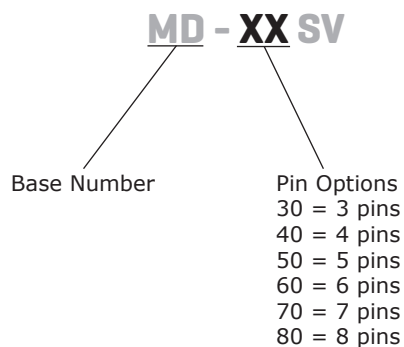


**SERIES:** MD-SV | **DESCRIPTION:** MINI DIN CONNECTOR**FEATURES**

- PCB mount
- vertical mount
- 3~8 pins

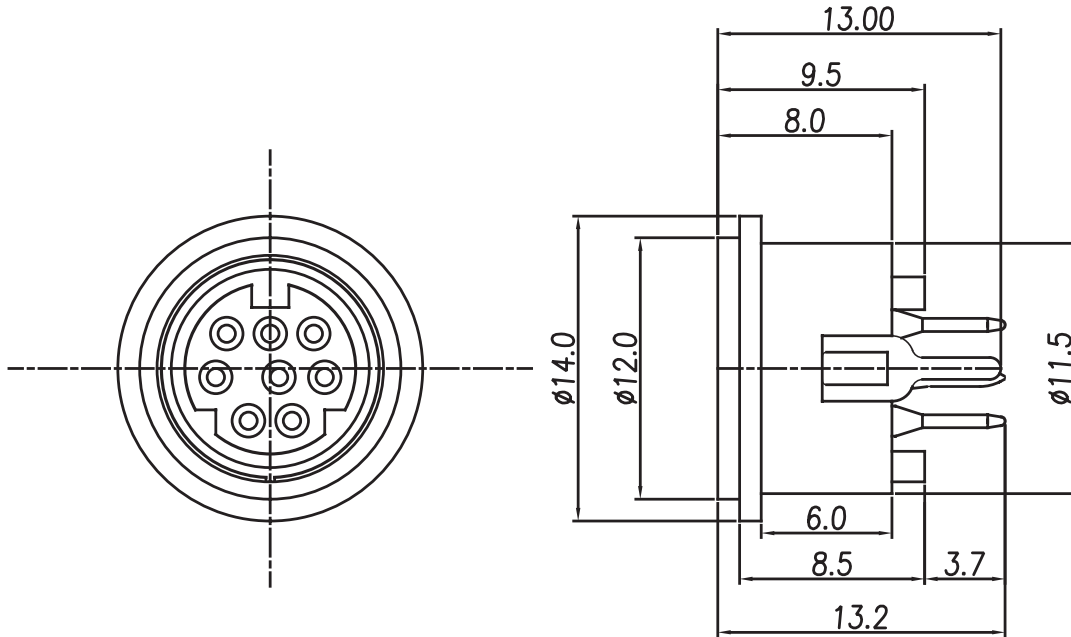
**PART NUMBER KEY****SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				2	A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force				45	N
withdrawal force		9		30	N
operating temperature		-20		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

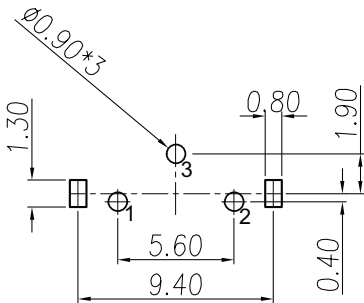
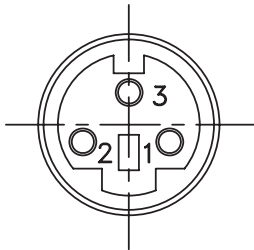
## MECHANICAL DRAWINGS (MD-30SV, MD-40SV, MD-50SV)

units: mm  
 tolerance:  
 X.X ±0.2 mm  
 X.XX ±0.10 mm  
 X.XXX ±0.050 mm  
 X.XXX ±0.030 mm

	MATERIAL	PLATING/COLOR
housing	PBT (UL94V-0)	black
contacts	phosphor bronze	tin
shell	brass	nickel

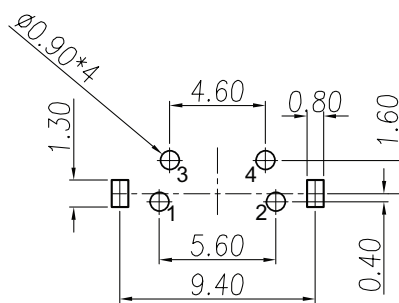
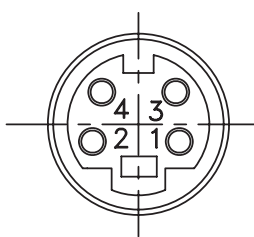


**MD-30SV**



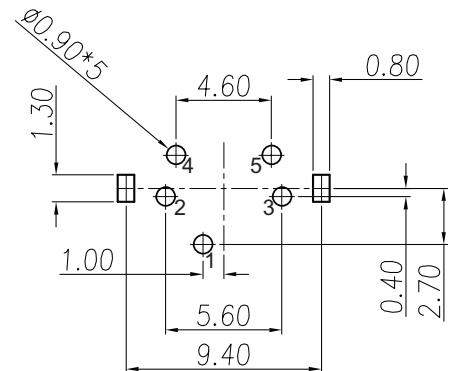
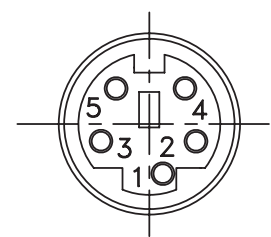
Recommended PCB Layout  
Bottom View

**MD-40SV**



Recommended PCB Layout  
Bottom View

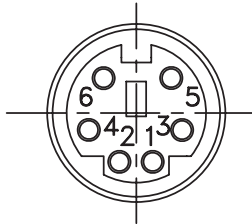
**MD-50SV**



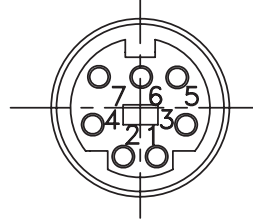
Recommended PCB Layout  
Bottom View

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

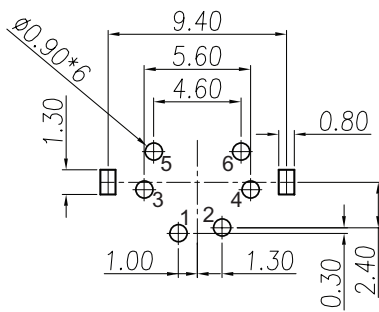
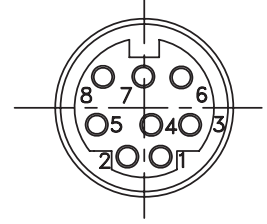
**MD-60SV**



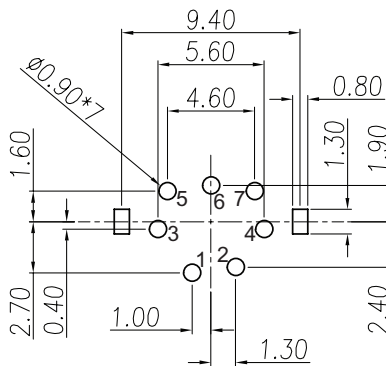
**MD-70SV**



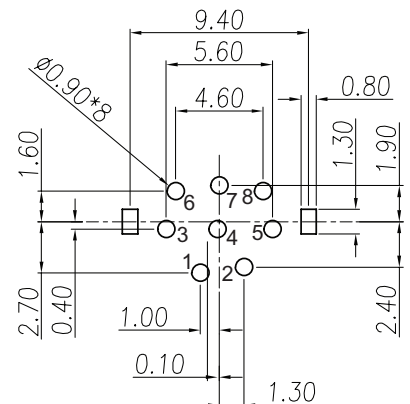
**MD-80SV**



Recommended PCB Layout  
Bottom View



Recommended PCB Layout  
Bottom View



Recommended PCB Layout  
Bottom View

## REVISION HISTORY

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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

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

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# CUI DEVICES

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