SERIES: SD | DESCRIPTION: STANDARD DIN CONNECTOR

FEATURES

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



RoHS

PART NUMBER KEY

SD - XX

Base Number

Pin Options
30* = 3 pins
40 = 4 pins
50 = 5 pins, 180 degrees
60 = 6 pins
70* = 7 pins
80 = 8 pins, 270 degrees
81* = 8 pins, 262 degrees
130* = 13 pins

Note: *. Discontinued SD-30, SD-70- SD-81, & SD-130 models.

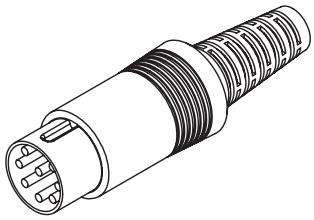
SPECIFICATIONS

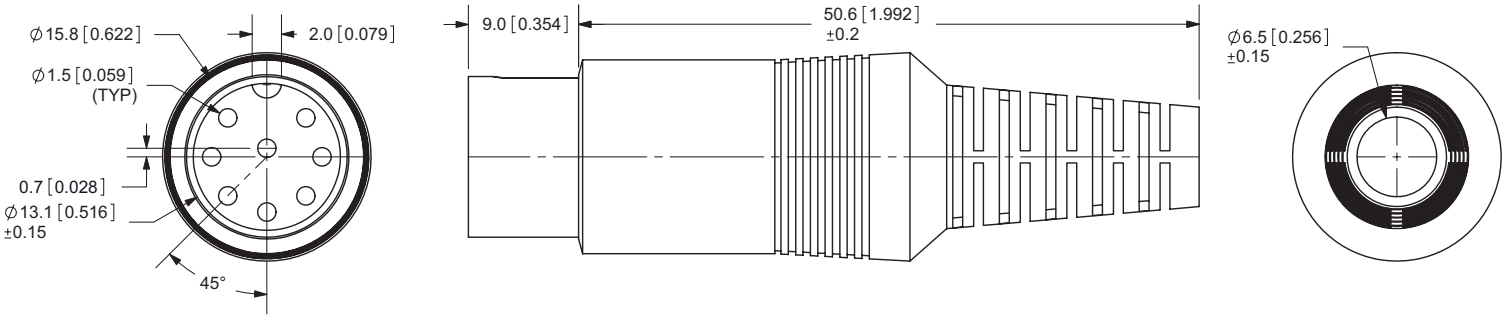
parameter	conditions/description	min	typ	max	units
rated input voltage			100 12		Vac Vdc
rated input current	at 100 Vac at 12 Vdc			1 2	A A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			1,000	Vac
insertion force				4	kg
withdrawal force		1		3.5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

MECHANICAL DRAWINGS

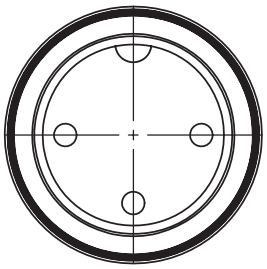
units: mm[inches]
tolerance: ±0.1 mm

	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	

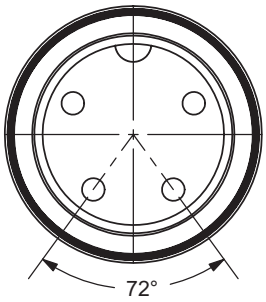




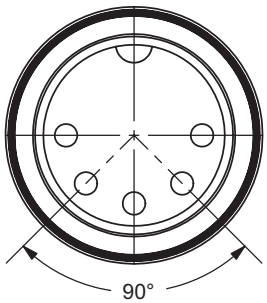
SD-30



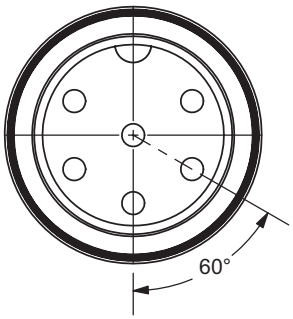
SD-40



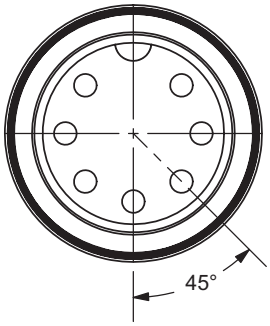
SD-50



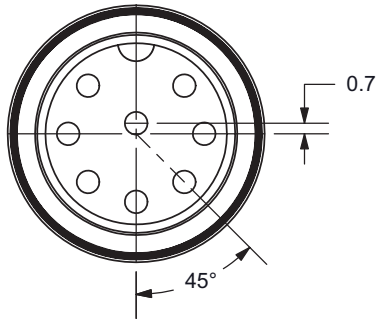
SD-60



SD-70

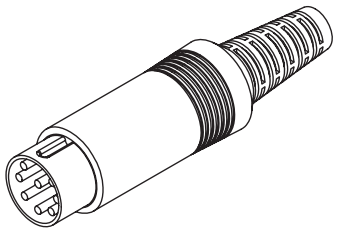


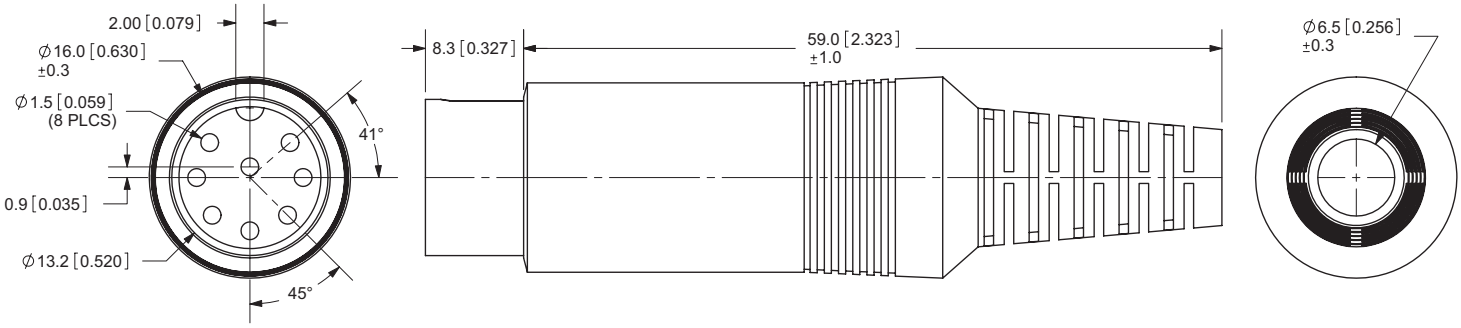
SD-80



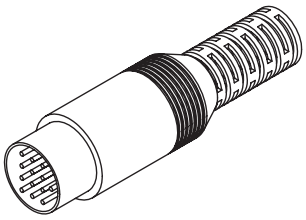
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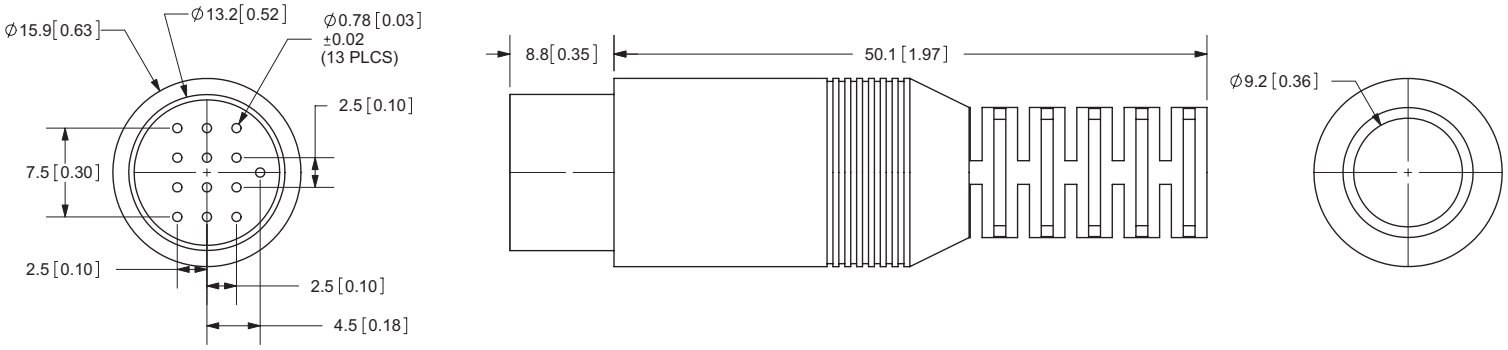
SD-81



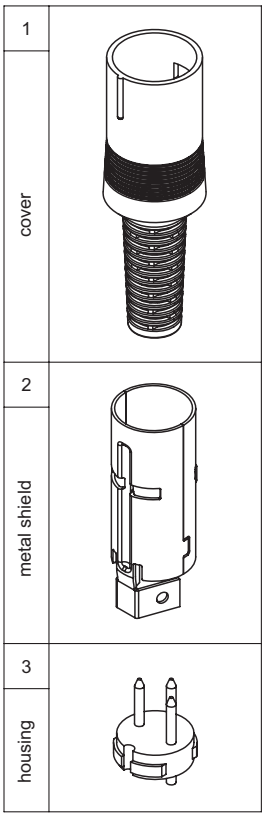


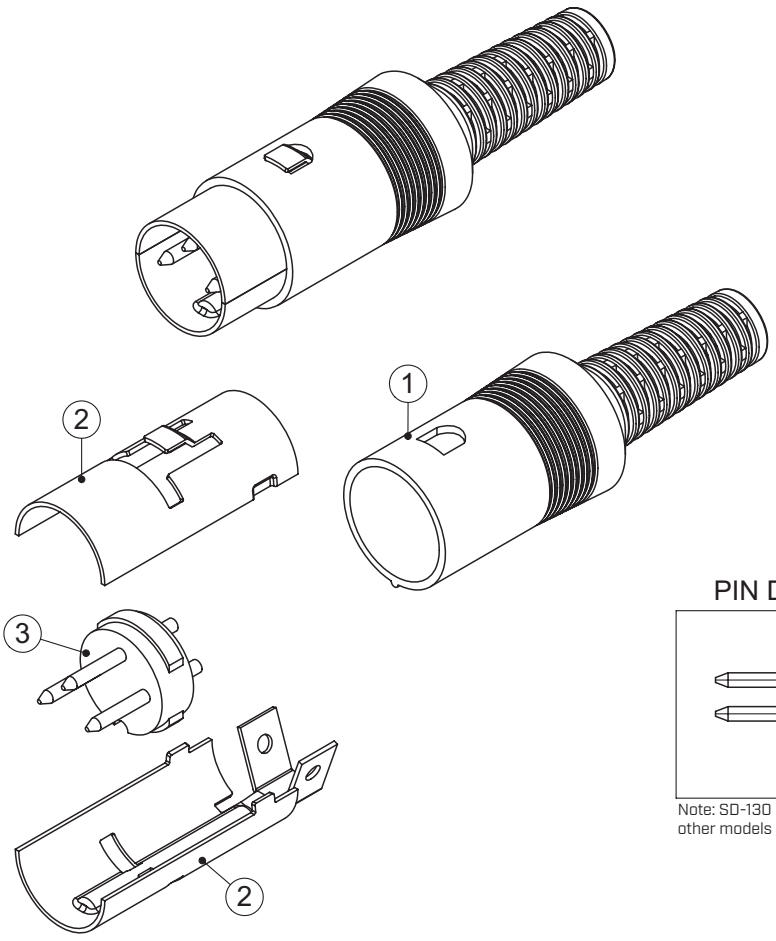
SD-130



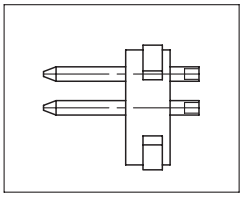


MECHANICAL ASSEMBLY



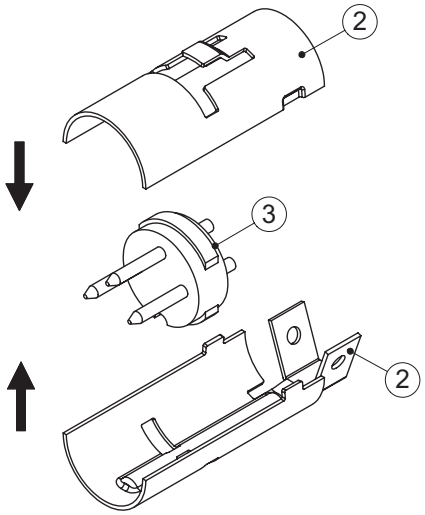


PIN DETAILS

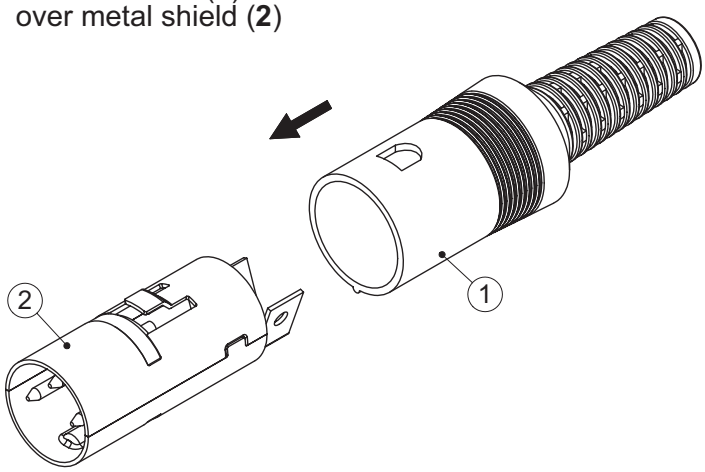


Note: SD-130 has solid solder pins. All other models have solder cups.

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
1.05	updated datasheet	10/16/2018
1.06	brand update	02/19/2020
1.07	logo, datasheet style update	08/05/2022
1.08	discontinued model SD-30	09/26/2022
1.09	discontinued model SD-70	01/10/2023
1.10	discontinued model SD-81	02/08/2023
1.11	discontinued model SD-130	04/19/2023

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

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