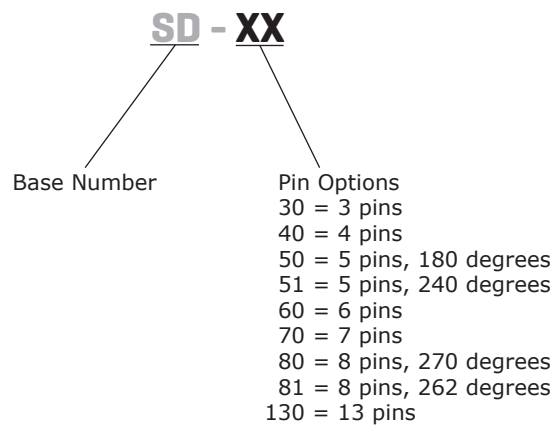


SERIES: SD | **DESCRIPTION:** STANDARD DIN CONNECTOR
FEATURES

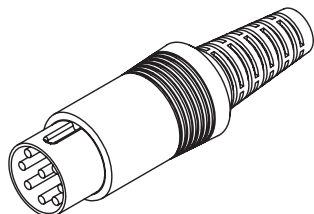
- strain relief
- 3~13 pins
- 100 Vac rated

**PART NUMBER KEY****SPECIFICATIONS**

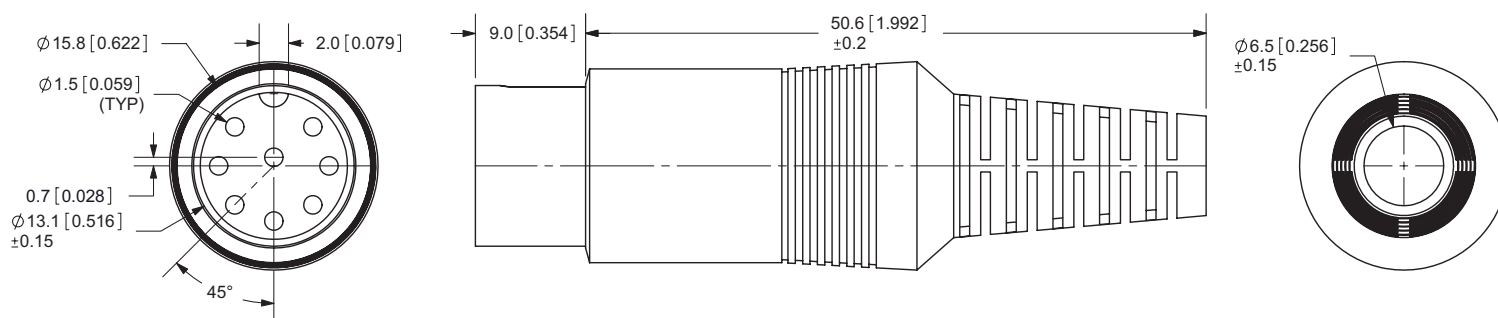
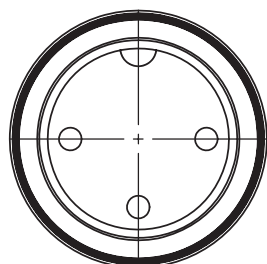
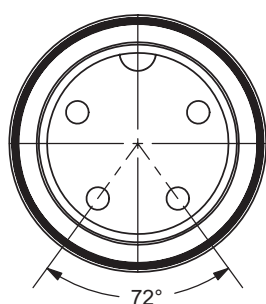
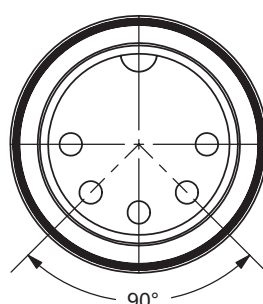
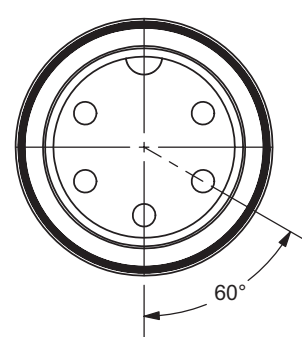
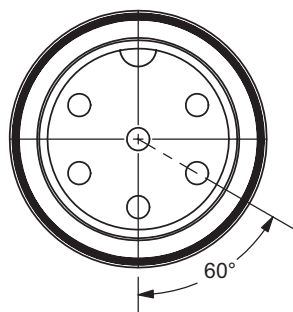
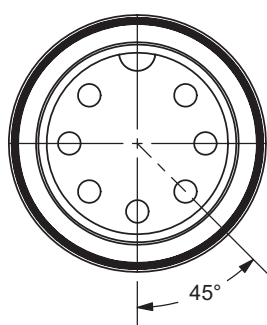
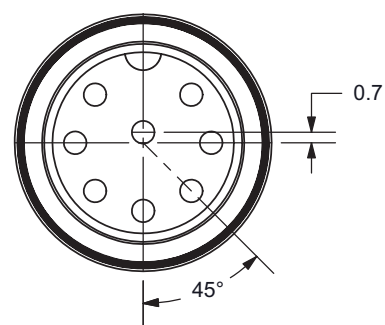
parameter	conditions/description	min	typ	max	units
rated input voltage			100 12		Vac Vdc
rated input current	at 100 Vac at 12 Vdc			1 2	A A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			1,000	Vac
insertion force				4	kg
withdrawal force		1		3.5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

MECHANICAL DRAWINGS

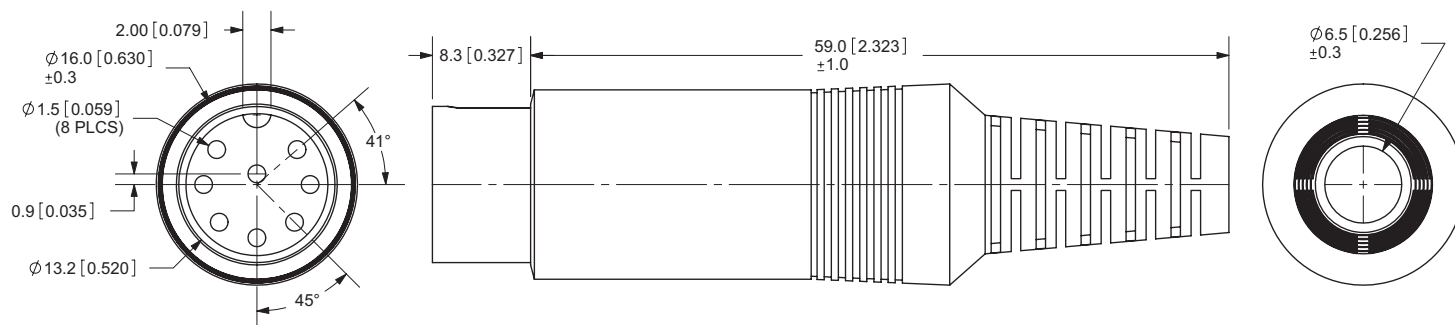
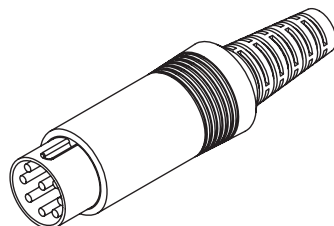
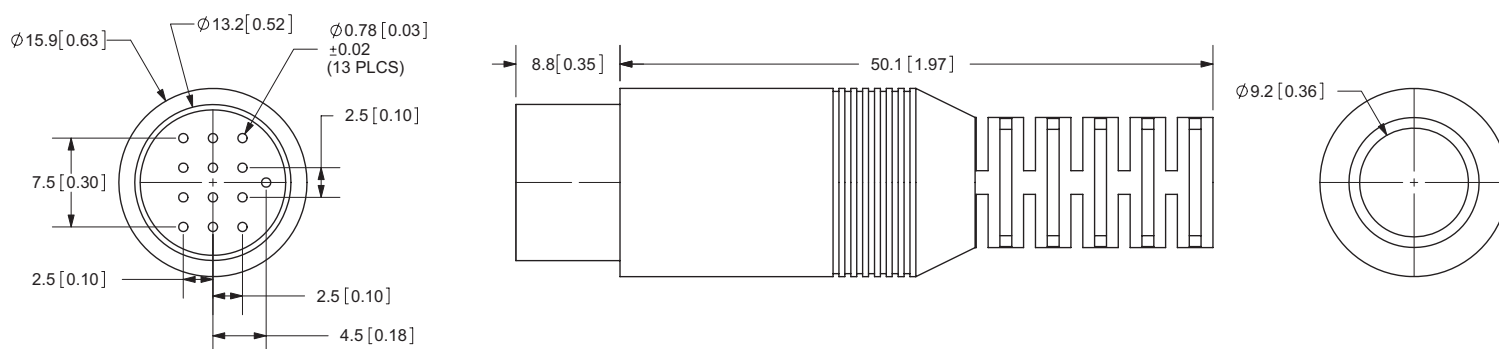
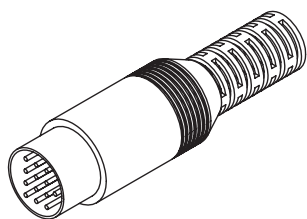
units: mm[inches]
tolerance: ± 0.1 mm



	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	

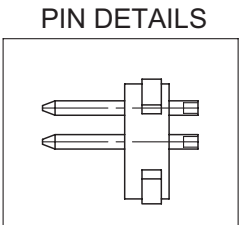
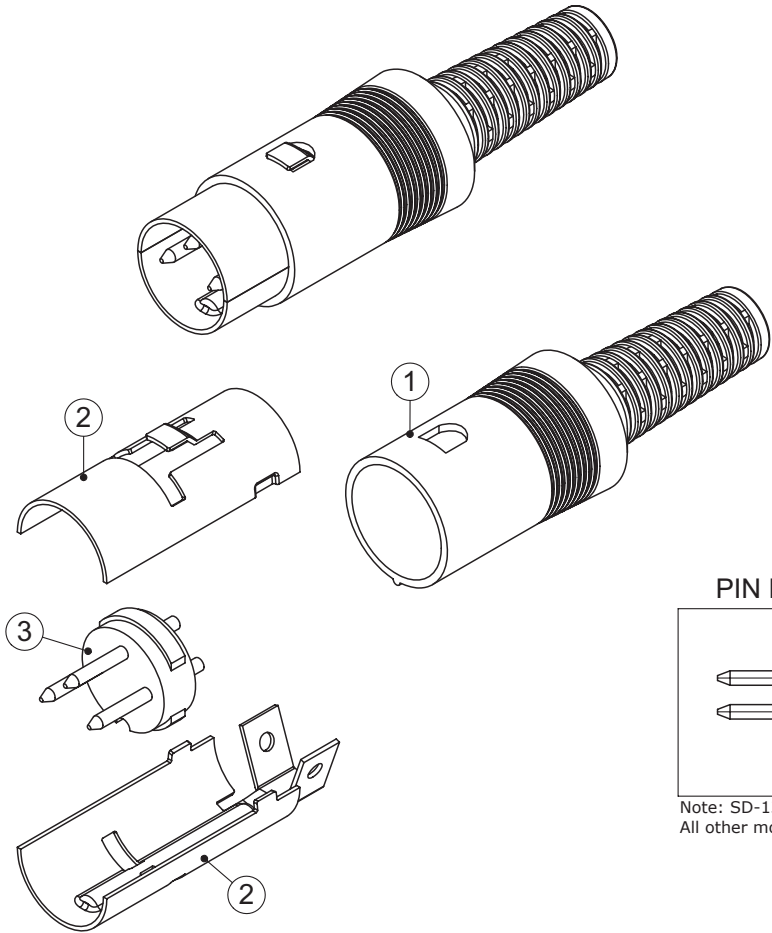
**SD-30****SD-40****SD-50****SD-51****SD-60****SD-70****SD-80**

units: mm[inches]
tolerance: ± 0.1 mm

SD-81**SD-130**

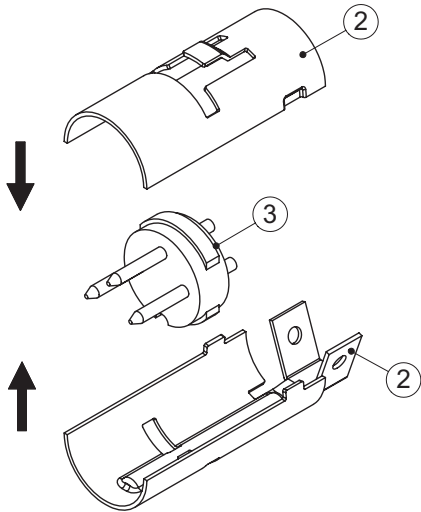
MECHANICAL ASSEMBLY

1	cover
2	metal shield
3	housing

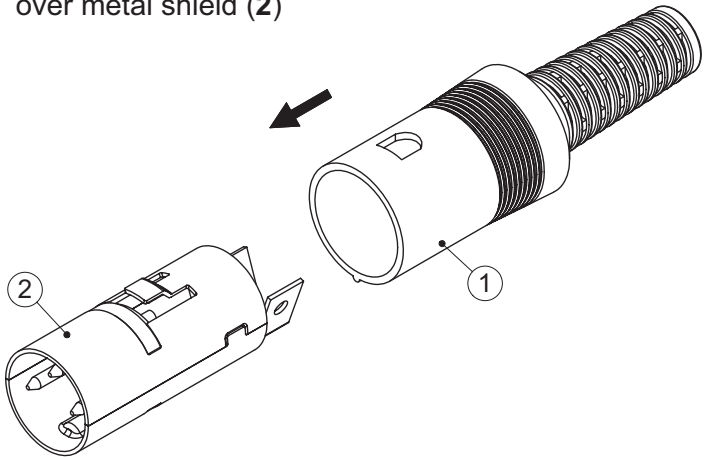


Note: SD-130 has solid solder pins.
All other models have solder cups.

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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CUI Inc.:

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[SD-30](#) [SD-60LS](#) [SD-130](#) [SD-80](#) [SD-30LP](#) [SD-70LP](#) [SD-30LS](#) [SD-60BV](#) [SD-60](#) [SD-40LS](#) [SD-80LS](#) [SD-80BV](#)
[SD-40](#)