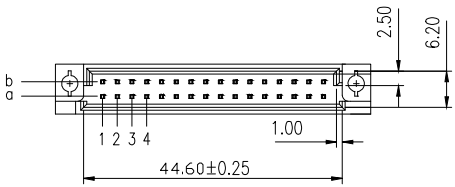
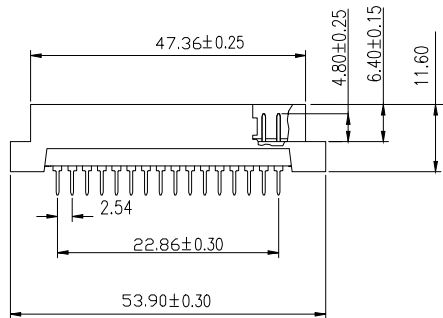


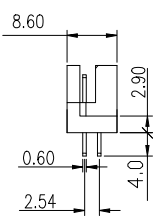
A



B



C



D

**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 (-1) 500 mating cycles min.  
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 (-2) 250 mating cycles min.  
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 (blank) 50 mating cycles min.  
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<sup>12</sup>Ohm min.
- Current rating: 2A
- Operating temperature: -40°C to 105°C
- Operating voltage: 125VAC
- Test voltage: 1000VAC
- Packaging: Tray

A

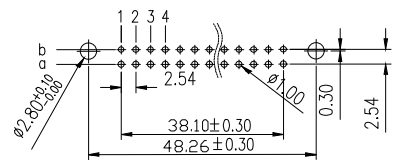
B

C

D

E

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



F

DIN41612 STYLE HALF B MALE STRAIGHT							CONTACT DETAILS			
ORDERING CODE							Pin length in mm	Cross section	Pin load	Pin type/direction
Style	M=Male F=Female	No of pins	Rows loaded	Pin type	Plating Class					
A - HB	M	xx	xx	x	- x					
Options (if another contact loading option is needed, please contact your sales office)										
A - HB	M	32	ab	T	- 1	4.00 (±0.25)	0.55x0.60(±0.03)	2x16	THT straight	
		16	a		2			1x16		
		16	b		blank			1x16		

E

F

G

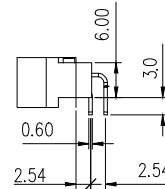
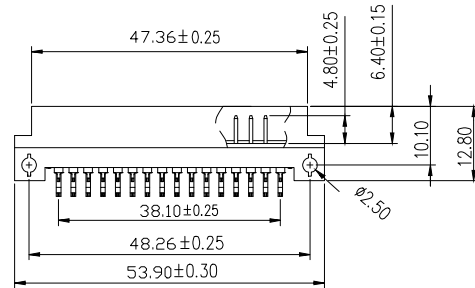
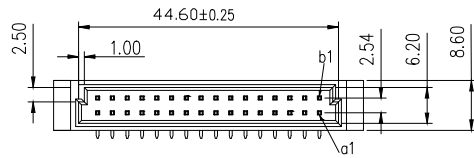
**RoHS compliant**  
Unit: mm

**cus**  
File No.: E198287

Scale	Free					Date	Name	Description: DIN 41612
TOLERANCE						Drawn	Alex	Style Half B / male / straight
X.	±X					Approved	Daniel	ASSMANN WSW-No.
X.X	±0.40							A-HBMxxxxx-x
X.XX	±0.25	②	Add UL E-file No.	17.05.2021	Daniel			
X.XXX	±0.15	①	Change to new plant	17.08.2020	Winnie			
		①	Drawn	29.07.2010	Alex			Drawing-No. ASS 4624 CO rev02
DIM	TOL	①						Customer-No.
Angle	±3°	Id.	Modification	Date	Name			SHEET 1/2

G

H



**Technical specifications:**

**Materials:**

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

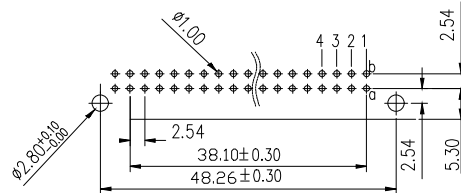
**Contact plating according DIN41612 performance classes:**

- Performance class I (-1)  
500 mating cycles min.  
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 (-2)  
250 mating cycles min.  
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 (blank)  
50 mating cycles min.  
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<sup>12</sup>Ohm min.  
Current rating: 2A  
Operating temperature: -40°C to 105°C  
Operating voltage: 125VAC  
Test voltage: 1000VAC  
Packaging: Tray

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



DIN41612 STYLE HALF B MALE RIGHT-ANGLE							CONTACT DETAILS			
ORDERING CODE							Pin length in mm	Cross section	Pin load	Pin type/direction
Style	M=Male F=Female	No of pins	Rows loaded	Pin type	Plating Class					
A - HB	M	xx	xx	x	- x					
Options (if another contact loading option is needed, please contact your sales office)										
A - HB	M	32	ab	R	- 1	3.00 (±0.25)	0.60x0.60(±0.03)	2x16	THT right/angle	
		16	a		2			1x16		
		16	b		blank			1x16		

G	<b>RoHS compliant</b> Unit: mm   File No.: E198287	Scale	Free					Date	Name	Description: DIN 41612		
		TOLERANCE						Drawn	29.07.2010	Alex	Style Half B / male / straight	
H		X.	±X					Approved	17.05.2021	Daniel	ASSMANN WSW-No.	
		X.X	±0.40								A-HBMxxxxx-x	
		X.XX	±0.25	②	Add UL E-file No.	17.05.2021	Daniel					
		X.XXX	±0.15	①	Change to new plant	17.08.2020	Winnie			Drawing-No.	ASS 4624 CO	rev02
		DIM	TOL	④	Drawn	29.07.2010	Alex			Customer-No.	SHEET	2/2
Angle	±3°	Id.	Modification	Date	Name							

1

2

3

4

5

6

7