CUI INC®

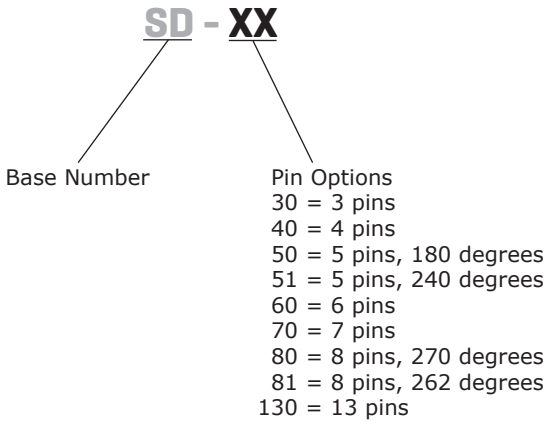
SERIES: SD | DESCRIPTION: STANDARD DIN CONNECTOR

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



RoHS

PART NUMBER KEY



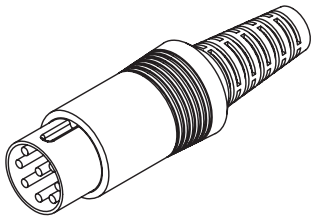
SPECIFICATIONS

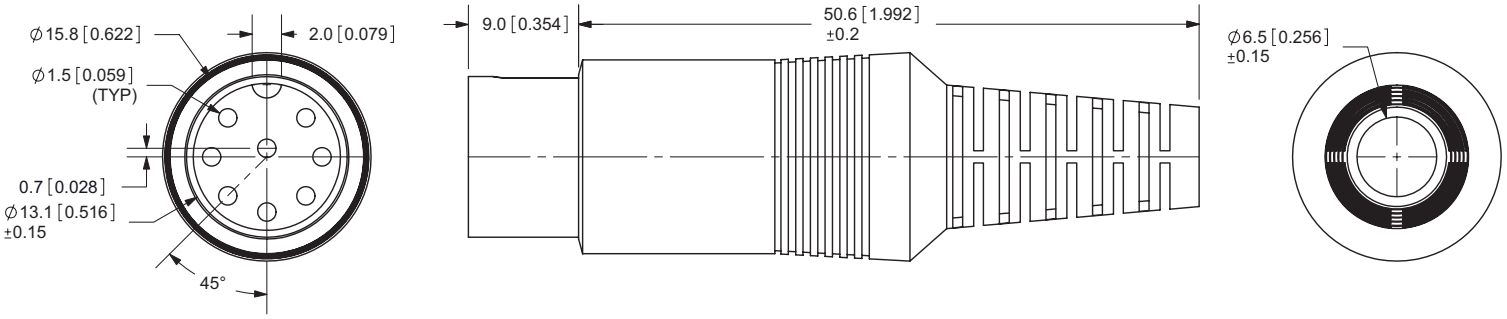
parameter	conditions/description	min	typ	max	units
rated input voltage			100 12		Vac Vdc
rated input current	at 100 Vac at 12 Vdc			1 2	A A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			1,000	Vac
insertion force				4	kg
withdrawal force		1		3.5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

MECHANICAL DRAWINGS

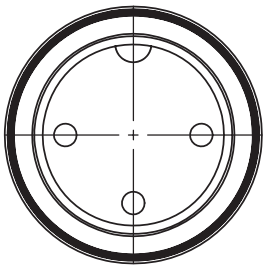
units: mm[inches]
tolerance: ±0.1 mm

	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	

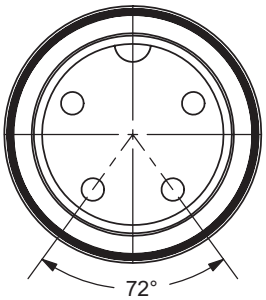




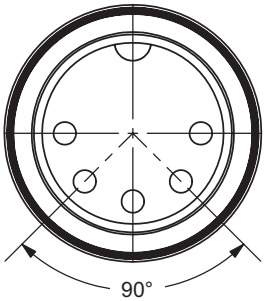
SD-30



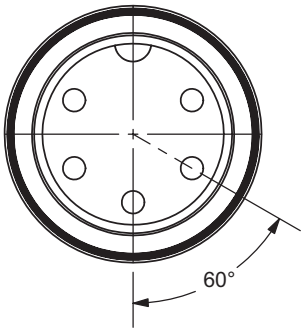
SD-40



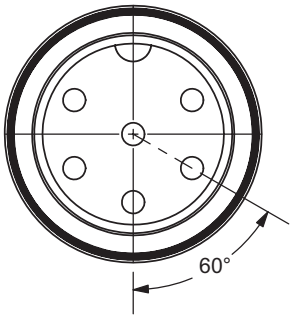
SD-50



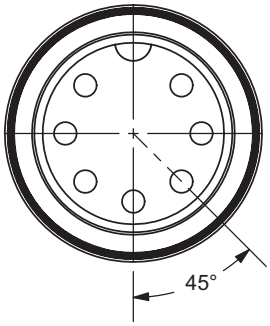
SD-51



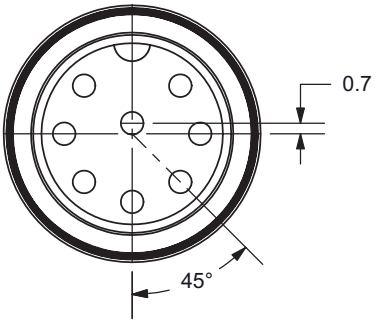
SD-60



SD-70

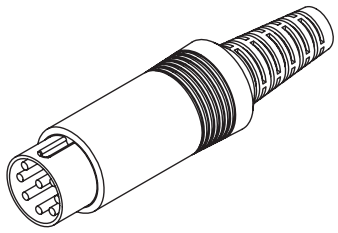


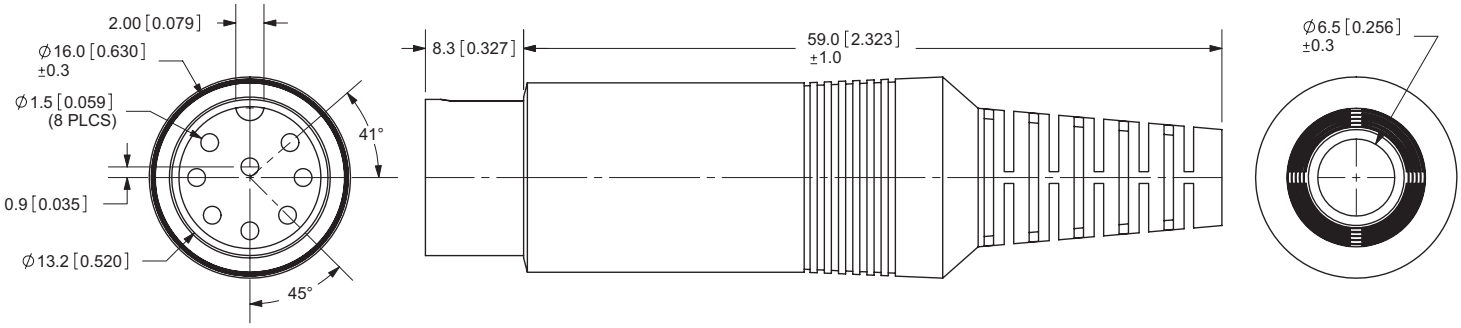
SD-80



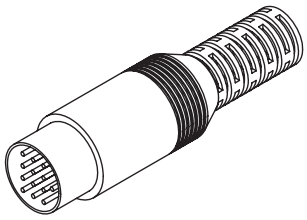
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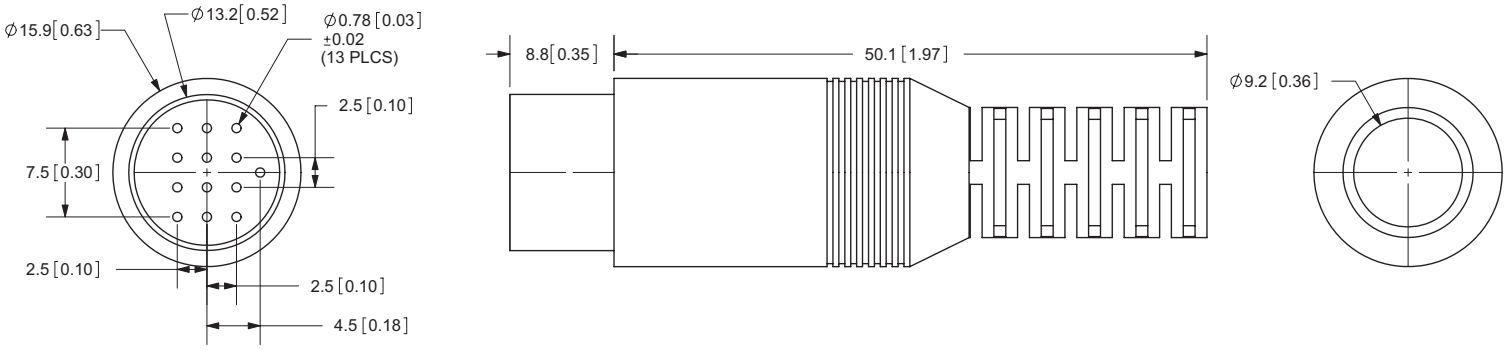
SD-81



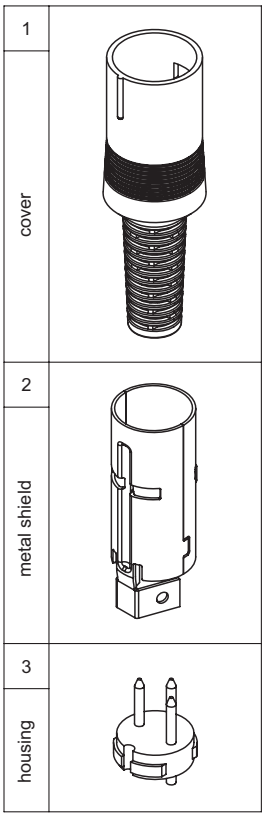


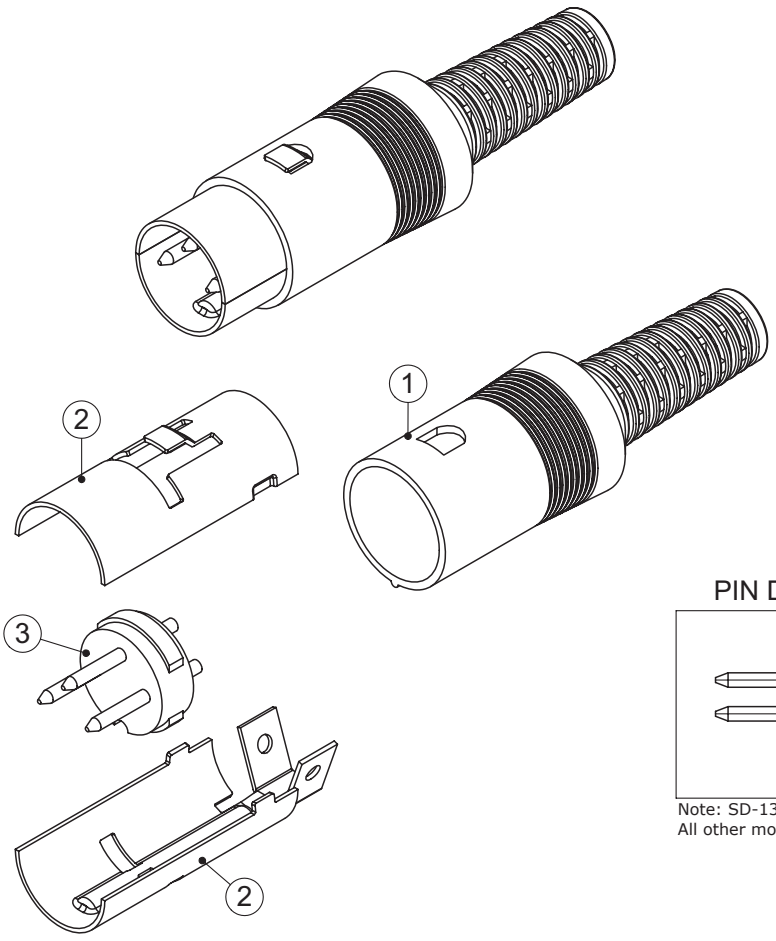
SD-130



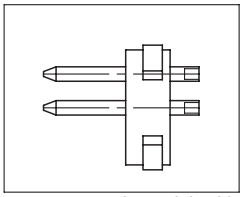


MECHANICAL ASSEMBLY



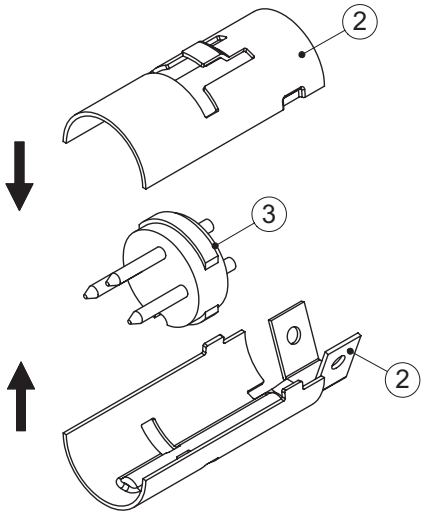


PIN DETAILS

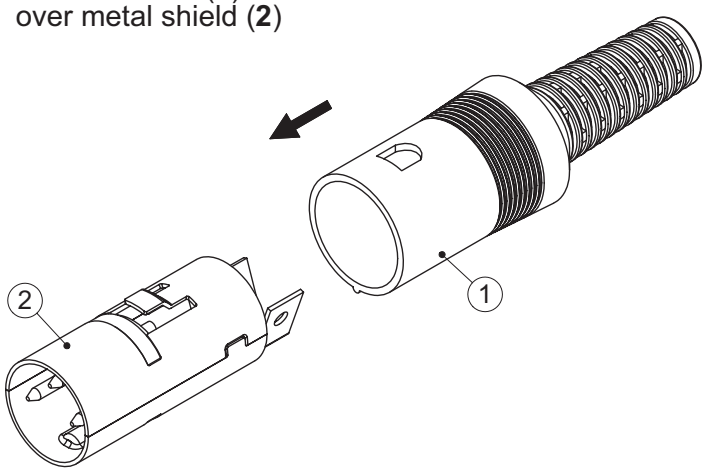


Note: SD-130 has solid solder pins.
All other models have solder cups.

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

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

CUI INC®

Headquarters
20050 SW 112th Ave.
Tualatin, OR 97062
800.275.4899

Fax 503.612.2383
cui.com
techsupport@cui.com

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