

**Technical specifications:**

**Materials:**

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

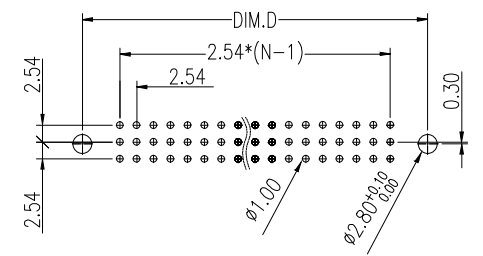
**Contact plating according DIN41612 performance classes:**

Performance class	Requirements
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)



③	RDWS	DIMA	DIMB	DIMD	DIME
3	95.00	78.74	85.20	90.00	
2	54.40	38.10	44.60	50.00	
1	54.40	38.10	44.60	50.00	

ORDERING CODE							CONTACT DETAILS			
Style	M=Male F=Female	No of pins	Rows loaded	Pin type	Plating Class	Pin length in mm	Cross section	Pin load	Pin type/direction	
A - C	M	xx	xx	x	- x					
Options (if another contact loading option is needed, please contact your sales office)										
④ A - C	M	96	abc	T	- 1	T:	4.00 (±0.25)	0.50x0.60(±0.03)	abc: 3x32 THT straight	
		64	a+c		2				a+c: 2x32	
		32	a		blank				a: 1x32	

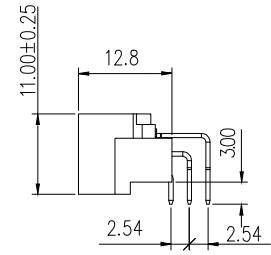
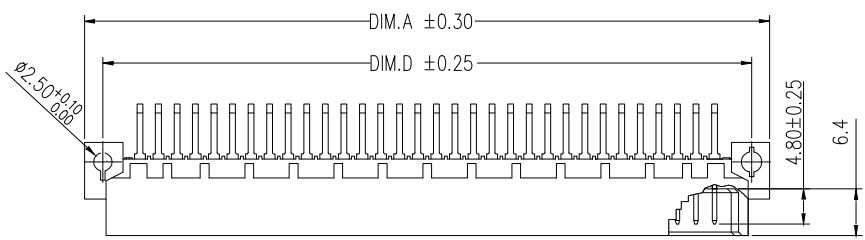
**RoHS compliant**  
Unit: mm  
**CALUS**  
File No.: E198287

Scale	Free	Date	Name	Description: DIN 41612
TOLERANCE	④	Update the Pin size to 0.5x0.60 on THT	19.01.2022	Winnie
X.	±X			Drawn
X.X	±0.40	Add UL E-file No. and update dimension	20.05.2021	Daniel
X.XX	±0.25			Approved
X.XXX	±0.15	Change to new plant	17.08.2020	Winnie
DIM	TOL	① Modification of Male Pin – see PCN20131612_DIN41612-Arev01	20.12.2013	Amy
Angle	±3°	② Drawn	24.05.2013	Winnie
		③		
		Id.	Modification	Date



Drawing-No. **ASS 5678 CO** rev04  
Customer-No. SHEET 1 / 2

**A-CMxxxxxx-x**



**Technical specifications:**

**Materials:**

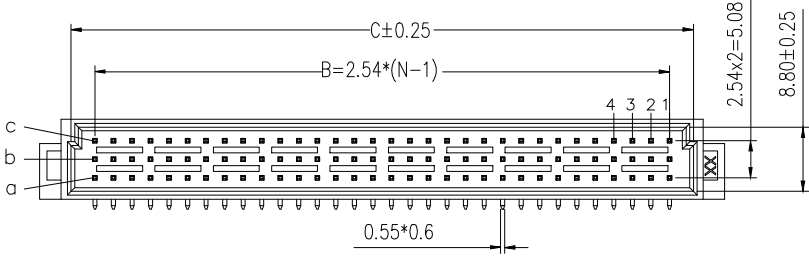
- 1. Insulator: Glass-Filled PBT, Color: Grey, UL 94V-0
- 2. Contact: Copper Alloy

**Contact plating according DIN41612 performance classes:**

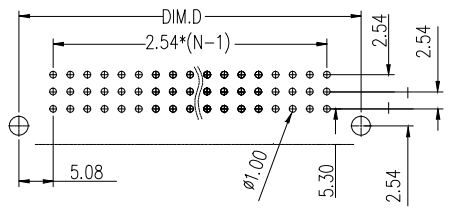
- Performance class I  
500 mating cycles min.  
30u" AU plating on mating area, Gold Flash on non-mating area,  
50u" Nickel underplating  
100u" Sn plating on solder area over 50u" Nickel
- Performance class II (-1)  
250 mating cycles min.  
15u" AU plating on mating area, Gold Flash on non-mating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



③	ROWS	DIMA	DIMB	DIMD	DIME
	3	94.00	78.74	85.20	88.90
	2	53.90	38.10	44.60	48.26
	1	53.90	38.10	44.60	48.26

DIN41612 STYLE C MALE RIGHT-ANGLE									
ORDERING CODE						CONTACT DETAILS			
Style	M=Male F=Female	No of pins	Rows loaded	Pin typ	Plating Class	Pin length in mm	Cross section	Pin load	Pin type/direction
A - C	M	xx	xx	x	- x				
Options (if another contact loading option is needed, please contact your sales office)									
④	A - C	M	96	abc	R - 1	R: 3.00 (±0.25)	0.50x0.60(±0.03)	abc: 3x32	THT right-angle
			64	a+c	2			a+c: 2x32	
			32	a	blank			a: 1x32	

**RoHS compliant**  
Unit: mm



Scale	Free	Date	Name	Description: DIN 41612
TOLERANCE	④	Update the Pin size to 0.5x0.60 on THT	19.01.2022	Winnie
X.	±X			
X.X	±0.40	③	Add UL E-file No. and update dimension	20.05.2021
X.XX	±0.25	②	Change to new plant	17.08.2020
X.XXX	±0.15	①	Modification of Male Pin – see PCN20131612_DIN41612-Arev01	20.12.2013
DIM	TOL	①	Drawn	24.05.2013
Angle	±3°	Id.	Modification	Date



Drawing-No. **ASS 5678 CO** rev04  
Customer-No. SHEET 2 / 2