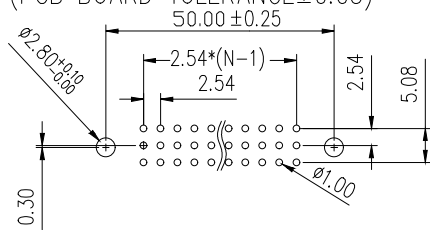


Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE ± 0.05)



**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

DIN41612 STYLE HALF C FEMALE STRAIGHT										
ORDERING CODE							CONTACT DETAILS			
Style	M=Male F=Female	No of pins	Rows loaded	Pin type	Plating Class	Board lock	Pin length in mm	Cross section	Pin load	Pin type/direction
A-	HC	F	xx	xx	x	x				
Options (if another contact loading option is needed, please contact your sales office)										
A-	HC	F	48	abc	T	1	MC1	T: 4.00 (±0.25)	0.60x0.60 (±0.03)	abc: 3x16 THT straight
			32	a+c	T2.5	2	blank	T2.5: 2.50 (±0.25)		a+c: 2x16
			16	a	W5	blank		W5: 4.57 (±0.25)		a: 1x16

**RoHS compliant**  
Unit: mm



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
②	Add UL E-file No.	20.05.2021	Daniel
①	Change to new plant	17.08.2020	Winnie
①	Drawn	31.08.2018	Xavier



Description: DIN 41612 Type half C / Female / straight	
ASSMANN WSW-No. A-HCFxxxxx-x	
Drawing-No. ASS 8206 CO	rev02
Customer-No.	SHEET 1 / 1