

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

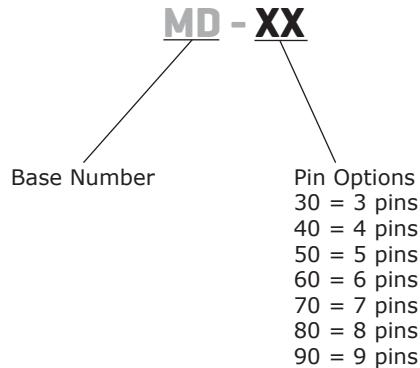

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**FEATURES**

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

**PART NUMBER KEY**

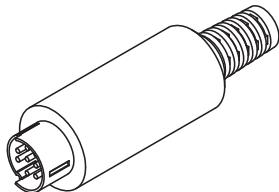

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**SPECIFICATIONS**

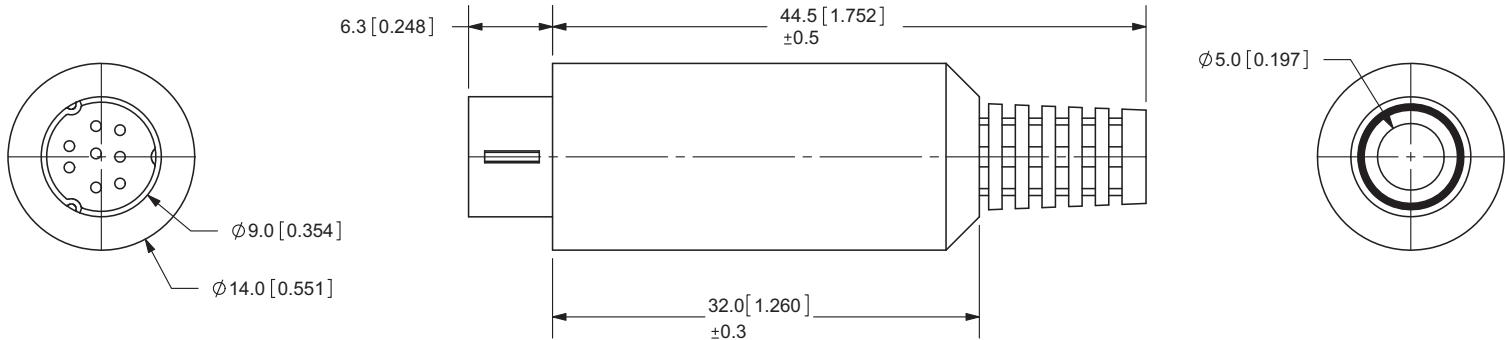
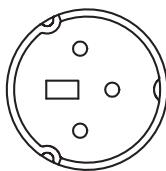
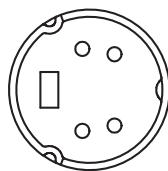
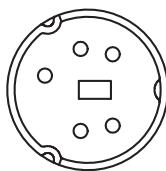
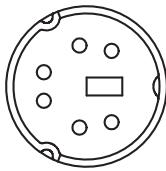
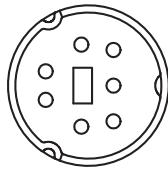
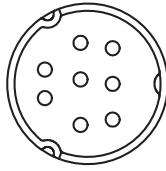
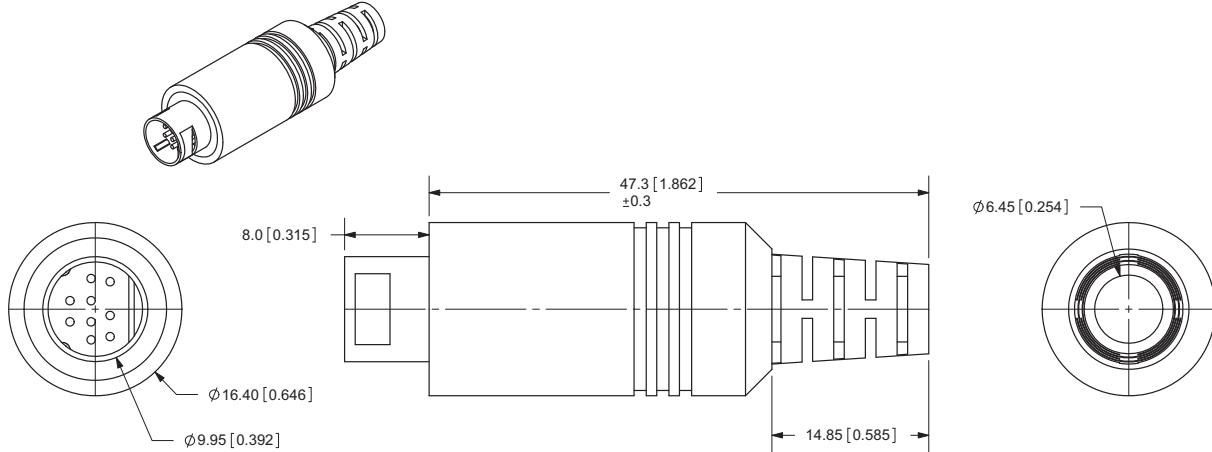
parameter	conditions/description	min	typ	max	units
rated input voltage		100	12		Vac
					Vdc
rated input current	at 100 Vac at 12 Vdc		1	2	A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force			4.5		kg
withdrawal force		0.9	3		kg
operating temperature		-20	105		°C
life		5,000			cycles

## MECHANICAL DRAWINGS

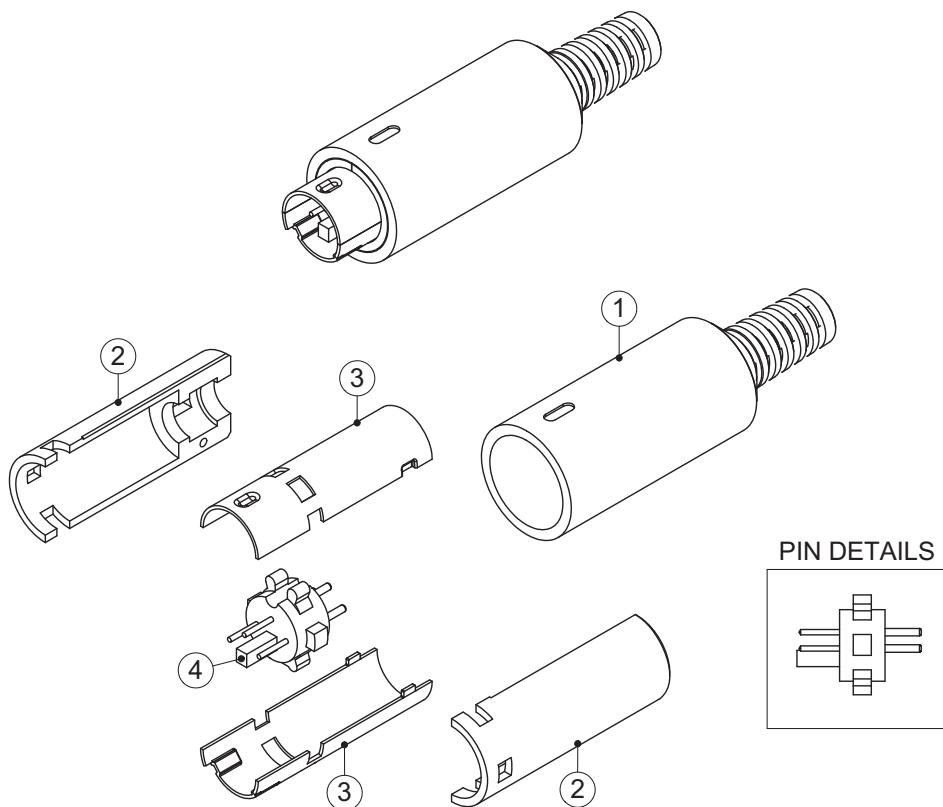
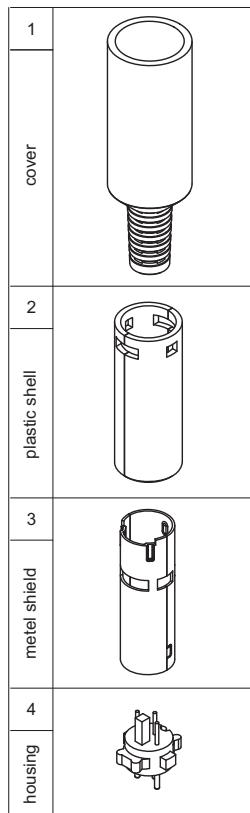
units: mm[inches]

TOLERANCE:  $\pm 0.2\text{mm}$ 

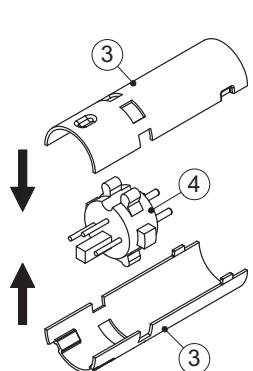
	MATERIAL	PLATING
shield	brass	nickel
pin contacts (1~9)	brass	silver
insulator	Polyamide 6 (PA-1010C2)	
shell	ABS (PA-757)	
cover	UE630 + PELL (LL120)	

**MD-30****MD-40****MD-50****MD-60****MD-70****MD-80****MD-90**

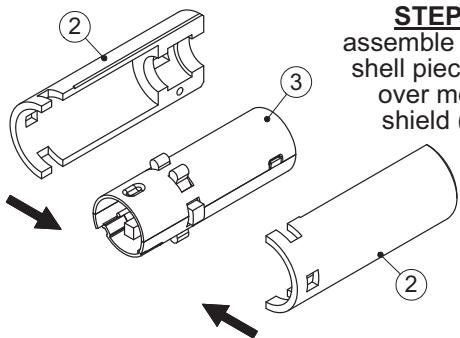
## MECHANICAL ASSEMBLY



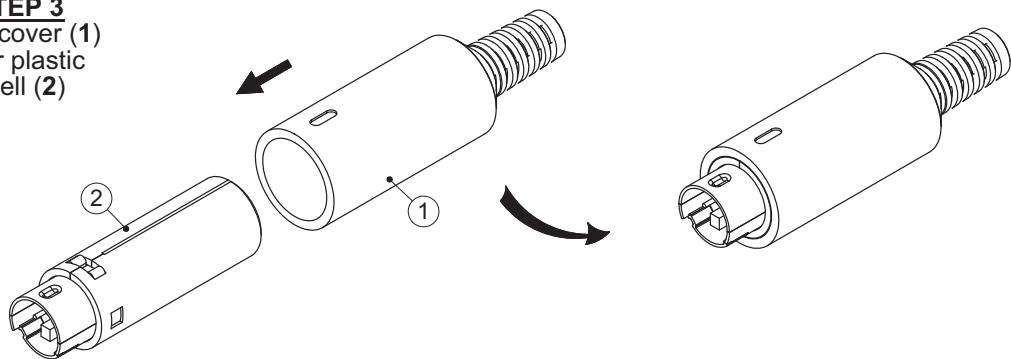
**STEP 1**  
solder wires to housing (4),  
assemble metal shield pieces (3)  
onto housing (4)



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



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



## 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

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



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

Fax 503.612.2383  
[cui.com](http://cui.com)  
[techsupport@cui.com](mailto:techsupport@cui.com)

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