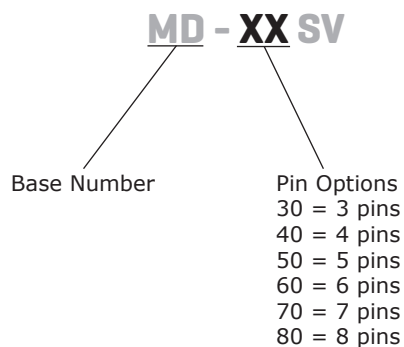


SERIES: MD-SV | **DESCRIPTION:** MINI DIN CONNECTOR**FEATURES**

- PCB mount
- vertical mount
- 3~8 pins

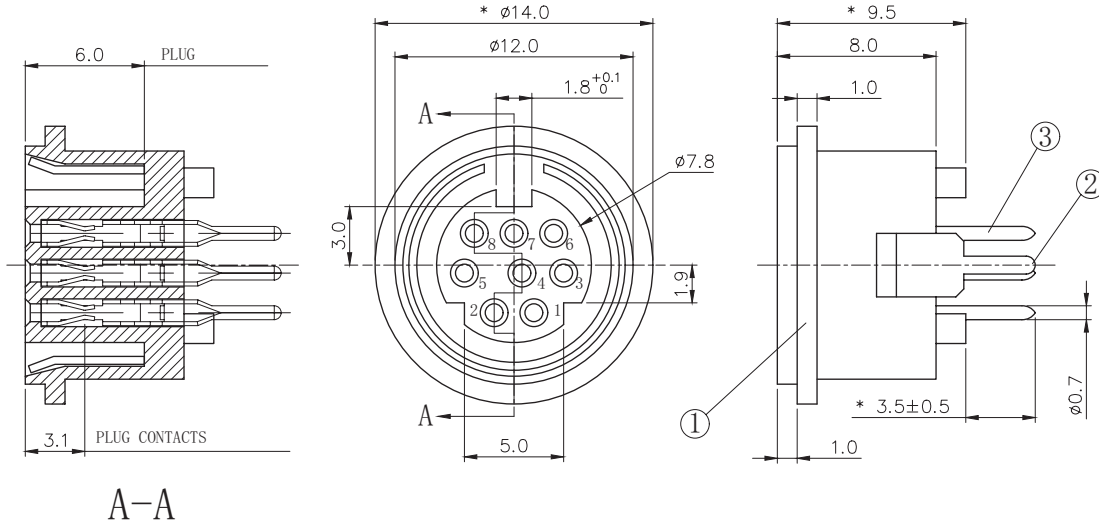
**PART NUMBER KEY****SPECIFICATIONS**

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

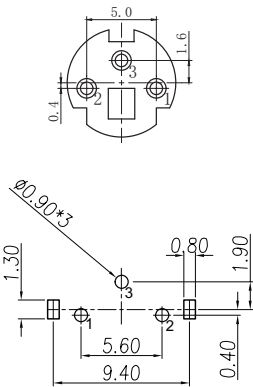
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT (UL94V-0)	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver



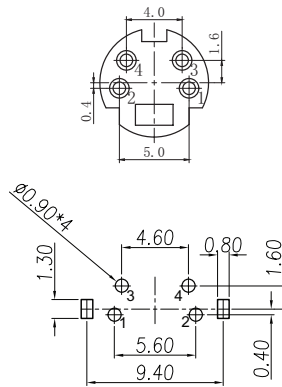
MD-30SV

MD-40SV

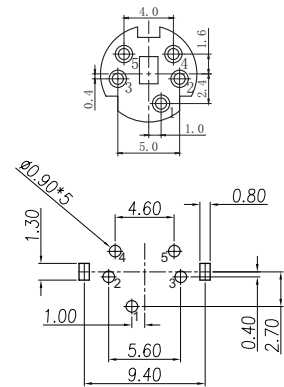
MD-50SV



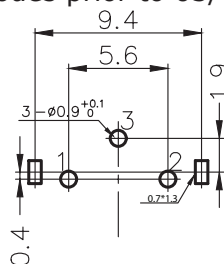
Recommended PCB Layout
 Bottom View
 (Date Codes prior to 03/03/2022)



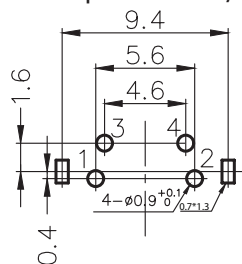
Recommended PCB Layout
 Bottom View
 (Date Codes prior to 03/03/2022)



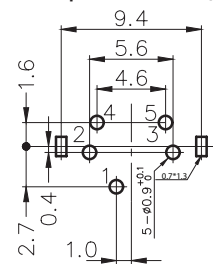
Recommended PCB Layout
 Bottom View
 (Date Codes prior to 03/03/2022)



Recommended PCB Layout
 Bottom View
 (Date Codes after 03/03/2022)



Recommended PCB Layout
 Bottom View
 (Date Codes after 03/03/2022)

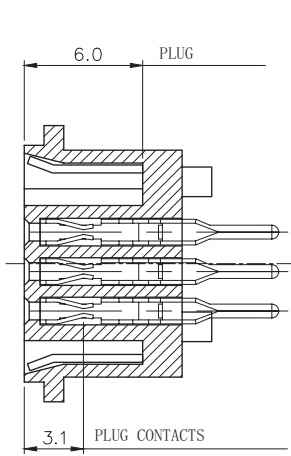


Recommended PCB Layout
 Bottom View
 (Date Codes after 03/03/2022)

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

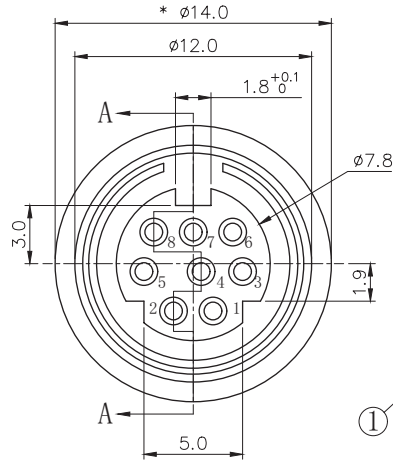
units: mm
 tolerance: ±0.3 mm
 PCB: ±0.1 mm
 unless otherwise noted

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

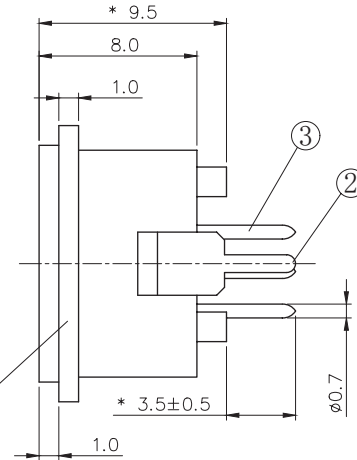


A-A

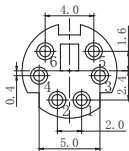
MD-60SV



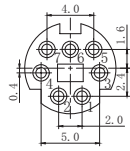
MD-70SV



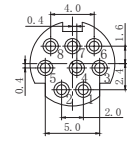
MD-80SV



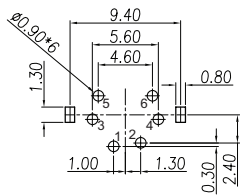
Recommended PCB Layout
 Bottom View
 (Date Codes prior to 03/03/2022)



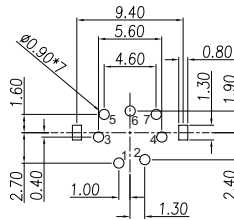
Recommended PCB Layout
 Bottom View
 (Date Codes prior to 03/03/2022)



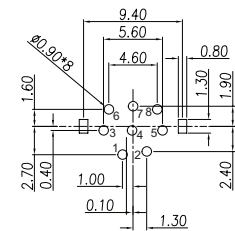
Recommended PCB Layout
 Bottom View
 (Date Codes prior to 03/03/2022)



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

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

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