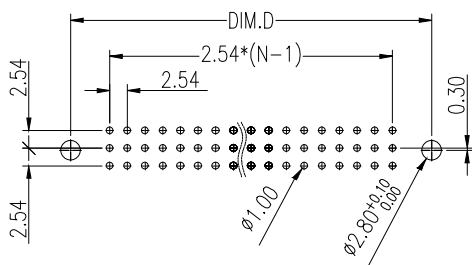


Recommended P.C.B Layout(Top Side)  
(PCB BOARD TOLERANCE±0.05)



**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.)  
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.)  
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<sup>12</sup>Ohm min.  
Current rating: 2A  
Operating temperature: -40°C to 105°C  
Operating voltage: 125VAC  
Test voltage: 1000VAC  
Packaging: Tray  
Printing: WSW+WSW part number +datacode(WWYY)

DIN41612 STYLE R MALE INVERSIVE STRAIGHT									
ORDERING CODE						CONTACT DETAILS			
Style	M=Male F=Female	No of	Rows loaded	Pin type	Plating Class	Pin length in mm	Cross section	Pin load	Pin type/direction
A-	R	M	xx	xx	x - x				
Options (if another contact loading option is needed, please contact your sales office)									
A	R	M	96	abc	T	1	T: 4.00 (±0.25)	0.60x0.60(±0.03)	abc: 3x32
			64	a+c	T2.5	2	T2.5: 2.50 (±0.25)		a+c: 2x32
			32	a		blank			a: 1x32
					WAP		WAB: 13.00 (±0.20)	0.64x0.60(±0.03)	Wire wrap (Page 2)
					P		P: 5.00 (±0.20)		Press-in straight (Page 3)
					PWAB		PWAB: 13.00 (±0.20)		

ROWS	DIM.A	DIM.B	DIM.C	DIM.D
3	95.00	78.74	85.20	90.00
2	95.00	78.74	85.20	90.00
3	54.40	38.10	44.60	50.00
2	54.40	38.10	44.60	50.00

G  
H

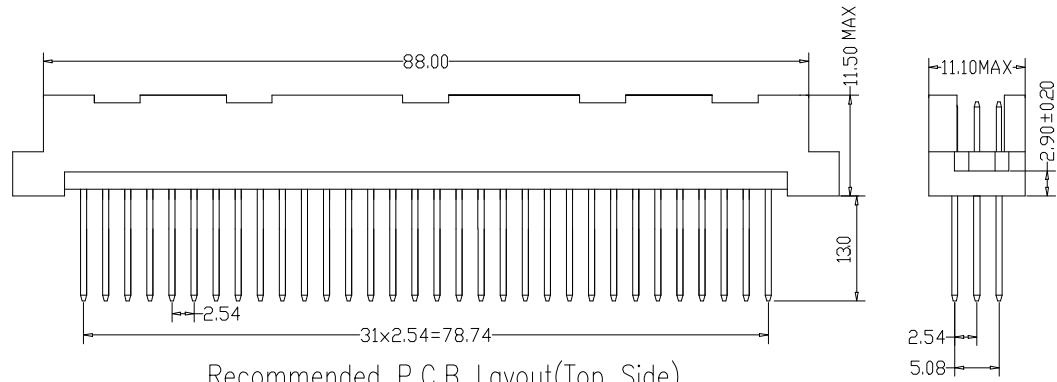
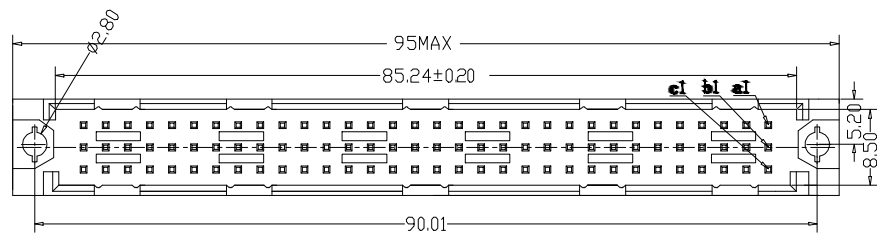
**RoHS compliant**  
Unit: mm

**cus**  
File No.: E198287

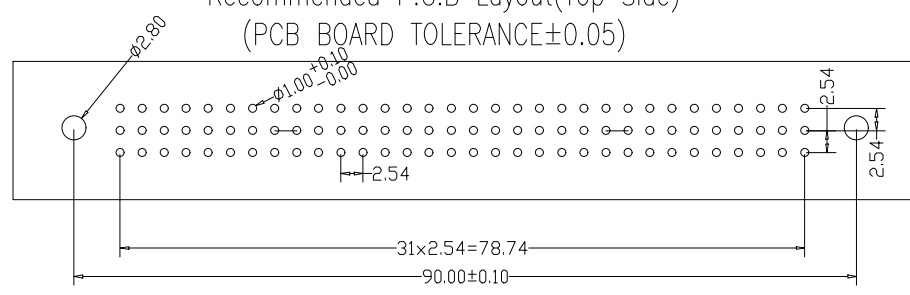
Scale	Free					Date	Name	Description: DIN 41612
TOLERANCE		④	Add UL E-file No.	20.05.2021	Daniel	Drawn	Winnie	Type R / Male / straight
X.	±X	③	Add the page 2&3	30.01.2021	Winnie	Approved	Daniel	ASSMANN WSW-No.
X.X	±0.40							<b>A-RMxxxx-x</b>
X.XX	±0.25	②	Change to new plant	17.08.2020	Winnie			
X.XXX	±0.15	①	Modification of Male Pin – see PCN20131612_DIN41612-Arev01	20.12.2013	Amy			Drawing-No.
		①	Drawn	27.05.2013	Winnie			<b>ASS 5681 CO</b>
DIM	TOL							rev04
Angle	±3°	Id.	Modification	Date	Name			Customer-No.
								SHEET 1 / 3



ASSMANN WSW components



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<sup>12</sup>Ohm min.  
 Current rating: 2A  
 Operating temperature: -40°C to 105°C  
 Operating voltage: 125VAC  
 Test voltage: 1000VAC  
 Packaging: Tray  
 Printing: WSW+WSW part number +datacode(WWYY)

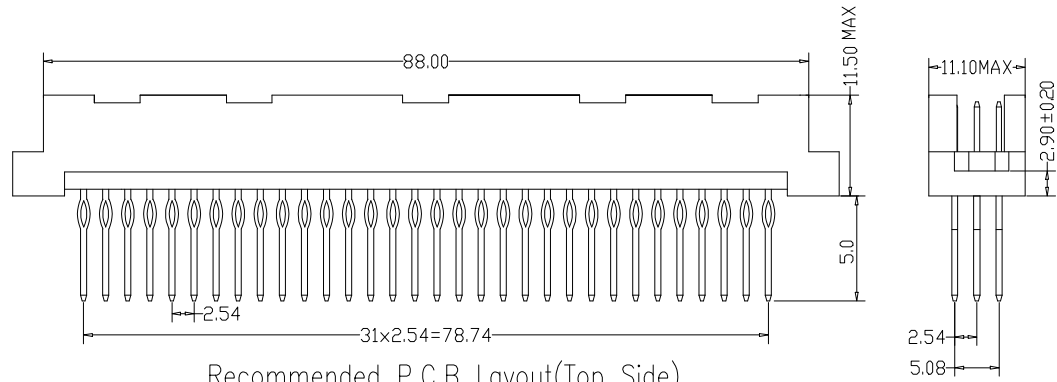
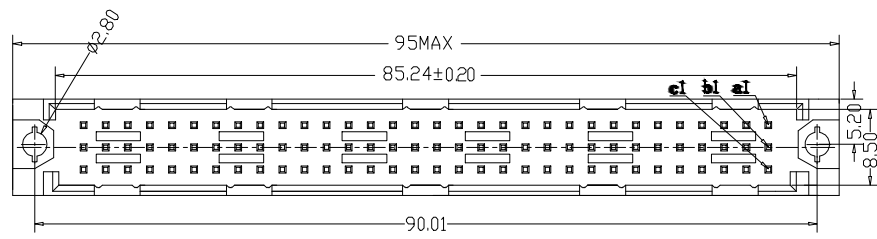
DIN41612 STYLE R MALE INVERSIVE STRAIGHT										
ORDERING CODE						CONTACT DETAILS				
Style	M=Male F=Female	No of	Rows loaded	Pin type	Plating Class	Pin length in mm	Cross section	Pin load	Pin type/ direction	
A-	R	M	xx	xx	x -	x				
Options (if another contact loading option is needed, please contact your sales office)										
A-	R	M	96	abc	T	-	1	T: 4.00 (±0.25)	0.60x0.60(±0.03)	abc: 3x32
			64	a+c	T2.5		2	T2.5: 2.50 (±0.25)		a+c: 2x32
			32	a			blank			a: 1x32
					WAP			WAB: 13.00 (±0.20)	0.64x0.60(±0.03)	Wire wrap (Page 2)
					P			P: 5.00 (±0.20)		Press-In straight (Page 3)
					PWAB			PWAB: 13.00 (±0.20)		

**RoHS compliant**  
Unit: mm

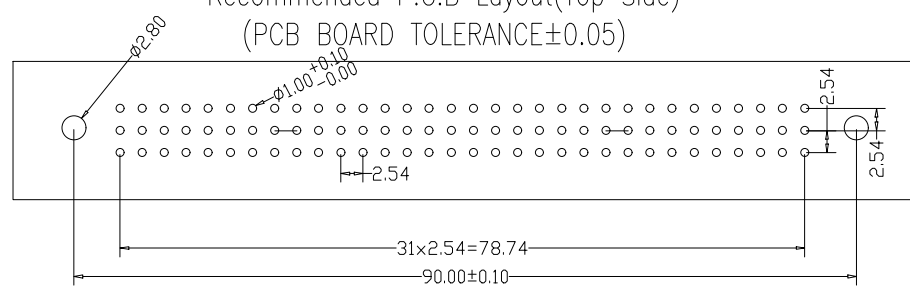
**cus**  
File No.: E198287

Scale	Free					Date	Name	Description: DIN 41612
TOLERANCE		④	Add UL E-file No.	20.05.2021	Daniel	Drawn	Winnie	Type R / THT Wrap / Male / Straight
X.	±X	③	Add the page 2&3	30.01.2021	Winnie	Approved	Daniel	ASSMANN WSW-No.
X.X	±0.40							<b>A-RMxxxx-x</b>
X.XX	±0.25	②	Change to new plant	17.08.2020	Winnie			
X.XXX	±0.15	①	Modification of Male Pin – see PCN20131612_DIN41612-Arev01	20.12.2013	Amy			Drawing-No.
		①	Drawn	27.05.2013	Winnie			<b>ASS 5681 CO</b>
DIM	TOL	①						rev04
Angle	±3°	Id.	Modification	Date	Name			Customer-No.
								SHEET 2 / 3





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.)  
 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.)  
 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<sup>12</sup>Ohm min.  
 Current rating: 2A  
 Operating temperature: -40°C to 105°C  
 Operating voltage: 125VAC  
 Test voltage: 1000VAC  
 Packaging: Tray  
 Printing: WSW+WSW part number +datacode(WWYY)

DIN41612 STYLE R MALE INVERSIVE STRAIGHT										
ORDERING CODE						CONTACT DETAILS				
Style	M=Male F=Female	No of	Rows loaded	Pin type	Plating Class	Pin length in mm	Cross section	Pin load	Pin type/ direction	
A-	R	M	xx	xx	x -	x				
Options (if another contact loading option is needed, please contact your sales office)										
A-	R	M	96	abc	T	-	1	T: 4.00 (±0.25)	0.60x0.60(±0.03)	abc: 3x32
			64	a+c	T2.5		2	T2.5: 2.50 (±0.25)		a+c: 2x32
			32	a			blank			a: 1x32
					WAP			WAB: 13.00 (±0.20)	0.64x0.60(±0.03)	Wire wrap (Page 2)
					P			P: 5.00 (±0.20)		Press-in straight (Page 3)
					PWAB			PWAB: 13.00 (±0.20)		

**RoHS compliant**  
Unit: mm

Scale	Free					Date	Name	Description: DIN 41612
TOLERANCE		④	Add UL E-file No.	20.05.2021	Daniel	Drawn	Winnie	Type R / Press-in / Male/ Straight
X.	±X	③	Add the page 2&3	30.01.2021	Winnie	Approved	Daniel	ASSMANN WSW-No.
X.X	±0.40	②	Change to new plant	17.08.2020	Winnie			<b>A-RMxxxx-x</b>
X.XX	±0.25	①	Modification of Male Pin – see PCN20131612_DIN41612-Arev01	20.12.2013	Amy			Drawing-No.
X.XXX	±0.15	①						<b>ASS 5681 CO</b>
		①						rev04
DIM	TOL	①	Drawn	27.05.2013	Winnie	<b>ASSMANN</b> WSW components		Drawing-No.
Angle	±3°	Id.	Modification	Date	Name			Customer-No.

