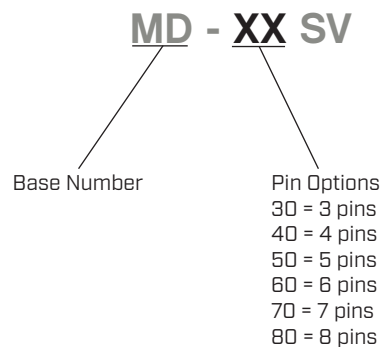


**SERIES:** MD-SV | **DESCRIPTION:** MINI DIN CONNECTOR**FEATURES**

- PCB mount
- vertical mount
- 3-8 pins

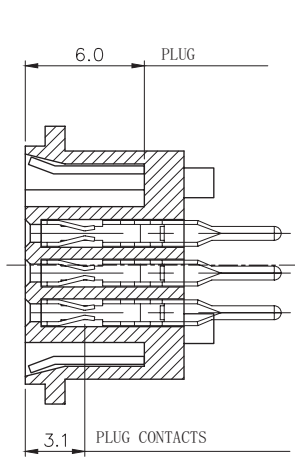
**PART NUMBER KEY****SPECIFICATIONS**

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 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force		0.8		6.0	kg
withdrawal force		0.8		4.5	kg
operating temperature		-20		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

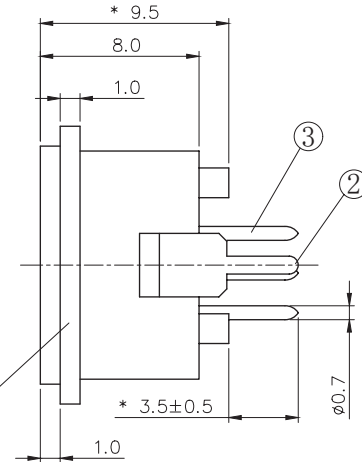
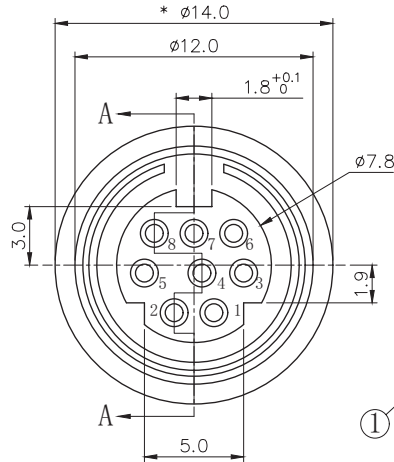
## MECHANICAL DRAWINGS (MD-30SV, MD-40SV, MD-50SV)

units: mm  
 tolerance:  $\pm 0.3$  mm  
 PCB:  $\pm 0.1$  mm  
 unless otherwise noted

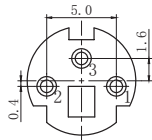
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT (UL94V-0)	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver



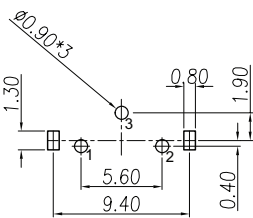
A-A



### MD-30SV

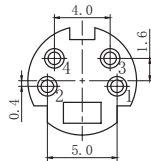


Recommended PCB Layout  
 Bottom View  
 [Date Codes prior to 03/03/2022]

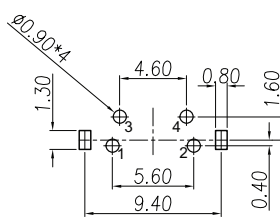


Recommended PCB Layout  
 Bottom View  
 [Date Codes after 03/03/2022]

### MD-40SV

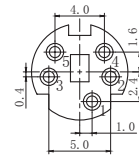


Recommended PCB Layout  
 Bottom View  
 [Date Codes prior to 03/03/2022]

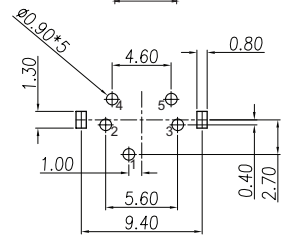


Recommended PCB Layout  
 Bottom View  
 [Date Codes after 03/03/2022]

### MD-50SV



Recommended PCB Layout  
 Bottom View  
 [Date Codes prior to 03/03/2022]

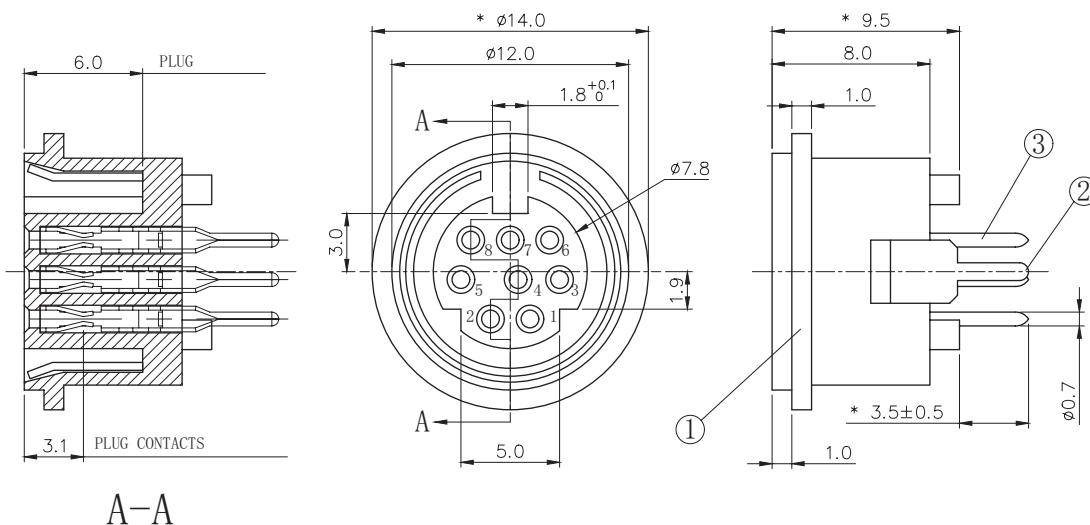


Recommended PCB Layout  
 Bottom View  
 [Date Codes after 03/03/2022]

## MECHANICAL DRAWINGS (MD-60SV, MD-70SV, MD-80SV)

units: mm  
 tolerance: ±0.3 mm  
 PCB: ±0.1 mm  
 unless otherwise noted

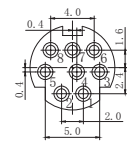
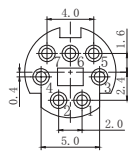
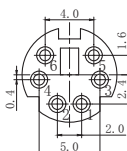
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT (UL94V-0)	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver



**MD-60SV**

**MD-70SV**

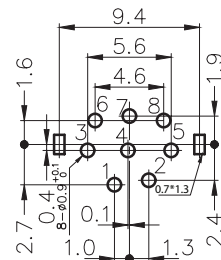
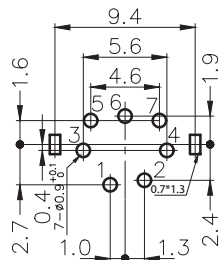
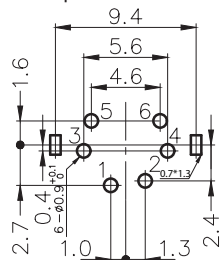
**MD-80SV**



Recommended PCB Layout  
 Bottom View  
 [Date Codes prior to 03/03/2022]

Recommended PCB Layout  
 Bottom View  
 [Date Codes prior to 03/03/2022]

Recommended PCB Layout  
 Bottom View  
 [Date Codes prior to 03/03/2022]



Recommended PCB Layout  
 Bottom View  
 [Date Codes after 03/03/2022]

Recommended PCB Layout  
 Bottom View  
 [Date Codes after 03/03/2022]

Recommended PCB Layout  
 Bottom View  
 [Date Codes after 03/03/2022]

## REVISION HISTORY

rev.	description	date
1.0	initial release	02/23/2006
1.01	new template applied	03/07/2012
1.02	updated datasheet	08/25/2017
1.03	updated housing, added 7 pin version, brand update	10/08/2019
1.04	modified design, changed factory	02/18/2022
1.05	logo, datasheet style update	08/05/2022

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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