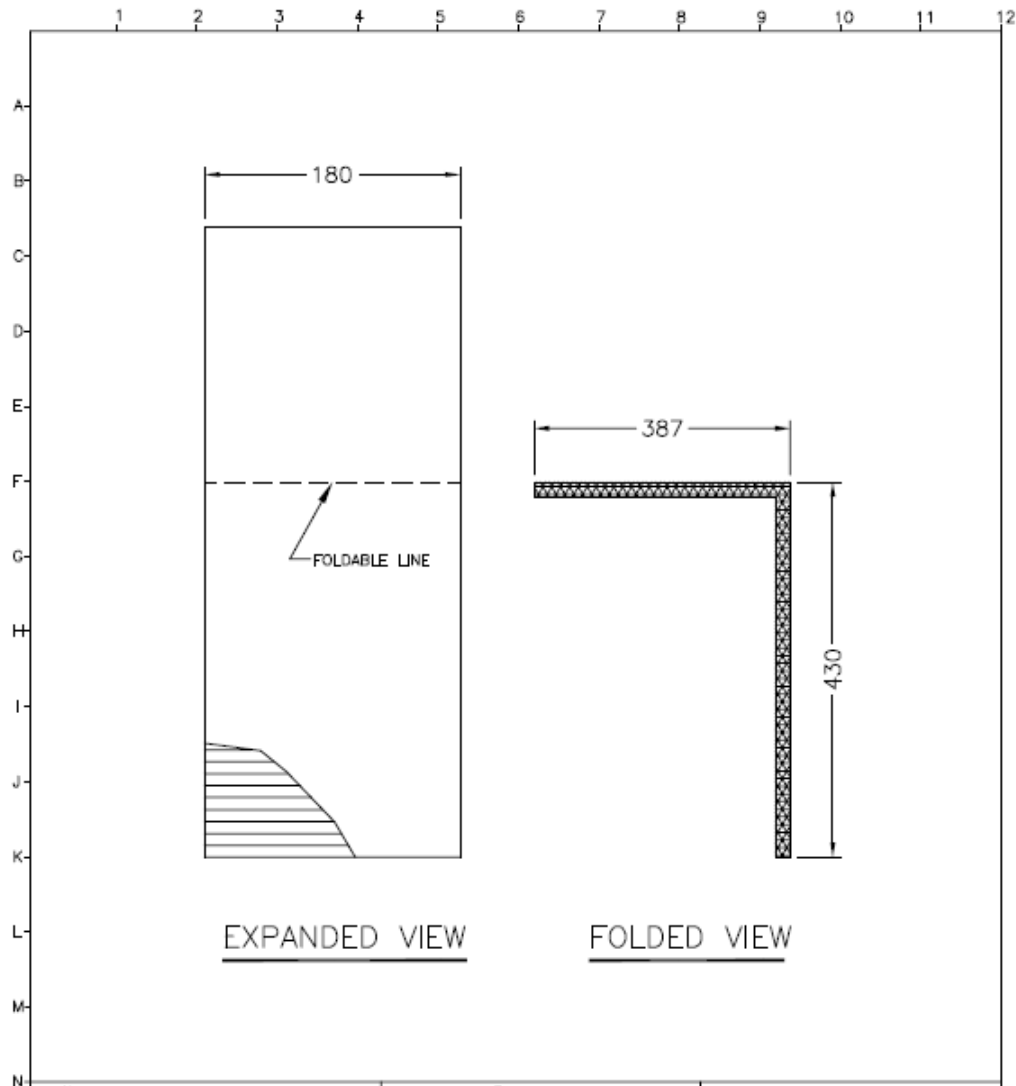
PE-2 210X297±2MM THIRD ANGLE PROJECTION

SHEET 1 OF 1



PHIHONG TECHNOLOGY CO., LTD.

L PAPER SPACER:



修 正 REVISIONS		說 明 GENERAL NOTES	
B1.CHECK & ISSUE.	'19/02/07	1.Double wall BC flute with recycle unbleached kraft outer liner. 2.Bursting strength:12kgf/cm Min. 3.Any tear,burst and filthy is not allowale. 4.THE PART MUST MEET WITH THE HOLOGEN FREE OF REQUIREMENT.	飛宏科技股份有限公司 PHIHONG TECHNOLOGY CO., LTD.
長度區分 RANGE		公差 TOLERANCE	圖名 DESCRIPTION
低於 8 LESS THAN		A B C D	L SHAPE PAPER SPACER
8 ~ 25		±0.05 ±0.1 ±0.2 ±0.4	
25 ~ 50		±0.08 ±0.15 ±0.3 ±0.6	
50 ~ 80		±0.12 ±0.25 ±0.5 ±1.0	
80 ~ 250		±0.25 ±0.4 ±0.8 ±1.5	
250 ~ 500		±0.5 ±0.8 ±1.5 ±3.0	
500 ~ 2500		±1.0 ±1.5 ±3.0 ±6.0	
長度 單位 UNIT		±0.15 ±0.3 ±0.5 ±0.8	單位 MM

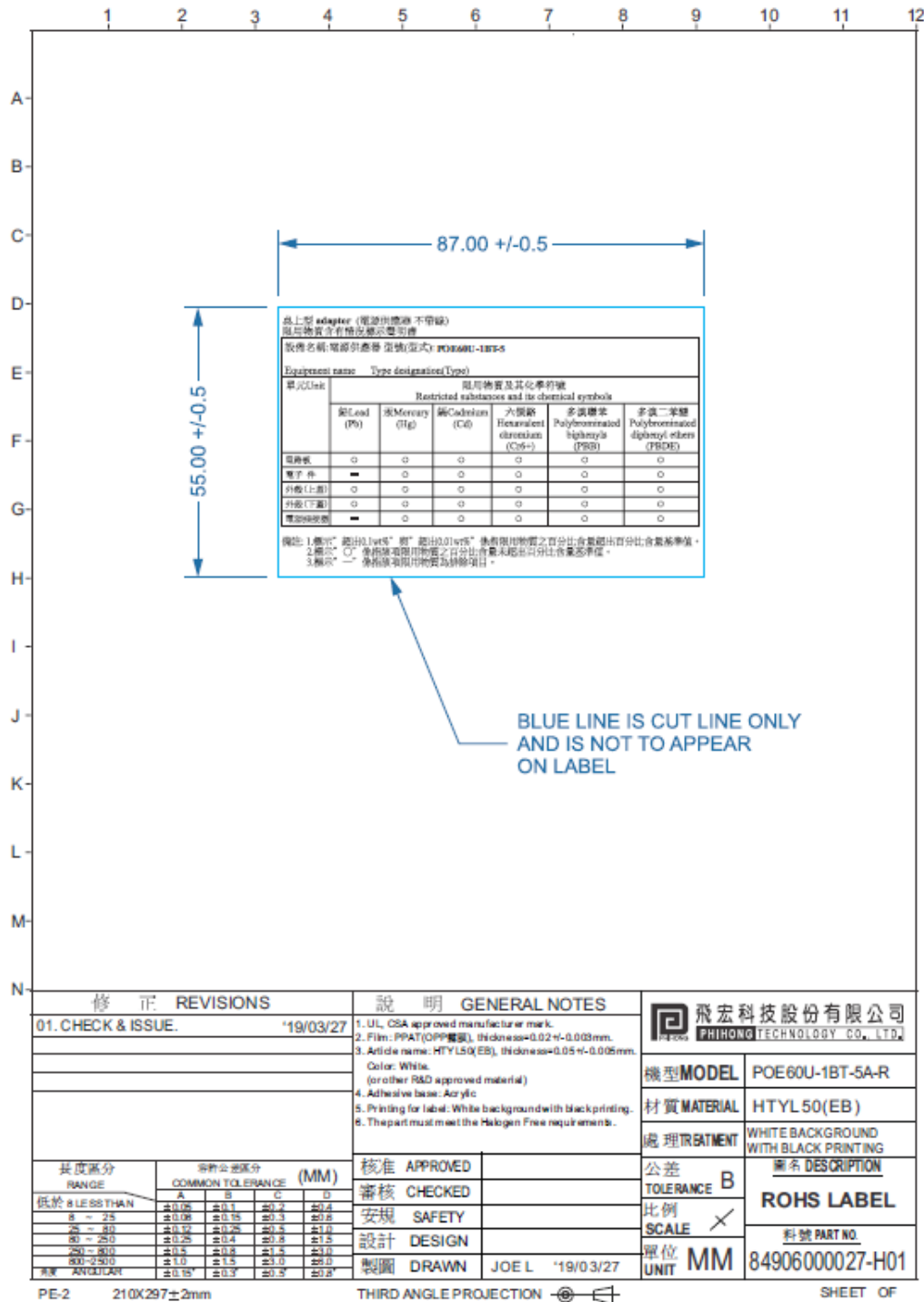
PE-2 210X297±2MM THIRD ANGLE PROJECTION

SHEET 1 OF 1



PHIHONG TECHNOLOGY CO., LTD.

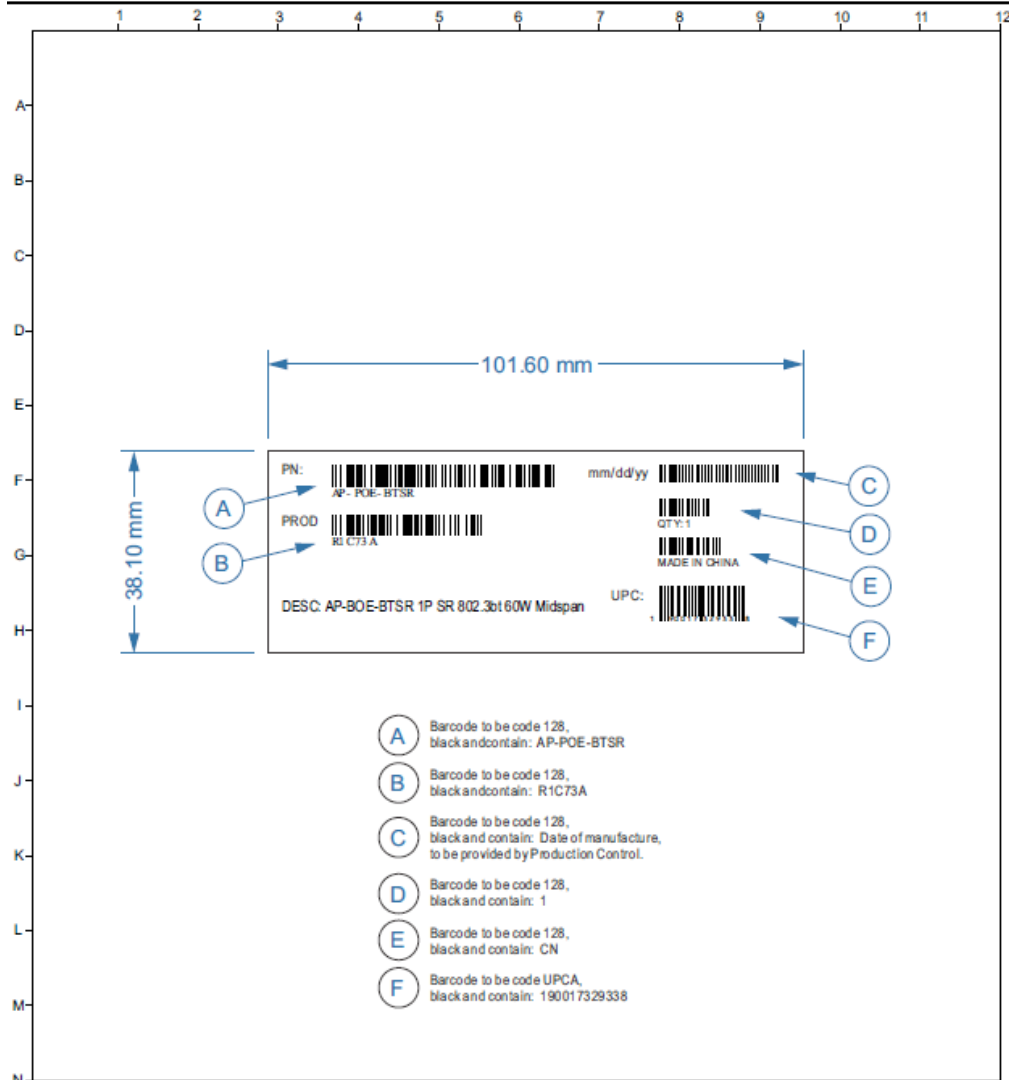
ROHS LABEL:





PHIHONG TECHNOLOGY CO., LTD.

GIFT BOX LABEL:



- (A) Barcode to be code 128, black and contain: AP-POE-BTSR
- (B) Barcode to be code 128, black and contain: R1C73A
- (C) Barcode to be code 128, black and contain: Date of manufacture, to be provided by Production Control.
- (D) Barcode to be code 128, black and contain: 1
- (E) Barcode to be code 128, black and contain: CN
- (F) Barcode to be code UPCE, black and contain: 190017329338

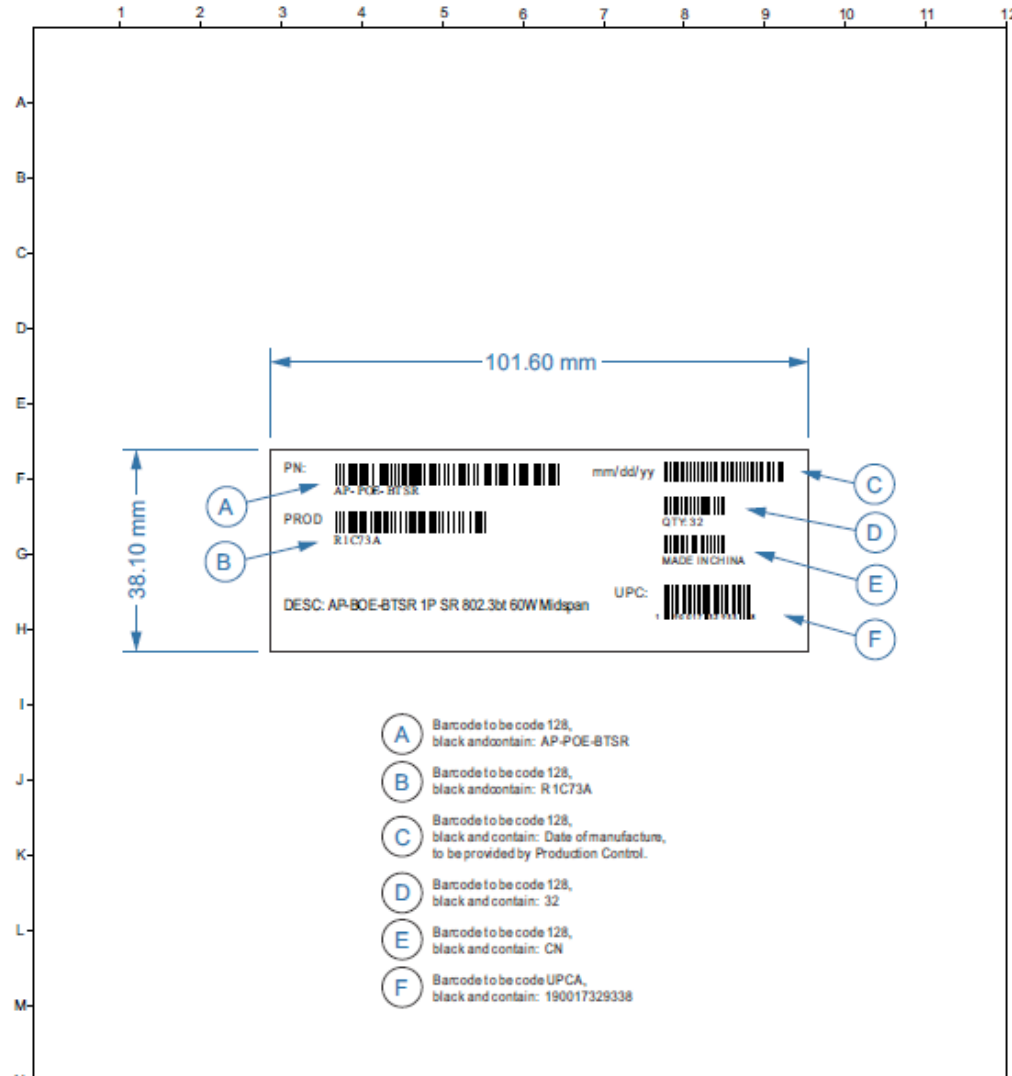
修正 REVISIONS		說明 GENERAL NOTES	
01.CHECK & ISSUE.	'19/02/26	1.MATERIAL:HTYL50#, thickness=0.050+/-0.005mm, Color: White (UL/CSA APPROVED) 2.LAMINATE:MAT WRITABLE POLYESTER 3.CLIMATE REQUIREMENT:30°C INDOOR 4.PRODUCTION DATE AND SERIAL NUMBER ARE PROVIDED BY PRODUCTION CONTROL DEPT. 5.LABEL TO MEET HALOGEN FREE REQUIREMENT.	
02.ADDED BIS LOGO	'19/03/26		
03.REMOVED BIS LOGO	'19/03/29		
04.Added PN Barcode	'19/04/05		
長度區分 RANGE		容許公差區分 (MM) COMMON TOLERANCE	
低於 8 LESS THAN		A	B
8~25	0.06	0.1	0.2
25~60	0.06	0.15	0.3
60~250	0.12	0.25	0.5
250~600	0.25	0.4	0.8
600~1600	0.5	0.8	1.5
1600~2500	1.0	1.5	3.0
2500~	1.5	3.0	6.0
角度 ANGULAR	0.15	0.3	0.5
核准 APPROVED		審核 CHECKED	
安規 SAFETY		設計 DESIGN	JAL
製圖 DRAWN		單位 UNIT	MM

飛宏科技股份有限公司 PHIHONG TECHNOLOGY CO., LTD.	
機型 MODEL	POE60U-1BT-5A-R
材質 MATERIAL	NOTE 1.
處理 TREATMENT	WHITE BACKGROUND WITH BLACK PRINTING
公差 TOLERANCE	B
比例 SCALE	×
圖名 DESCRIPTION	GIFT BOX LABEL
單位 UNIT	MM
84906000025-HB1[04]	



PHIHONG TECHNOLOGY CO., LTD.

MASTER CARTON LABEL:



- (A) Barcode to be code 128, black and contain: AP-POE-BTSR
- (B) Barcode to be code 128, black and contain: R1C73A
- (C) Barcode to be code 128, black and contain: Date of manufacture, to be provided by Production Control.
- (D) Barcode to be code 128, black and contain: 32
- (E) Barcode to be code 128, black and contain: CN
- (F) Barcode to be code UPCA, black and contain: 190017329338

修正 REVISIONS		說明 GENERAL NOTES		 飛宏科技股份有限公司 PHIHONG TECHNOLOGY CO.,LTD
01.CHECK & ISSUE. '19/02/26		1. MATERIAL HTYL506, thickness=0.050±0.005mm, Color: WHITE (ULC 5A APPROVED) 2. LAMINATE MAT WRITABLE (POLYESTER) 3. CLIMATE REQUIREMENT: 80°C INDOOR 4. PRODUCTION DATE AND SERIAL NUMBER ARE PROVIDED BY PRODUCTION CONTROL DEPT. 5. LABEL TO MEET HALOGEN FREE REQUIREMENT.		
02.ADDDED BIS LOGO '19/03/26				
03.REMOVED BIS LOGO '19/03/29				
04.Added PN Barcode '19/04/05				
長度區分 RANGE		容許公差區分 (MM) COMMON TOLERANCE		機型 MODEL POE60U-1BT-5A-R
低於 8 LESS THAN		A B C D		材質 MATERIAL NOTE 1.
8 ~ 25		0.05 0.1 0.2 0.4		處理 TREATMENT WHITE BACKGROUND WITH BLACK PRINTING
25 ~ 60		0.12 0.25 0.5 1.0		公差 B TOLERANCE
60 ~ 250		0.25 0.4 0.8 1.5		
250 ~ 600		0.5 0.8 1.5 3.0		
600 ~ 2500		1.0 1.5 3.0 6.0		
THIRD ANGLE PROJECTION				
		核准 APPROVED	公差 B TOLERANCE	圖名 DESCRIPTION
		審核 CHECKED		比例 SCALE X
		安規 SAFETY		
		設計 DESIGN	JAL	
		製圖 DRAWN	'19/02/08	

飛宏科技股份有限公司 PHIHONG TECHNOLOGY CO., LTD.	
機型 MODEL	POE60U-1BT-5A-R
材質 MATERIAL	NOTE 1.
處理 TREATMENT	WHITE BACKGROUND WITH BLACK PRINTING
圖名 DESCRIPTION	CARTON LABEL
單位 MM	84106000043-HB1[04]

PE-2 210X292MM THIRD ANGLE PROJECTION

SHEET 1 OF 1



PHIHONG TECHNOLOGY CO., LTD.

TAMPER PROOF LABEL:

