

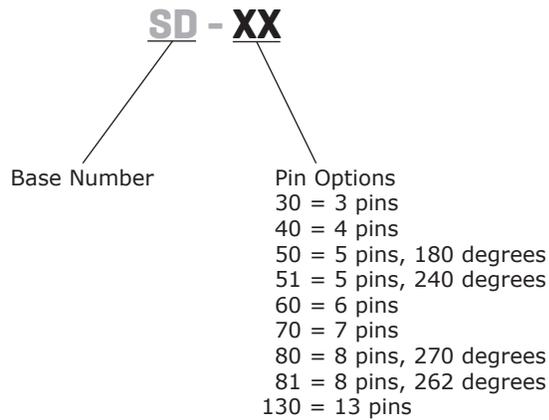
**SERIES:** SD | **DESCRIPTION:** STANDARD DIN CONNECTOR

**FEATURES**

- strain relief
- 3~13 pins
- 100 Vac rated



**PART NUMBER KEY**

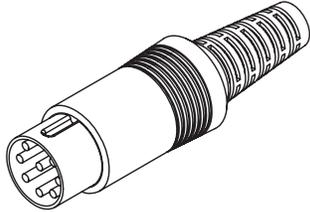


**SPECIFICATIONS**

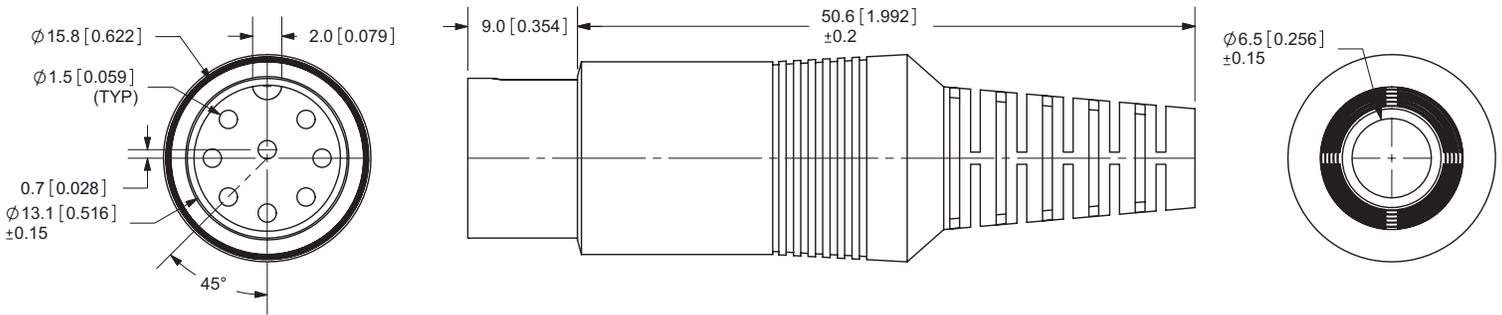
parameter	conditions/description	min	typ	max	units
rated input voltage			100 12		Vac Vdc
rated input current	at 100 Vac at 12 Vdc			1 2	A A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			1,000	Vac
insertion force				4	kg
withdrawal force		1		3.5	kg
operating temperature		5		70	°C
life			5,000		cycles
RoHS	2011/65/EU				

## MECHANICAL DRAWINGS

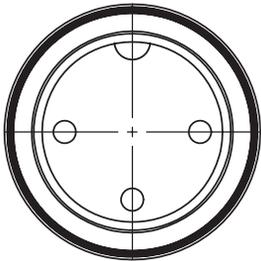
units: mm[inches]  
tolerance:  $\pm 0.1$  mm



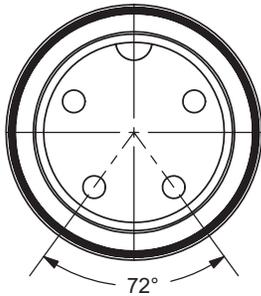
	MATERIAL	PLATING
contact pins (30~80)	brass	nickel
contact pins (81, 130)	brass	silver
shell	steel	nickel
insulator (30~80, 130)	PBT	
insulator (81)	ABS	
boot	EVA	



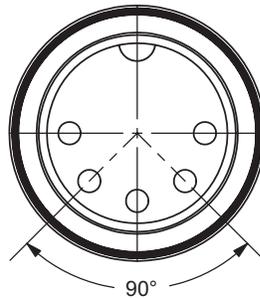
**SD-30**



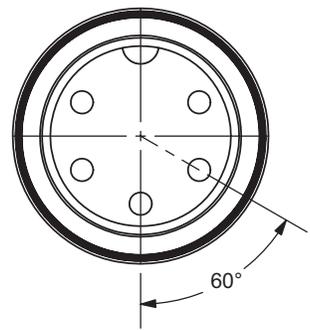
**SD-40**



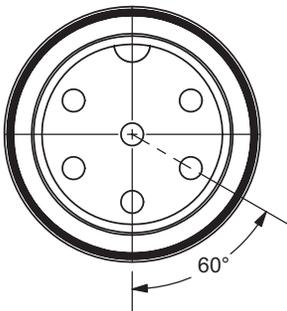
**SD-50**



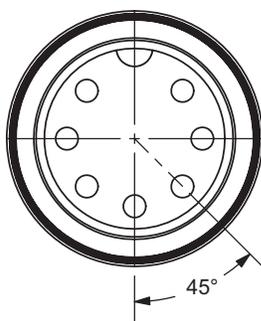
**SD-51**



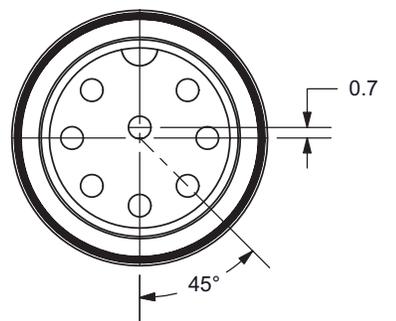
**SD-60**



**SD-70**

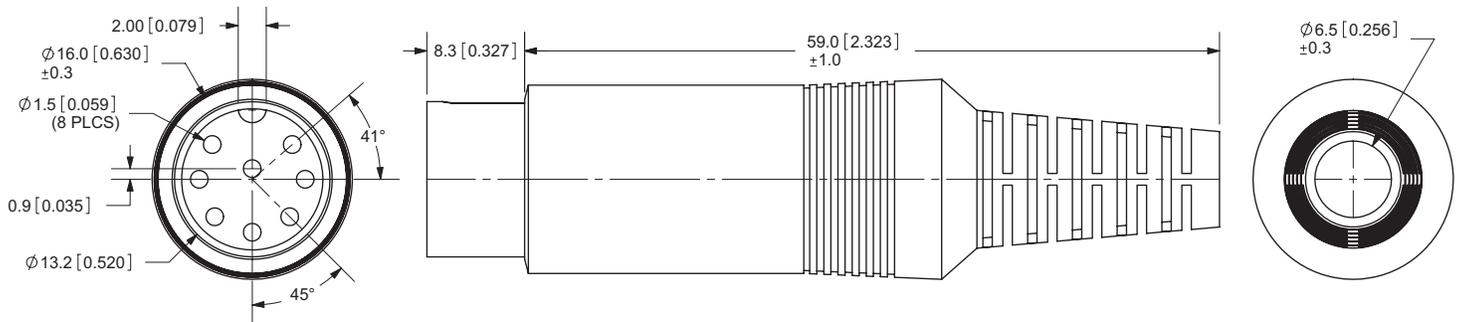
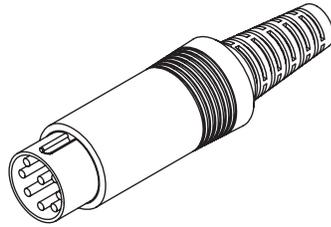


**SD-80**

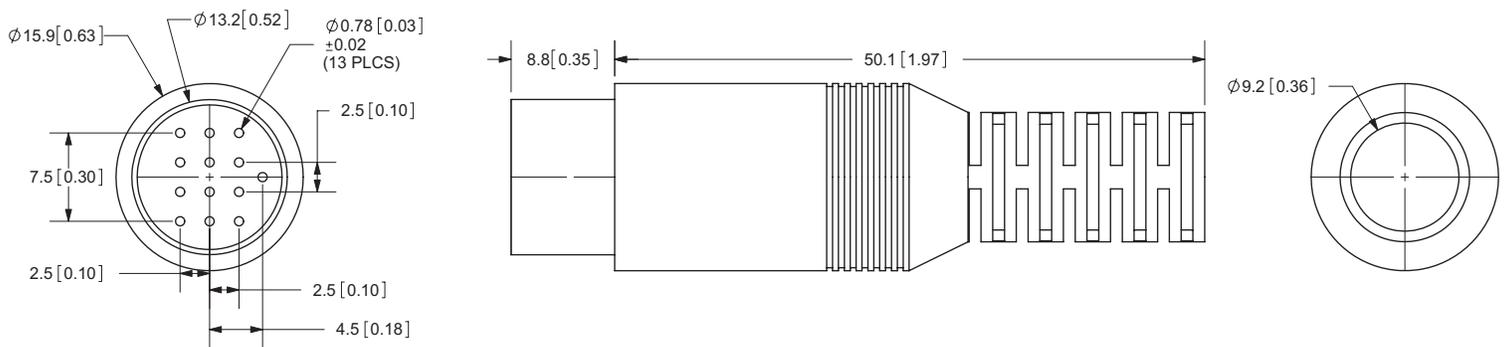
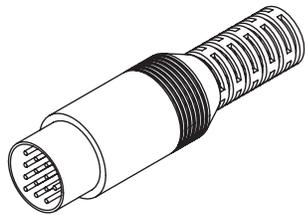


units: mm[inches]  
tolerance:  $\pm 0.1$  mm

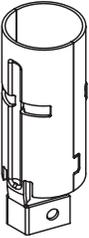
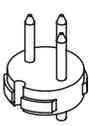
**SD-81**

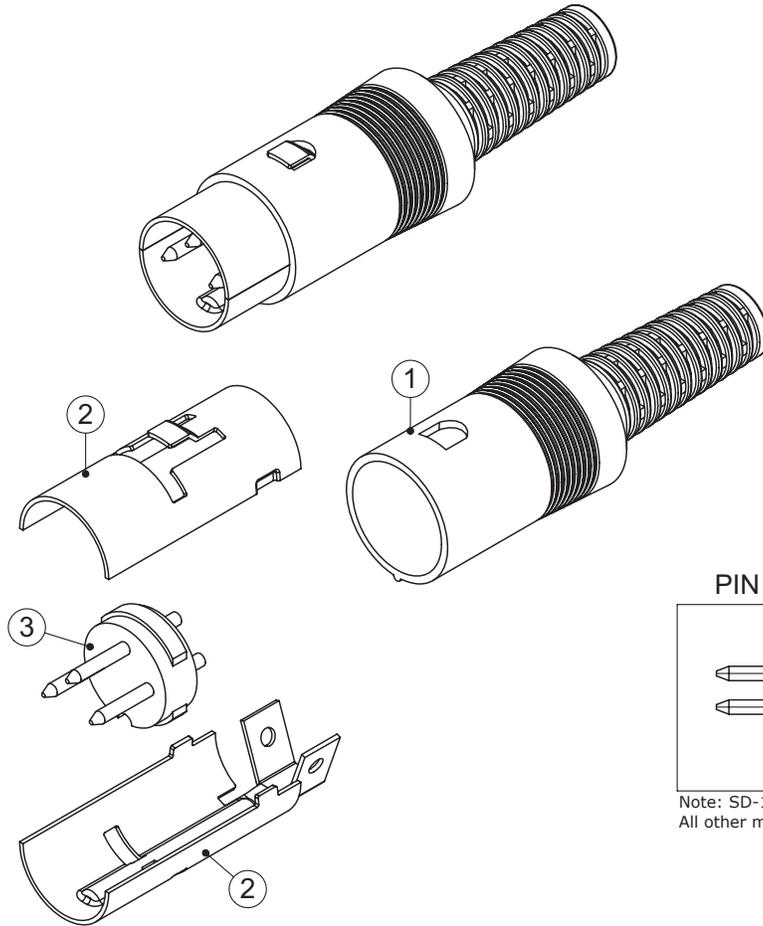


**SD-130**

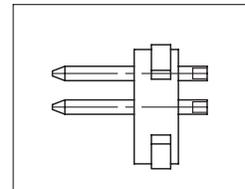


## MECHANICAL ASSEMBLY

1	cover	
2	metal shield	
3	housing	

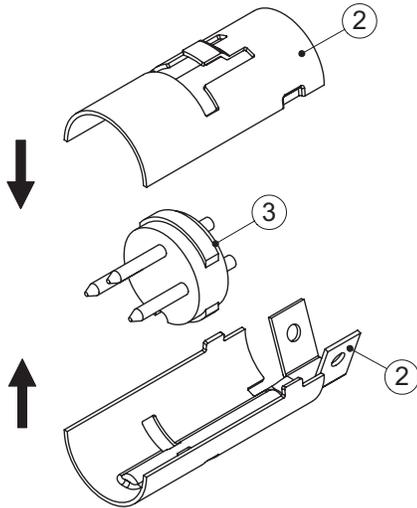


### PIN DETAILS

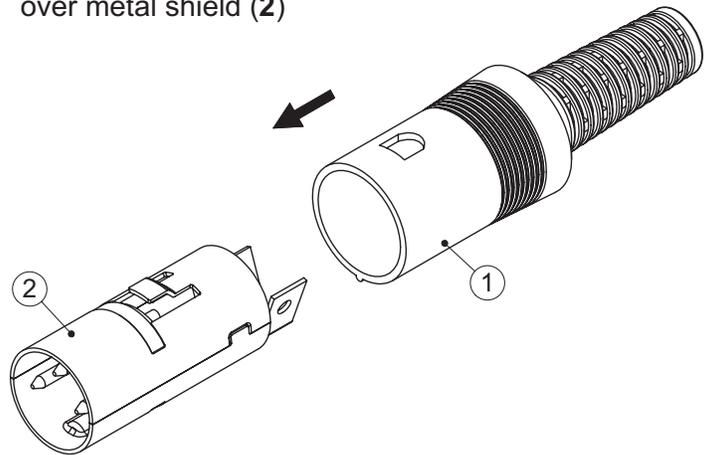


Note: SD-130 has solid solder pins.  
All other models have solder cups.

**STEP 1**  
solder wires to  
housing (3),  
assemble metal  
shield pieces (2)  
onto housing (3)



**STEP 2**  
slide cover (1)  
over metal shield (2)



## REVISION HISTORY

rev.	description	date
1.0	initial release	02/23/2006
1.01	new template applied	02/15/2012
1.02	updated housings	04/12/2012
1.03	corrected center pin positioning on SD-80	09/13/2013
1.04	updated datasheet	05/22/2017

The revision history provided is for informational purposes only and is believed to be accurate.



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