

Product Change Notification (PCN)

Issue Date: 09.12.2020
Modification / Revision Date: 09.12.2020

A-USB-BPFS/A-USB-APFS-xxx/A-USB-APFS/A-ACCSET-1 Nut Nylon+GF UL94V-0 13/16"-28UNS

Change Notification : PCN20201202 A-USB-BPFS-A-USB-APFS-xxx-A-USB-APFS-A-ACCSET-1 nut

Description of changes :

1. Change of data sheet
2. New Draw.-No. ASS_1576A_CArev09
3. New Draw.-No. ASS_1576_CArev11
4. New Draw.-No. ASS_0534_COrev06

Reason for Change : Change of product dimensions, tolerances and/or properties

Key Characteristics of Change : Details see page 3

Products Affected :

- A-USB-BPFS
- A-USB-APFS
- A-USB-APFS-xxx
- A-ACCSET-1

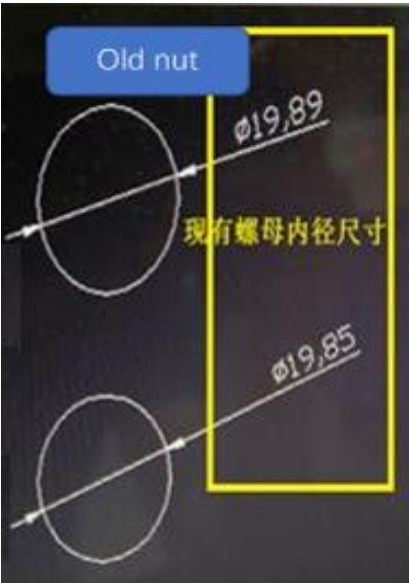
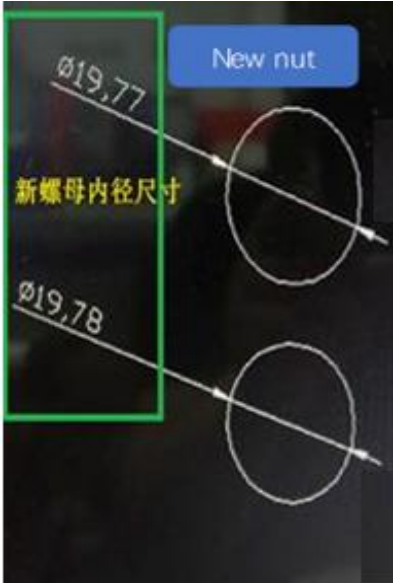
Date of change and Implementation :

Change : 50 / 2020
Implementation: 09.12.2020

Response : No response to this notification is required.

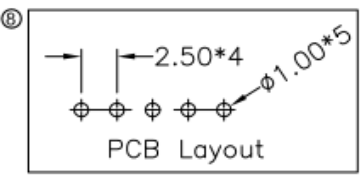
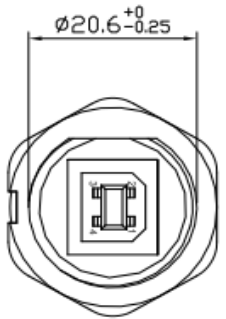
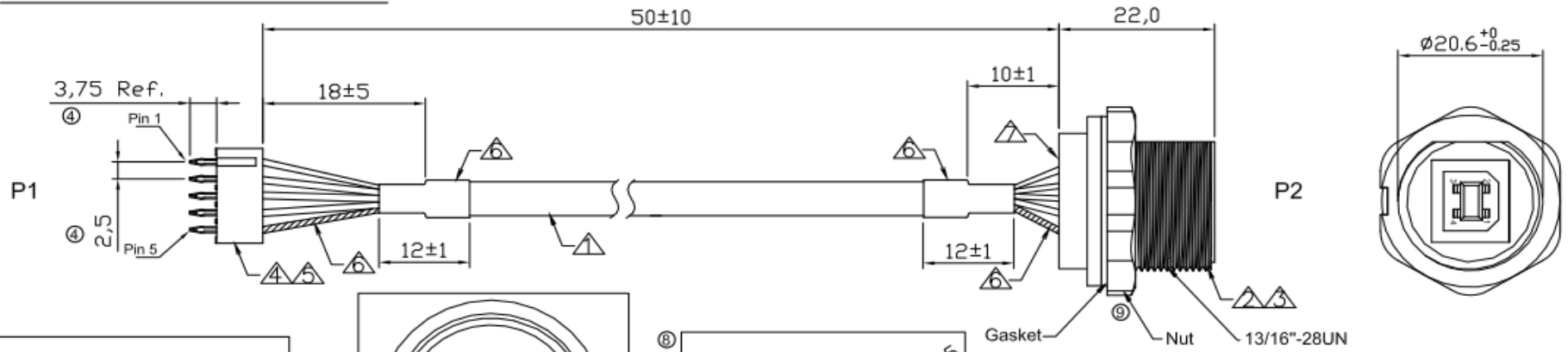
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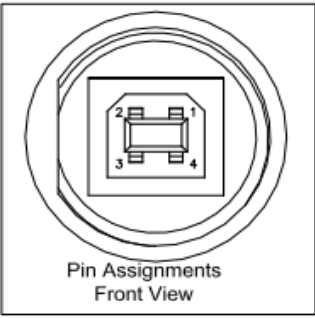
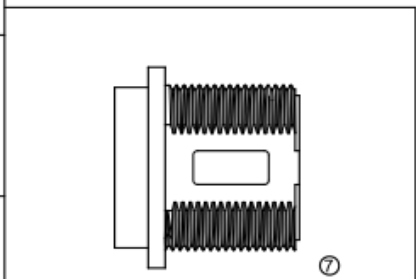
A-USB-BPFS/A-USB- APFS-xxx/A-USB-APFS/A- ACCSET-1 Nut Old version	A-USB-BPFS/A-USB- APFS-xxx/A-USB-APFS/A- ACCSET-1 Nut New version
<p>1. The recommended use torque for the nut is max. 0.45Nm with an nut inside diameter of Ø19.85~Ø19.89 mm.</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>1. In order to enable higher torques, the nut inside diameter has been modified to Ø19.77~Ø19.78 mm. With the new designed nut the recommended torque for the nut is up to max. 1Nm.</p> <div style="text-align: center; margin-top: 20px;">  </div>
<p>For detail, please take attached new drawing: ASS_1576A_CArev08/ASS_1576_CArev10/ASS_0534_COrev05 for reference for reference</p>	

PCN Revision History :

USB 2.0 COMPLIANT

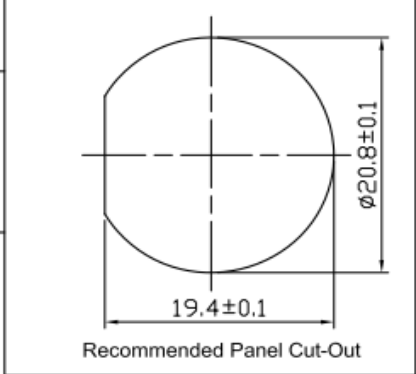


- ⑦ Testing Conditions:
1. Voltage: 300V DC/0.01;
 2. Insulation Resistance: 10Mohms min;
 3. Conductive Resistance: 50ohms max;
 4. 100% open and short electrical test;
 5. Waterproof Rating: IP67;
 - ⑥ 6. Recommended use torque force: 1.0Nm Max.



WIRE LIST

P1	PAIR	COLOR	P2
1	—	RED (24AWG)	1
2	—	WHITE (28AWG)	2
3	—	GREEN (28AWG)	3
4	—	BLACK(24AWG)	4
5	—	DRAIN	SHELL

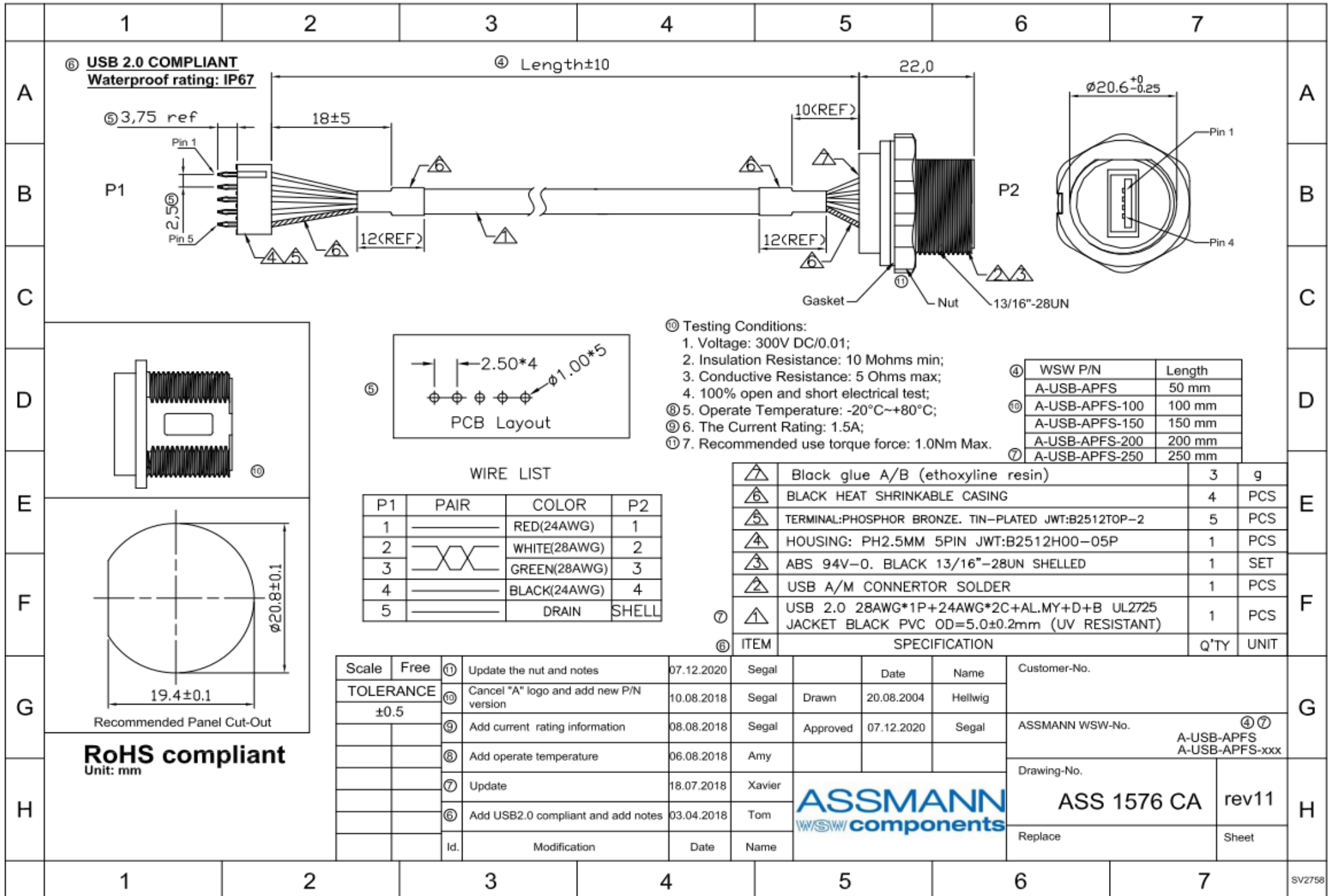


ITEM	SPECIFICATION	Q'TY	UNIT
③	Black glue A/B (ethoxyline resin)	3	g
⑥	BLACK HEAT SHRINKABLE CASING	4	PCS
⑤	TERMINAL:PHOSPHOR BRONZE. TIN-PLATED JWT:B2512TOP-2	5	PCS
④	HOUSING: PH2.5MM 5PIN JWT:B2512H00-05P	1	PCS
③	ABS 94V-0. BLACK 13/16"-28UN SHELLLED	1	SET
②	USB B/M CONNERTOR SOLDER	1	PCS
①	USB 2.0 28AWG*1P+24AWG*2C+AL.MY+D+B UL2725 JACKET BLACK PVC OD=5.0±0.2mm (UV RESISTANT)	1	PCS

Scale	Free	⑨	Update the nut and notes	07.12.2020	Segal	Date	Name	Customer-No.
TOLERANCE	±0.5	⑧	Add PCB layout	18.07.2018	Xavier	20.08.2004	Hellwig	ASSMANN WSW-No. A-USB-BPFS
		⑦	Cancel "A" logo add notes	03.04.2018	Tom	07.12.2020	Winnie	
		⑥	Add USB 2.0 compliant	27.08.2012	Ray			
		⑤	Add PCB layout and Pin detail	16.07.2012	Lucas			Drawing-No.
		④	Dimension add in	11.07.2012	Lucas			ASS 1576A CA rev09
		Id.	Modification	Date	Name			Replace



RoHS compliant
Unit: mm



⑥ **USB 2.0 COMPLIANT**
Waterproof rating: IP67

④ Length±10

⑤ 3,75 ref

18±5

22,0

10(REF)

∅20.6⁺⁰_{-0.25}

P1

Pin 1

2,5⑤

Pin 5

12(REF)

12(REF)

P2

Pin 1

Pin 4

Gasket

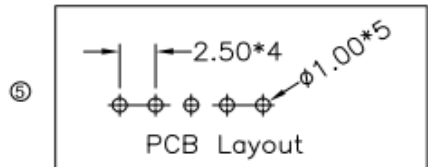
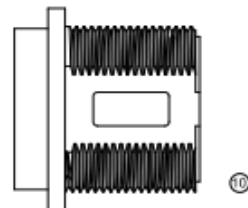
Nut

13/16"-28UN

⑩ Testing Conditions:

1. Voltage: 300V DC/0.01;
2. Insulation Resistance: 10 Mohms min;
3. Conductive Resistance: 5 Ohms max;
4. 100% open and short electrical test;
- ⑧ 5. Operate Temperature: -20°C~+80°C;
- ⑨ 6. The Current Rating: 1.5A;
- ⑪ 7. Recommended use torque force: 1.0Nm Max.

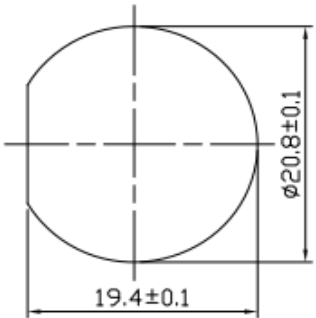
④	WSW P/N	Length
	A-USB-APFS	50 mm
⑩	A-USB-APFS-100	100 mm
	A-USB-APFS-150	150 mm
	A-USB-APFS-200	200 mm
⑦	A-USB-APFS-250	250 mm



WIRE LIST

P1	PAIR	COLOR	P2
1	---	RED(24AWG)	1
2	XX	WHITE(28AWG)	2
3	XX	GREEN(28AWG)	3
4	---	BLACK(24AWG)	4
5	---	DRAIN	SHELL

⑦	ITEM	SPECIFICATION	Q'TY	UNIT
△	Black glue A/B (ethoxyline resin)		3	g
△	BLACK HEAT SHRINKABLE CASING		4	PCS
△	TERMINAL:PHOSPHOR BRONZE. TIN-PLATED JWT:B2512TOP-2		5	PCS
△	HOUSING: PH2.5MM 5PIN JWT:B2512H00-05P		1	PCS
△	ABS 94V-0. BLACK 13/16"-28UN SHELLED		1	SET
△	USB A/M CONNERTOR SOLDER		1	PCS
⑦	USB 2.0 28AWG*1P+24AWG*2C+AL.MY+D+B UL2725 JACKET BLACK PVC OD=5.0±0.2mm (UV RESISTANT)		1	PCS



RoHS compliant
 Unit: mm

Scale	Free	⑪	Update the nut and notes	07.12.2020	Segal	Date	Name	Customer-No.
TOLERANCE	±0.5	⑩	Cancel "A" logo and add new P/N version	10.08.2018	Segal	Drawn	20.08.2004	Hellwig
		⑨	Add current rating information	08.08.2018	Segal	Approved	07.12.2020	Segal
		⑧	Add operate temperature	06.08.2018	Amy			
		⑦	Update	18.07.2018	Xavier			
		⑥	Add USB2.0 compliant and add notes	03.04.2018	Tom			
		Id.	Modification	Date	Name			



ASSMANN WSW-No. ^④ ^⑦
 A-USB-APFS
 A-USB-APFS-xxx

Drawing-No.
ASS 1576 CA rev11

Replace Sheet

1

2

3

4

5

6

7

A

B

C

D

E

F

A

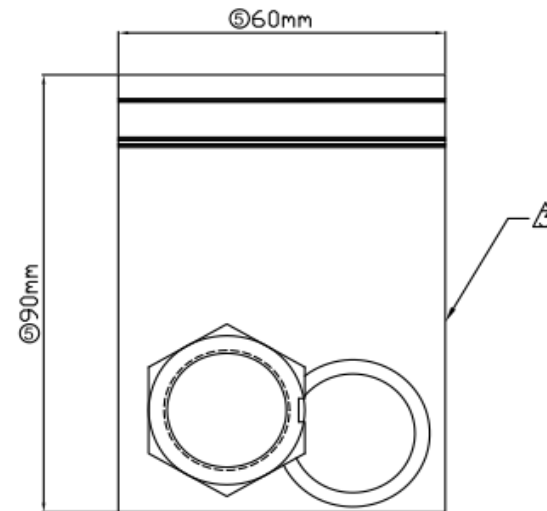
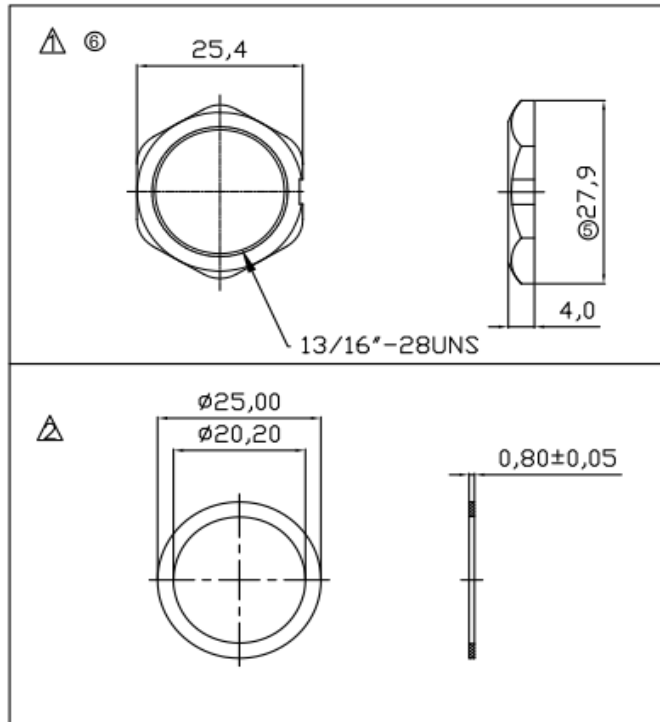
B

C

D

E

F



⑥ Notes:
Recommended use torque force: 1.0Nm Max.

NO	NAME	COLOR	SPECIFICATION	QTY
①	PE Bag		1# transparent	1
②	Gasket	Black	EPDM UL94V-0 ⑤	1
③	Nut	Black	Nylon+GF UL94V-0 ⑤	1

RoHS compliant
Unit: mm

Scale	Free	⑥	Update the nut and add the notes	07.12.2020	Segal		Date	Name	Customer-No.
TOLERANCE		⑤	Update PE bag size and add notes	03.04.2018	Amy	Drawn	06.01.2006	Hellwig	ASSMANN WSW-No. A-ACCSET-1
X.X	±0.25	④	Update-remove note	06.03.2015	Hellwig	Approved	07.12.2020	Segal	
X.XX	±0.10	③	Add tolerance	22.05.2013	Amy				
X.XXX	±0.05	②	Update	28.06.2010	Alex				
DIM	TOL	①	Drawn	06.01.2006	Hellwig				Drawing-No. ASS 0534 C0
ANGLE	±1°	Id.	Modification	Date	Name				rev06
Angle	TOL								Replace

1

2

3

4

5

6

7

H

H