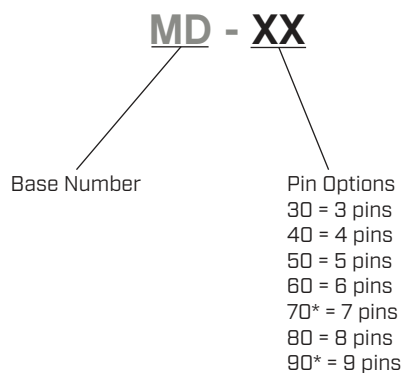


**SERIES:** MD | **DESCRIPTION:** MINI DIN CONNECTOR**FEATURES**

- 3-9 pins
- plastic strain relief
- rated voltage: 100 Vac

**PART NUMBER KEY**

Note: \*. Discontinued MD-70 & MD-90 models.

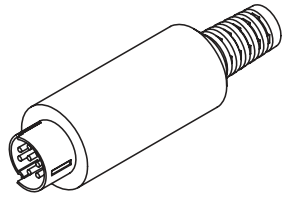
**SPECIFICATIONS**

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 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force				4.5	kg
withdrawal force		0.9		3	kg
operating temperature		-20		105	°C
life			5,000		cycles
RoHS	yes				

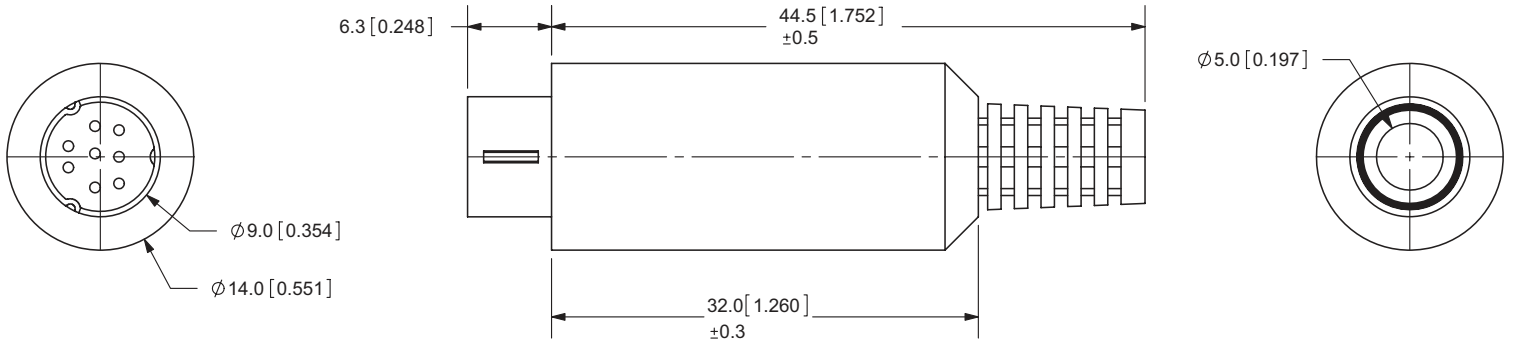
## MECHANICAL DRAWINGS

units: mm[inches]

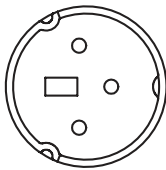
TOLERANCE: ±0.2mm



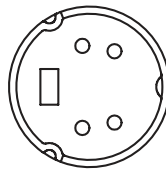
	MATERIAL	PLATING
shield	brass	nickel
pin contacts [1-9]	brass	silver
insulator	Polyamide 6 [PA-1010C2]	
shell	ABS [PA-757]	
cover	UE630 + PELL [LL120]	



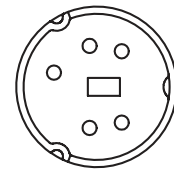
**MD-30**



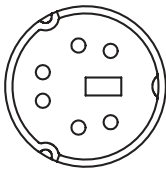
**MD-40**



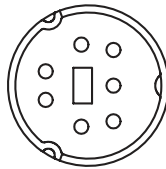
**MD-50**



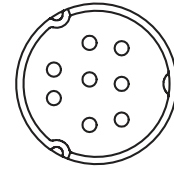
**MD-60**



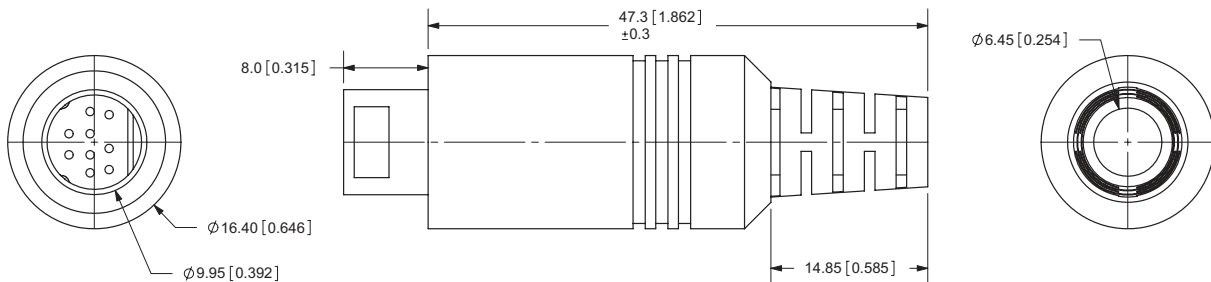
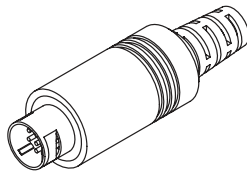
**MD-70**




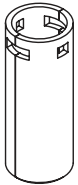
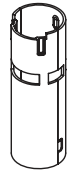

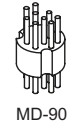
**MD-80**

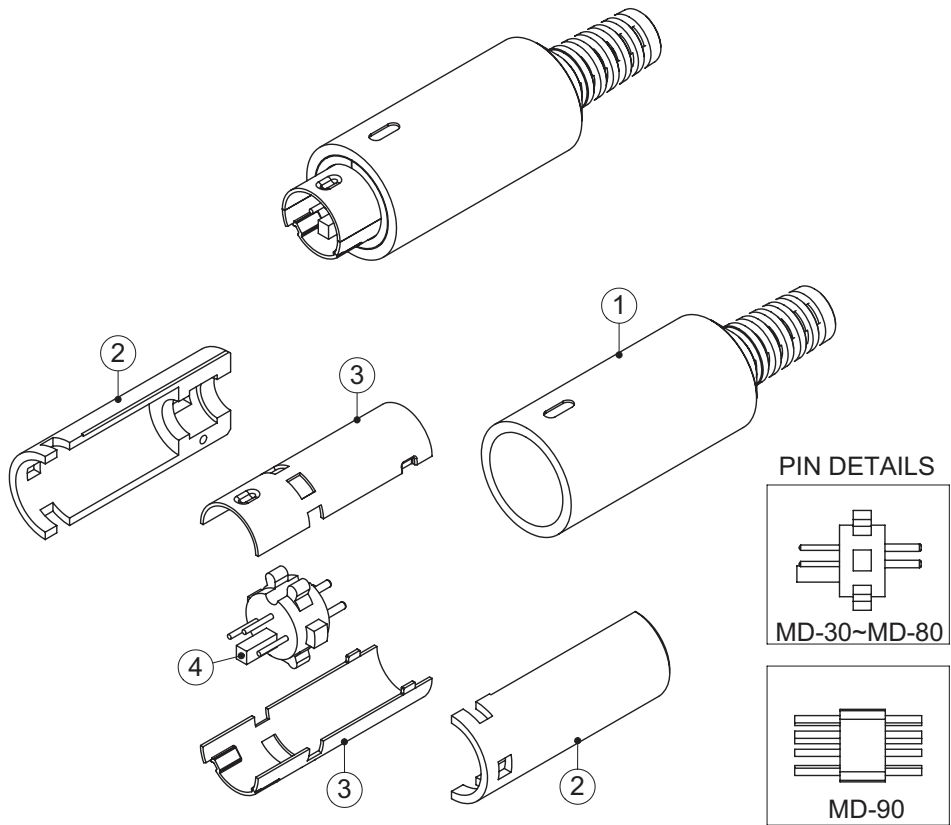


**MD-90**

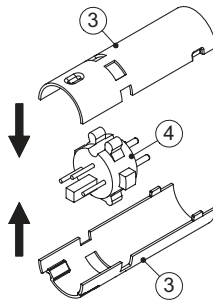


## MECHANICAL ASSEMBLY

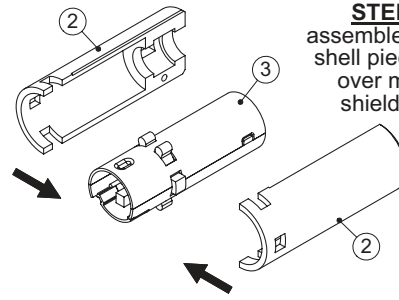
1	
cover	
2	
plastic shell	
3	
metal shield	
4	
housing	MD-30~MD-80
4	
housing	MD-90



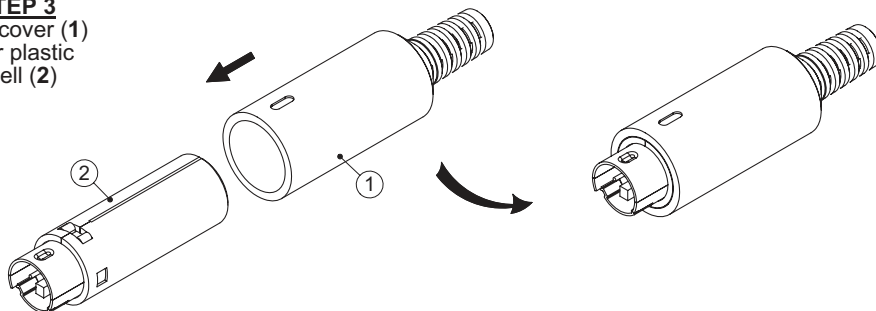
**STEP 1**  
solder wires to housing (4), assemble metal shield pieces (3) onto housing (4)



**STEP 2**  
assemble plastic shell pieces (2) over metal shield (3)



**STEP 3**  
slide cover (1) over plastic shell (2)



Note: 1. The mechanical assembly is a general graphical representation only. Specific models will differ in actual appearance.  
2. The metal shield for MD-90 is a single piece in which the pin housing slides into shield for assembly.

## REVISION HISTORY

rev.	description	date
1.0	initial release	04/06/2006
1.01	updated dimensions	02/27/2008
1.02	added tolerance	12/01/2009
1.03	added insertion and withdrawal force	05/19/2010
1.04	new template applied	04/09/2012
1.05	updated housing	04/24/2012
1.06	added 9 pin model detail	06/08/2017
1.07	brand update	02/21/2020
1.08	logo, datasheet style update	08/05/2022
1.09	discontinued models MD-70 & MD-90	09/26/2022

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



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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