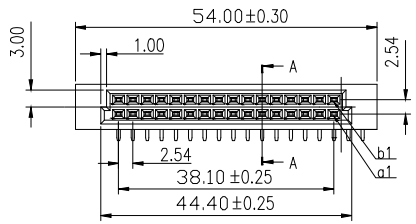
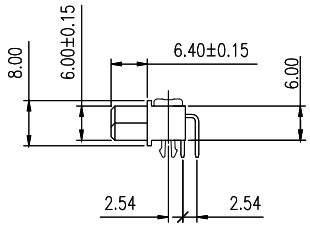
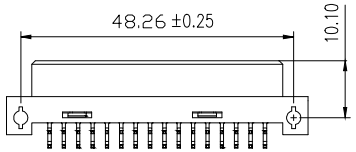
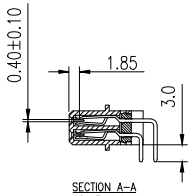
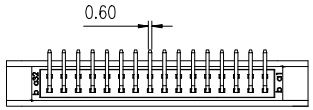




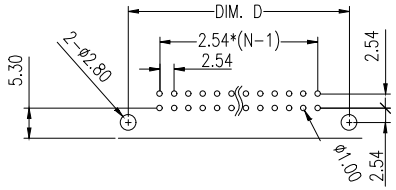




SECTION A–A
SCALE: 1:1



Recommended P.C.B Layout(Top Side)
(PCB BOARD TOLERANCE±0.05)



Technical specifications:

Materials:

1. Insulator: Glass-Filled PBT, Color: Grey, UL 94V-0
2. Contact: Copper Alloy

Contact plating according DIN41612 performance classes:

Performance class I	500 mating cycles min.
(-1)	30u" AU plating on mating area, Gold Flash on non-mating area,
	50u" Nickel underplating
	100u" Sn plating on solder area over 50u" Nickel
Performance class II	250 mating cycles min.
(-2)	15u" AU plating on mating area, Gold Flash on non-mating area,
	50u" Nickel underplating
	100u" Sn plating on solder area over 50u" Nickel
Performance class III	50 mating cycles min.
(blank)	Gold flash on mating side over 50u" Nickel
	100u" Sn plating on solder area over 50u" Nickel

Other specifications:

Contact resistance:	20mOhm max.
Insulation resistance:	10^{12}Ohm min.
Current rating:	2A
Operating temperature:	-40°C to 105°C
Operating voltage:	125VAC
Test voltage:	1000VAC
Packaging:	Tray

DIN41612 STYLE HALF Q FEMALE INVERSIVE RIGHT-ANGLE

ORDERING CODE									CONTACT DETAILS			
	Style	M=Male F=Female	No of	Rows loaded	Pin type		Plating Class	Board lock	Pin length in mm	Cross section	Pin load	Pin type/ direction
A -	HQ	F	xx	xx	x	-	x	x				
Options (if another contact loading option is needed, please contact your sales office)												
A -	HQ	F	32	ab	R	-	1	MC1	R: 3.00 (±0.25)	0.60x0.60(±0.03)	ab: 2x16	THT right-angle
			16	a			2	blank			a: 1x16	
							blank					

RoHS compliant
Unit: mm

c UL us
File No.: E198287

Scale	Free
TOLERANCE	
X.	±X
X.X	±0.40
X.XX	±0.25
X.XXX	±0.15
DIM	TOL
Angle	±3°

Id.	Modification	Date	Name
③	Add UL E-file No.	20.05.2021	Daniel
②	Add page 2	25.02.2021	Winnie
①	Change to new plant	17.08.2020	Winnie
⓪	Drawn	17.05.2017	Winnie

	Date	Name
Drawn	17.05.2017	Winnie
Approved	20.05.2021	Daniel

ASSMANN WSW components

Description: DIN 41612
Type Half Q / Female / R/A

ASSMANN WSW-No.
A-HQFxxxxR-x

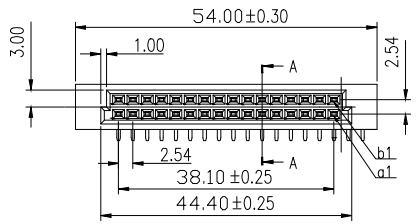
Drawing-No.
ASS 7593 CO

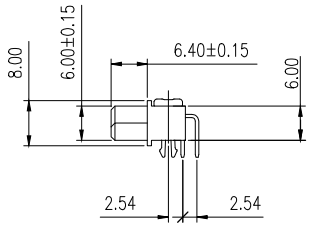
rev03

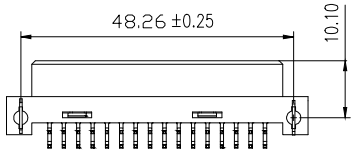
Customer-No.

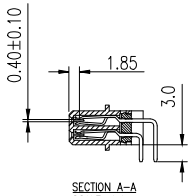
SHEET
1 / 2

SV4824

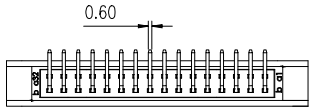








SECTION A–A
SCALE: 1:1



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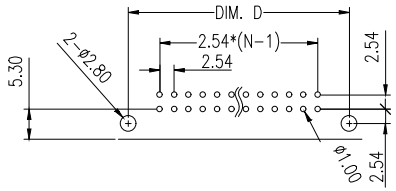
(PCB BOARD TOLERANCE±0.05)



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RoHS compliant
Unit: mm

c UL us
File No.: E198287

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	Date	Name
Drawn	17.05.2017	Winnie
Approved	20.05.2021	Daniel

ASSMANN WSW components

Description: DIN 41612
Type Half Q / Female / R/A
Board-lock

ASSMANN WSW-No.
A-HQFxxxxR-xMC1

Drawing-No.
ASS 7593 CO

rev03

Customer-No.

SHEET
2 / 2

SV4824