

Technical specifications:

Materials:

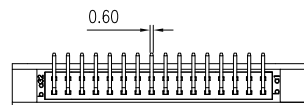
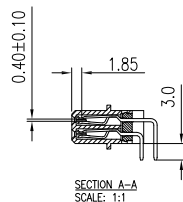
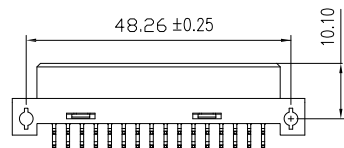
- Insulator: Glass-Filled PBT, Color: Grey, UL 94V-0
- Contact: Copper Alloy

Contact plating according DIN41612 performance classes:

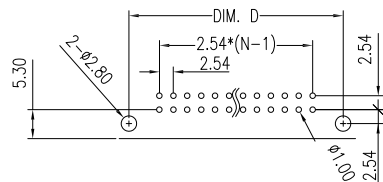
- Performance class I (-1) 500 mating cycles min.
 30u" AU plating on mating area, Gold Flash on non-mating area,
 50u" Nickel underplating
 100u" Sn plating on solder area over 50u" Nickel
- Performance class II (-2) 250 mating cycles min.
 15u" AU plating on mating area, Gold Flash on non-mating area,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



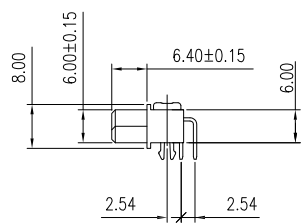
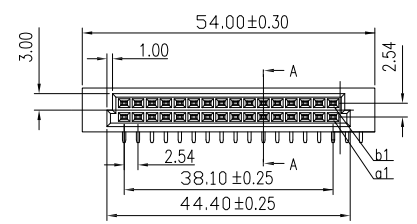
DIN41612 STYLE HALF Q FEMALE INVERSIVE RIGHT-ANGLE											
ORDERING CODE								CONTACT DETAILS			
Style	M=Male F=Female	No of pins	Rows loaded	Pin type	Plating Class	Boardlock	Pin length in mm	Cross section	Pin load	Pin type/direction	
A- HQ	F	xx	xx	x	-	x	x				
Options (if another contact loading 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 a: 1x16 b: 1x16	
		16	a			2	blank				
		16	b			blank					

Scale	Free					Date	Name	Description: DIN 41612
TOLERANCE						Drawn	17.05.2017	Winnie
X.	±X					Approved	25.02.2021	Winnie
X.X	±0.40							ASSMANN WSW-No.
X.XX	±0.25	②	Add page 2	25.02.2021	Winnie			A-HQFxxxxR-x
X.XXX	±0.15	①	Change to new plant	17.08.2020	Winnie			Drawing-No.
		①	Drawn	17.05.2017	Winnie			ASS 7593 CO
DIM	TOL	①	Id.	Modification	Date			Name
Angle	±3°							SHEET 1 / 2

RoHS compliant
 Unit:mm



A
B
C
D



Technical specifications:

Materials:

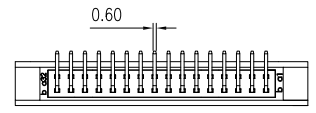
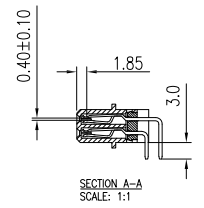
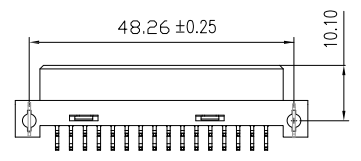
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- 2. Contact: Copper Alloy

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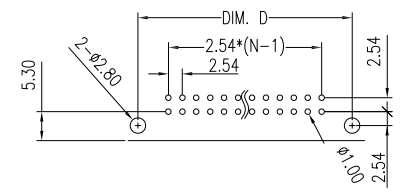
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		16	b		blank				

E
F

G
H

RoHS compliant
Unit:mm

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DIM	TOL	①	Id.	Modification	Date			Name
Angle	±3°							SHEET 2 / 2