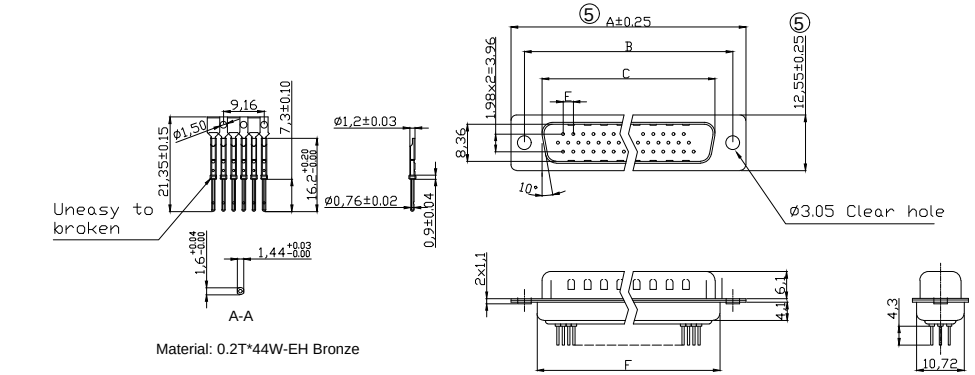
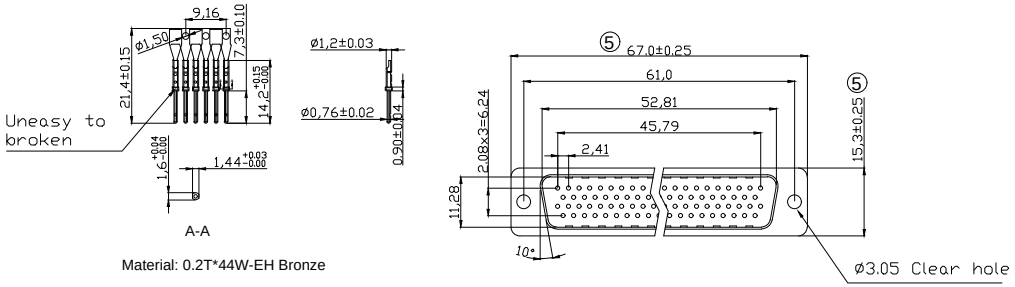
Male



Material: 0.2T*44W-EH Bronze



Material: 0.2T*44W-EH Bronze

78 Posistions

NOTES:

MATERIAL
1.Insulator Material:Glass-filled thermoplastic PBT,UL94V-0
2.Contact Material:Copper alloy, Gold flash selective gold
3.Shell: SPCC
4.Clinch Nut: Brass, Nickel Plated
5.Crewlock: Copper Alloy, Nickel Plated

ELECTRICAL
1.Current Rating : 3AMP
2.Voltage Rating : 250V AC/rms 60Hz
3. Contact Resistance: 20mΩ Max at 100
4. Insulation Resistance: 1000MΩ at 5
5.Withstand Voltage: 500V AC/rms 60Hz for 1 minute
⑥6. Operating Temperature: -55°C+105°C
③7. Solder Temperature: 220°C 5s max.

Order Code:

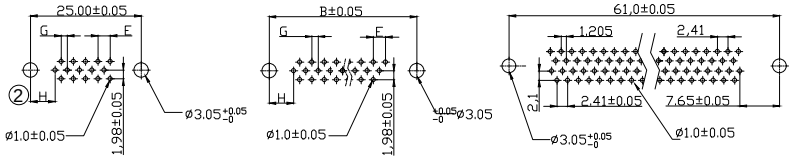
A-HD x xx PP/Z

Contact style:
F - Female
S - Male

No. of Contacts
15 / 26 / 44 / 62 / 78

Standard: Quality class III

P.C.B LAYOUT PATTERN



15 POSITION MALE

26,44,62 POSITION MALE

78 POSITION MALE/FEMALE

Dimensions

Positions	A	B	C	E	F	G	H
15	30.81	24.99	16.92	2.29	19.20	1.145	7.04
26	39.20	33.30	25.25	2.29	27.70	1.145	6.88
44	53.05	47.04	38.96	2.29	41.10	1.145	6.88
62	69.40	63.50	55.42	2.41	57.30	1.205	7.00

RoHS compliant

Unit: mm

File No.: E198287

Scale	Free
TOLERANCE	
X.	± 0.38
X.X	± 0.25
X.XX	± 0.13
DIM	TOL
X. °	± 3 °
X.X °	± 1 °
Angle	TOL

Id.	Modification	Date	Name
⑥	Add the miss dimension	24.08.2022	Daniel
⑤	Add the dimension tolerance	30.03.2022	Peter
④	Add page 3~8	22.11.2019	Carson
③	Add solder temperature	15.04.2019	Xavier
②	Correct the dimensioning of "H"	27.10.2016	Amy
①	Update the operating temperature	10.10.2014	Winnie

	Date	Name
Drawn	22.11.2019	Carson
Approved	24.08.2022	Daniel

ASSMANN WSW components

Description: D-Sub Connector
Male 180° THT

ASSMANN WSW-No.
A-HD x xx PP/Z

Drawing-No.
ASS 4896 CO

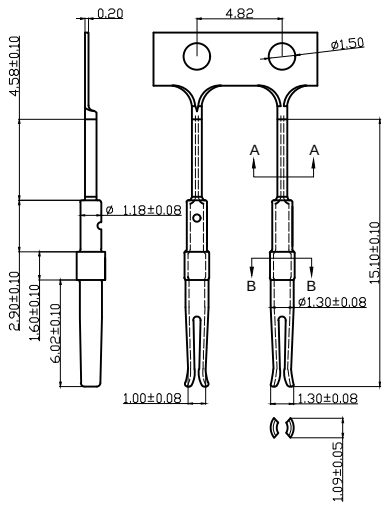
rev06

Customer-No.

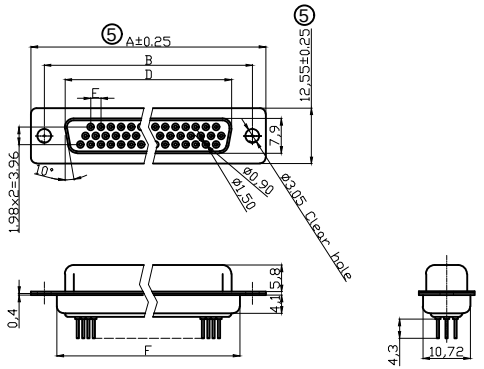
Sheet
1/8

Female

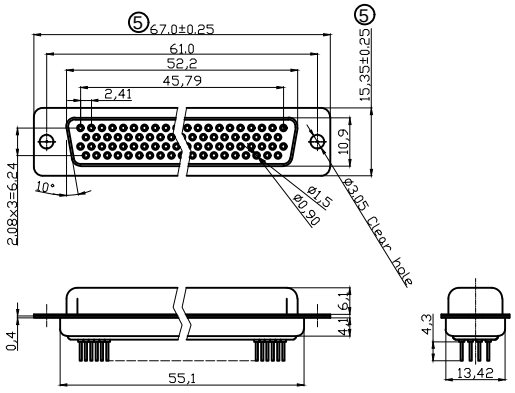
Contact (SCALE 4:1)



When male contact insert,
the OD couldn't be over 1.45



15,26,44,62 Posistions

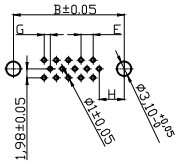


78 Posistions

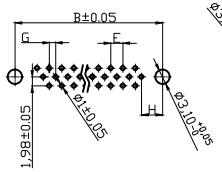
NOTES:

MATERIAL
1.Insulator Material:Glass-filled thermoplastic PBT,UL94V-0
2.Contact Material:Copper alloy, Gold flash selective gold
3.Shell: Steel, 100u" Tin over 50u" Min Copper
ELECTRICAL
1.Current Rating : 3AMP
2.Voltage Rating : 250V AC/rms 60Hz
3. Contact Resistance: 20mΩ Max at 1
4. Insulation Resistance: 1000MΩ at 5
5.Withstand Voltage: 500V AC/rms 60Hz for 1 minute
①6. Operating Temperature: -55°C+105°C
③7. Solder Temperature: 220°C 5s max.

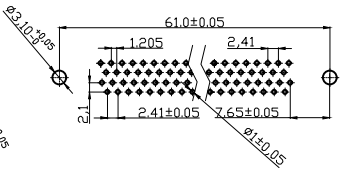
P.C.B LAYOUT PATTERN



15 POSITION FEMALE



26,44,62 POSITION FEMALE



78 POSITION MALE/FEMALE

Dimensions ⑥

Positions	A	B	D	E	F	G	H
15	30.81	24.99	16.33	2.29	19.20	1.145	7.04
26	39.20	33.30	24.70	2.29	27.70	1.145	6.88
44	53.05	47.04	38.40	2.29	41.10	1.145	6.88
62	69.40	63.50	54.80	2.41	57.30	1.205	7.00

RoHS compliant
Unit: mm
File No.: E198287

Scale	Free
TOLERANCE	
X.	± 0 . 3 8
X.X	± 0 . 2 5
X.XX	± 0 . 1 3
DIM	TOL
X . °	± 3 °
X . X °	± 1 . 0 °
Angle	TOL

Id.	Modification	Date	Name
⑥	Add the miss dimension	24.08.2022	Daniel
⑤	Add the dimension tolerance	30.03.2022	Peter
④	Add page 3~8	22.11.2019	Carson
③	Add solder temperature	15.04.2019	Xavier
②	Correct the dimensioning of "H"	27.10.2016	Amy
①	Update the operating temperature	10.10.2014	Winnie

	Date	Name
Drawn	22.11.2019	Carson
Approved	24.08.2022	Daniel

ASSMANN WSW components

Description: D-Sub Connector
Female 180° THT

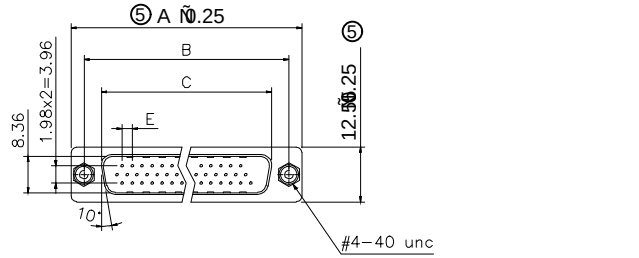
ASSMANN WSW-No.
A-HD x xx PP/Z

Drawing-No.
ASS 4896 CO
rev06

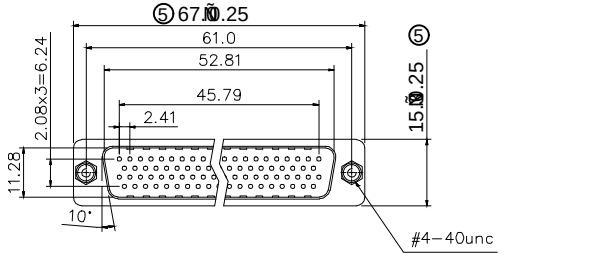
Customer-No.

Sheet
2/8

Male



15,26,44,62 Posistions



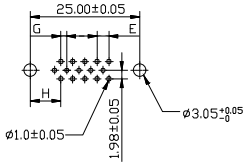
78 Posistions

NOTES:

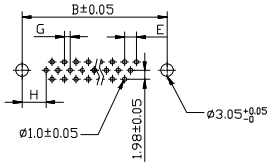
MATERIAL
1.Insulator Material:Glass-filled thermoplastic PBT,UL94V-0
2.Contact Material:Copper alloy, Gold flash selective gold
3.Shell: Steel, 100u" Tin over 50u" Min Copper
4.Clinch Nut: Brass, Nickel Plated
ELECTRICAL
1.Current Rating : 3AMP
2.Voltage Rating : 250V AC/rms 60Hz
3.Contact Resistance: 20mq Max at 100 mA
4.Insulation Resistance: 1000Mq at 500
5.Withstand Voltage: 500V AC/rms 60Hz for 1 minute
6.Operating Temperature:-55ÁC+105ÁC
7.Solder Temperature: 220ÁC 5s max.

Order Code:
A-HD x xx PP/Z-UNC1
Contact style: F - Female, S - Male
No. of Contacts: 15 / 26 / 44 / 62 / 78
Standard: Quality class III

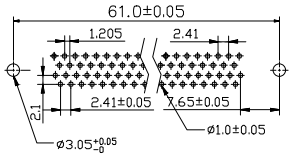
P.C.B LAYOUT PATTERN



15 POSITION MALE



26,44,62 POSITION MALE



78 POSITION MALE/FEMALE

Dimensions

Positions	A	B	C	E	F	G	H
15	30.81	24.99	16.92	2.29	19.20	1.145	7.04
26	39.20	33.30	25.25	2.29	27.70	1.145	6.88
44	53.05	47.04	38.96	2.29	41.10	1.145	6.88
62	69.40	63.50	55.42	2.41	57.30	1.205	7.00

RoHS compliant
Unit: mm
File No.: E198287

Scale	Free
TOLERANCE	
X.	Ñ0.38
X.X	Ñ0.25
X.XX	Ñ0.13
DIM	TOL
X.ÁÁ	±0.3
X.XÁÁ	±0.1
Angle	TOL

Id.	Modification	Date	Name
⑥	Add the miss dimension	24.08.2022	Daniel
⑤	Add the dimension tolerance	30.03.2022	Peter
④	Add page 3~8	22.11.2019	Carson
③	Add solder temperature	15.04.2019	Xavier
②	Correct the dimensioning of "H"	27.10.2016	Amy
①	Update the operating temperature	10.10.2014	Winnie

	Date	Name
Drawn	22.11.2019	Carson
Approved	24.08.2022	Daniel

ASSMANN WSW components

Description: D-Sub Connector
Male 180Á THT
#4-40UNC Nut

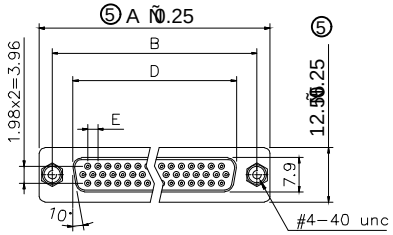
ASSMANN WSW-No.
A-HD x xx PP/Z-UNC1

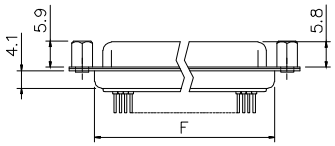
Drawing-No.
ASS 4896 CO
rev06

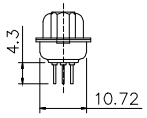
Customer-No.

Sheet
3/8

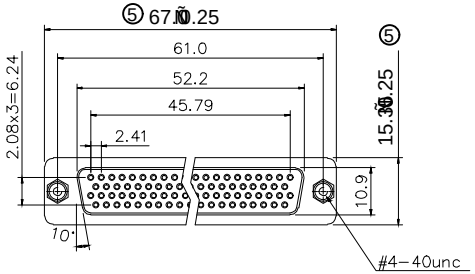
Female

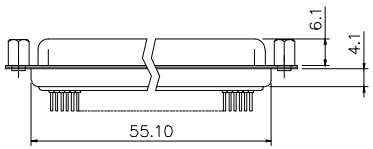


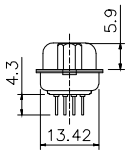




15,26,44,62 Posistions





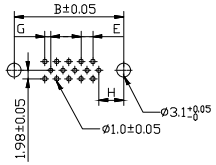


78 Posistions

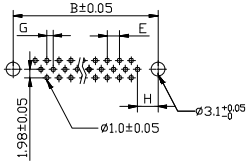
NOTES:

MATERIAL
1.Insulator Material:Glass-filled thermoplastic PBT,UL94V-0
2.Contact Material:Copper alloy, Gold flash selective gold
3.Shell: Steel, 100u" Tin over 50u" Min Copper
4.Clinch Nut: Brass, 100u" min Nickel Plated
ELECTRICAL
1.Current Rating : 3AMP
2.Voltage Rating : 250V AC/rms 60Hz
3.Contact Resistance: 20mq Max at 100 mA
4.Insulation Resistance: 1000Mq at 500
5.Withstand Voltage: 1000V AC/rms 60Hz for 1 minute
6.Operating Temperature:-55ÁC+105ÁC
7.Solder Temperature: 220ÁC 5s max.

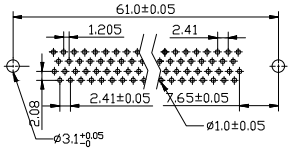
P.C.B LAYOUT PATTERN



15 POSITION FEMALE



26,44,62 POSITION FEMALE



78 POSITION MALE/FEMALE

Dimensions

Positions	A	B	D	E	F	G	H
15	30.81	24.99	16.33	2.29	19.20	1.145	7.04
26	39.20	33.30	24.70	2.29	27.70	1.145	6.88
44	53.05	47.04	38.40	2.29	41.10	1.145	6.88
62	69.40	63.50	54.80	2.41	57.30	1.205	7.00

RoHS compliant
Unit: mm
File No.: E198287

Scale	Free
TOLERANCE	
X.	Ñ0.38
X.X	Ñ0.25
X.XX	Ñ0.13
DIM	TOL
X.	Á3Á
X.XX	Á1.0Á
Angle	TOL

Id.	Modification	Date	Name
⑥	Add the miss dimension	24.08.2022	Daniel
⑤	Add the dimension tolerance	30.03.2022	Peter
④	Add page 3~8	22.11.2019	Carson
③	Add solder temperature	15.04.2019	Xavier
②	Correct the dimensioning of "H"	27.10.2016	Amy
①	Update the operating temperature	10.10.2014	Winnie

		Date	Name
Drawn		22.11.2019	Carson
Approved		24.08.2022	Daniel

ASSMANN WSW components

Description: D-Sub Connector
Female 180Á THT
#4-40UNC Nut

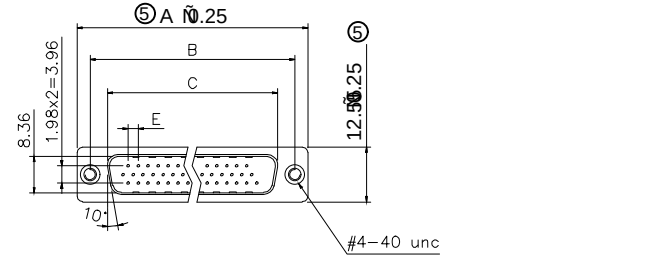
ASSMANN WSW-No.
A-HD x xx PP/Z-UNC1

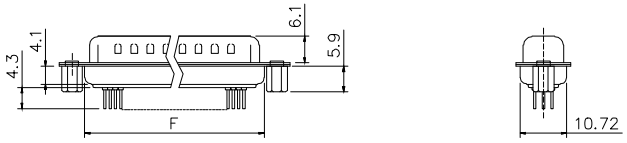
Drawing-No.
ASS 4896 CO
rev06

Customer-No.

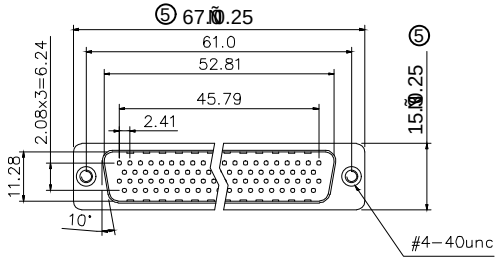
Sheet
4/8

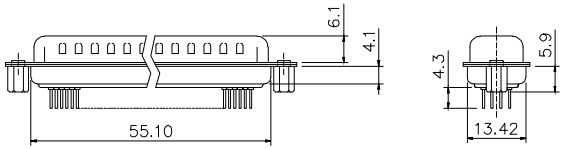
Male





15,26,44,62 Posistions





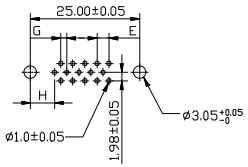
78 Posistions

NOTES:

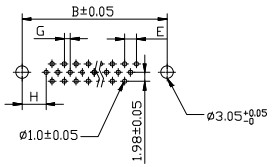
MATERIAL
1.Insulator Material:Glass-filled thermoplastic PBT,UL94V-0
2.Contact Material:Copper alloy, Gold flash selective gold
3.Shell: Steel, 100u" Tin over 50u" Min Copper
4.Clinch Nut: Brass, Nickel Plated
ELECTRICAL
1.Current Rating : 3AMP
2.Voltage Rating : 250V AC/rms 60Hz
3.Contact Resistance: 20mq Max at 100 mA
4.Insulation Resistance: 1000Mq at 500
5.Withstand Voltage: 500V AC/rms 60Hz for 1 minute
6.Operating Temperature:-55ÁC+105ÁC
7.Solder Temperature: 220ÁC 5s max.

Order Code:
A-HD x xx PP/Z-UNC2
Contact style: F - Female, S - Male
No. of Contacts: 15 / 26 / 44 / 62 / 78
Standard: Quality class III

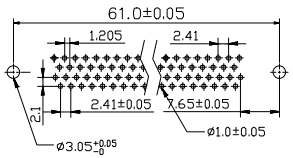
P.C.B LAYOUT PATTERN



15 POSITION MALE



26,44,62 POSITION MALE



78 POSITION MALE/FEMALE

Dimensions

Positions	A	B	C	E	F	G	H
15	30.81	24.99	16.92	2.29	19.20	1.145	7.04
26	39.20	33.30	25.25	2.29	27.70	1.145	6.88
44	53.05	47.04	38.96	2.29	41.10	1.145	6.88
62	69.40	63.50	55.42	2.41	57.30	1.205	7.00

RoHS compliant
Unit: mm
File No.: E198287

Scale	Free
TOLERANCE	
X.	Ñ0.38
X.X	Ñ0.25
X.XX	Ñ0.13
DIM	TOL
X.ÁÁ3Á	
X.XÁÁ1.0Á	
Angle	TOL

Id.	Modification	Date	Name
⑥	Add the miss dimension	24.08.2022	Daniel
⑤	Add the dimension tolerance	30.03.2022	Peter
④	Add page 3~8	22.11.2019	Carson
③	Add solder temperature	15.04.2019	Xavier
②	Correct the dimensioning of "H"	27.10.2016	Amy
①	Update the operating temperature	10.10.2014	Winnie

	Name	Date
Drawn	Carson	22.11.2019
Approved	Daniel	24.08.2022

ASSMANN WSW components

Description: D-Sub Connector
Male 180Á THT
#4-40UNC Nut

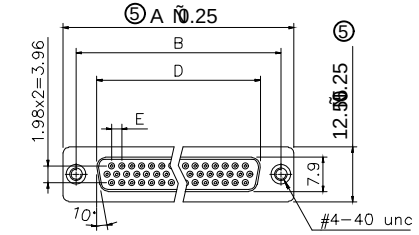
ASSMANN WSW-No.
A-HD x xx PP/Z-UNC2

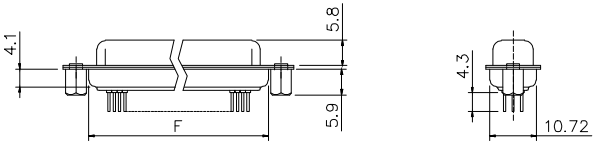
Drawing-No.
ASS 4896 CO
rev06

Customer-No.

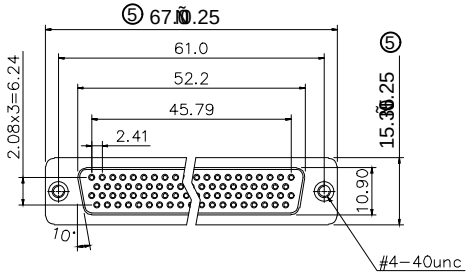
Sheet
5/8

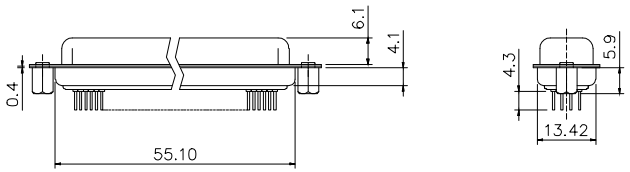
Female





15,26,44,62 Posistions



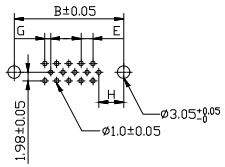


78 Posistions

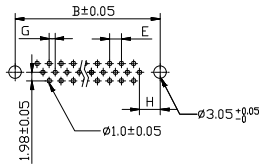
NOTES:

MATERIAL
1.Insulator Material:Glass-filled thermoplastic PBT,UL94V-0
2.Contact Material:Copper alloy, Gold flash selective gold
3.Shell: Steel, 100u" Tin over 50u" Min Copper
4.Clinch Nut: Brass, 100u" min Nickel Plated
ELECTRICAL
1.Current Rating : 3AMP
2.Voltage Rating : 250V AC/rms 60Hz
3.Contact Resistance: 20mq Max at 100 mA
4.Insulation Resistance: 1000Mq at 500
5.Withstand Voltage: 1000V AC/rms 60Hz for 1 minute
6.Operating Temperature:-55ÁC+105ÁC
7.Solder Temperature: 220ÁC 5s max.

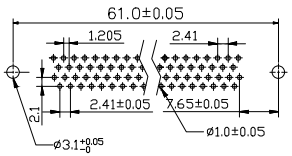
P.C.B LAYOUT PATTERN



15 POSITION FEMALE



26,44,62 POSITION FEMALE



78 POSITION MALE/FEMALE

Dimensions

Positions	A	B	D	E	F	G	H
15	30.81	24.99	16.33	2.29	19.20	1.145	7.04
26	39.20	33.30	24.70	2.29	27.70	1.145	6.88
44	53.05	47.04	38.40	2.29	41.10	1.145	6.88
62	69.40	63.50	54.80	2.41	57.30	1.205	7.00

RoHS compliant
Unit: mm
File No.: E198287

Scale	Free
TOLERANCE	
X.	Ñ0.38
X.X	Ñ0.25
X.XX	Ñ0.13
DIM	TOL
X. Á 3 Á	
X.XÁ1.0Á	
Angle	TOL

Id.	Modification	Date	Name
⑥	Add the miss dimension	24.08.2022	Daniel
⑤	Add the dimension tolerance	30.03.2022	Peter
④	Add page 3~8	22.11.2019	Carson
③	Add solder temperature	15.04.2019	Xavier
②	Correct the dimensioning of "H"	27.10.2016	Amy
①	Update the operating temperature	10.10.2014	Winnie

		Date	Name
Drawn		22.11.2019	Carson
Approved		24.08.2022	Daniel

ASSMANN WSW components

Description: D-Sub Connector
Female 180Á THT
#4-40UNC Nut

ASSMANN WSW-No.
A-HD x xx PP/Z-UNC2

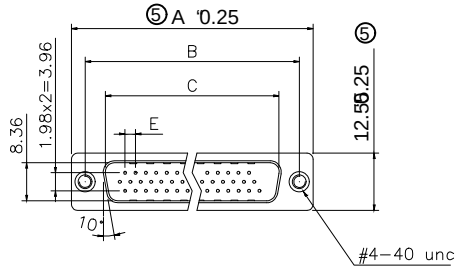
Drawing-No.
ASS 4896 CO
rev06

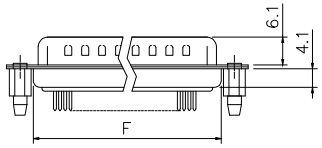
Customer-No.

Sheet
6/8

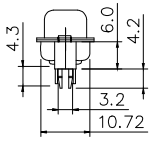
Male

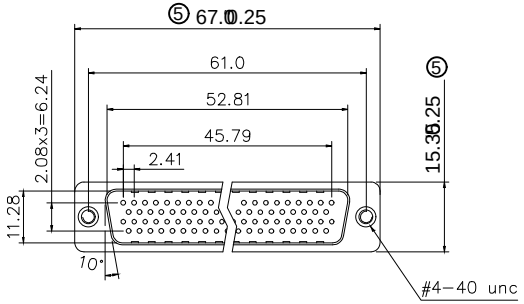
④

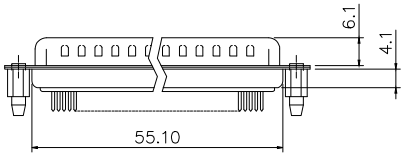




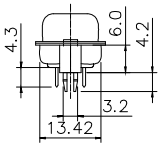
15,26,44,62 Posistions







78 Posistions

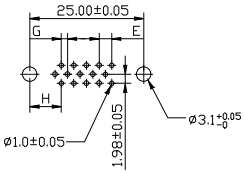


NOTES:

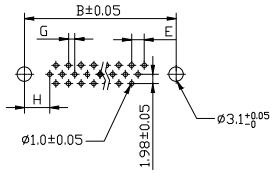
MATERIAL
1.Insulator Material:Glass-filled thermoplastic PBT,UL94V-0
2.Contact Material:Copper alloy, Gold flash selective gold
3.Shell: Steel, 100u" Tin over 50u" Min Copper
4.Boardlock: Brass, Tin plated
ELECTRICAL
1.Current Rating : 3AMP
2.Voltage Rating : 250V AC/rms 60Hz
&RQWDFW 5HVLVWDQFH P 0D[DW P$ '&
,QVXODWLRQ 5HVLVWDQFH 0 DW 9'&
5.Withstand Voltage: 500V AC/rms 60Hz for 1 minute
2SHUDWLQJ 7HPSHUDWXUH f& f&
6RGHU 7HPSHUDWXUH f& V PD[

Order Code:
A-HD x xx PP/Z-UNC3
Contact style: F - Female, S - Male
No. of Contacts: 15 / 26 / 44 / 62 / 78
Standard: Quality class III

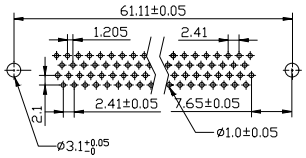
P.C.B LAYOUT PATTERN



15 POSITION MALE



26,44,62 POSITION MALE



78 POSITION MALE/FEMALE

Dimensions

Positions	A	B	C	E	F	G	H
15	30.81	24.99	16.92	2.29	19.20	1.145	7.04
26	39.20	33.30	25.25	2.29	27.70	1.145	6.88
44	53.05	47.04	38.96	2.29	41.10	1.145	6.88
62	69.40	63.50	55.42	2.41	57.30	1.205	7.00

RoHS compliant
Unit: mm
File No.: E198287

Scale	Free
TOLERANCE	
X.	“
X.X	“
X.XX	“
DIM	TOL
; f	o f
; ; f	o
Angle	TOL

Id.	Modification	Date	Name
⑥	Add the miss dimension	24.08.2022	Daniel
⑤	Add the dimension tolerance	30.03.2022	Peter
④	Add page 3~8	22.11.2019	Carson
③	Add solder temperature	15.04.2019	Xavier
②	Correct the dimensioning of "H"	27.10.2016	Amy
①	Update the operating temperature	10.10.2014	Winnie

	Date	Name
Drawn	22.11.2019	Carson
Approved	24.08.2022	Daniel

ASSMANN WSW components

Description: D-Sub Connector
0DOH f 7+7
#4-40UNC Nut

ASSMANN WSW-No.
A-HD x xx PP/Z-UNC3

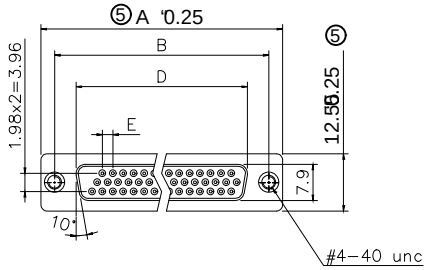
Drawing-No.
ASS 4896 CO
rev06

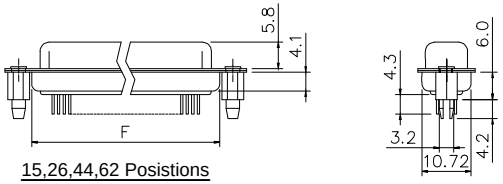
Customer-No.

Sheet
7/8

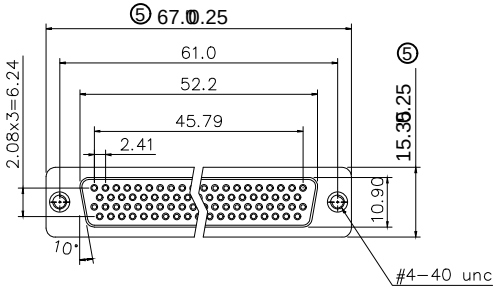
Female

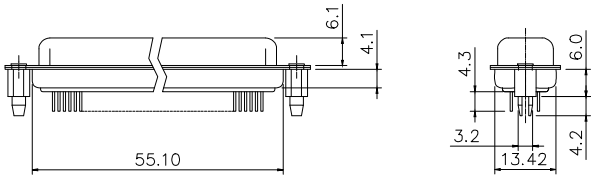
④





15,26,44,62 Posistions





78 Posistions

NOTES:

MATERIAL
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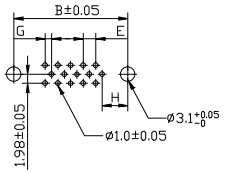
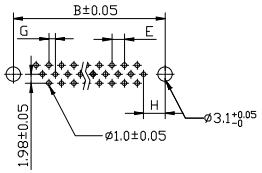
2.Contact Material:Copper alloy, Gold flash selective gold
3.Shell: Steel, 100u" Tin over 50u" Min Copper
4.Boardlock: Brass, Tin Plated
ELECTRICAL
1.Current Rating : 3AMP
2.Voltage Rating : 250V AC/rms 60Hz
&RQWDFW 5HVLVWDQFH P 0D[DW P$ '&
,QVXODWLRQ 5HVLVWDQFH 0 DW 9 '&
5.Withstand Voltage: 500V AC/rms 60Hz for 1 minute
2SHUDWLQJ 7HPSHUDWXUH f& f&
6RGHU 7HPSHUDWXUH f& V PD[

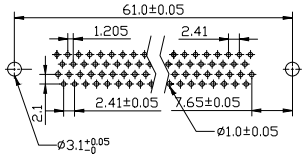
P.C.B LAYOUT PATTERN



15 POSITION FEMALE



26,44,62 POSITION FEMALE



78 POSITION MALE/FEMALE

Dimensions

Positions	A	B	D	E	F	G	H
15	30.81	24.99	16.33	2.29	19.20	1.145	7.04
26	39.20	33.30	24.70	2.29	27.70	1.145	6.88
44	53.05	47.04	38.40	2.29	41.10	1.145	6.88
62	69.40	63.50	54.80	2.41	57.30	1.205	7.00

RoHS compliant
Unit: mm
File No.: E198287

Scale	Free
TOLERANCE	
X.	“
X.XX	“
X.XXX	“
DIM	TOL
; f	o f
; ; f	o
Angle	TOL

Id.	Modification	Date	Name
⑥	Add the miss dimension	24.08.2022	Daniel
⑤	Add the dimension tolerance	30.03.2022	Peter
④	Add page 3~8	22.11.2019	Carson
③	Add solder temperature	15.04.2019	Xavier
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①	Update the operating temperature	10.10.2014	Winnie

	Date	Name
Drawn	22.11.2019	Carson
Approved	24.08.2022	Daniel

ASSMANN WSW components

Description: D-Sub Connector
) H P D O H f 7 + 7
#4-40UNC Nut

ASSMANN WSW-No.
A-HD x xx PP/Z-UNC3

Drawing-No.
ASS 4896 CO
rev06

Customer-No.

Sheet
8/8