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SERIES: MD-SV | DESCRIPTION: MINI DIN CONNECTOR

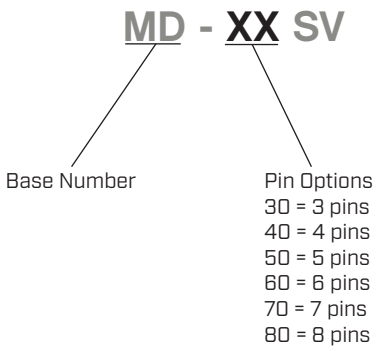
FEATURES

- PCB mount
- vertical mount
- 3~8 pins



RoHS

PART NUMBER KEY



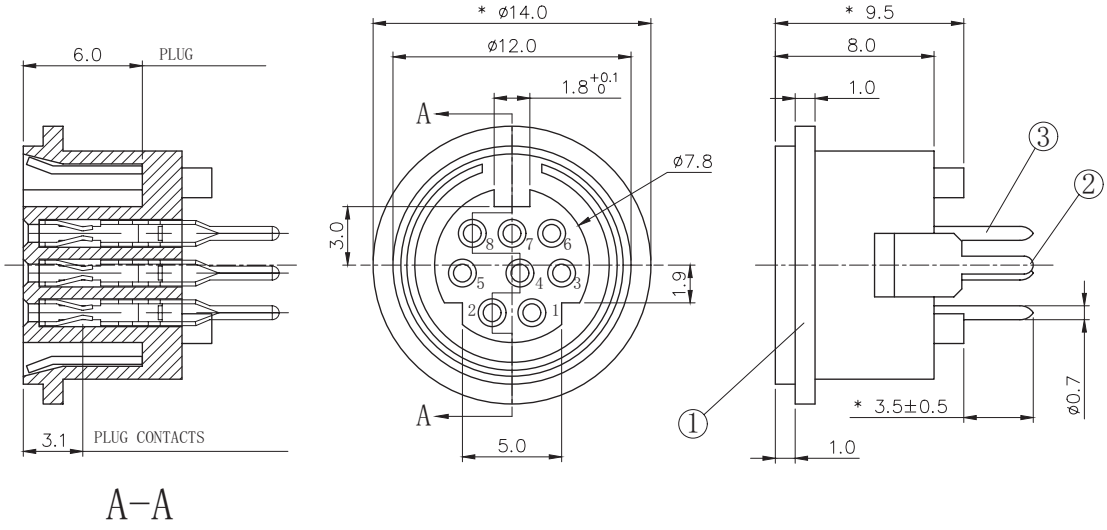
SPECIFICATIONS

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				

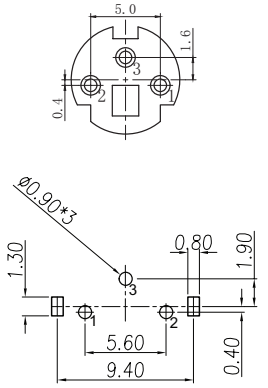
MECHANICAL DRAWINGS (MD-30SV, MD-40SV, MD-50SV)

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

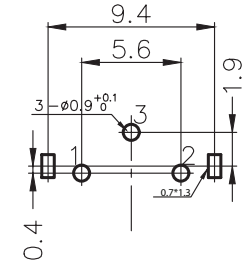
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT (UL94V-0)	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver



MD-30SV

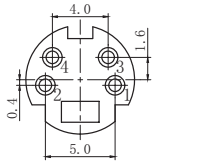


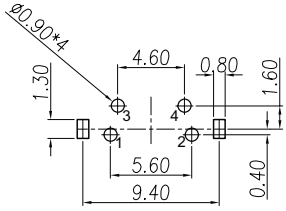
Recommended PCB Layout
Bottom View
(Date Codes prior to 03/03/2022)



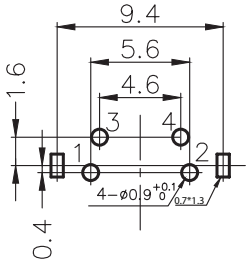
Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

MD-40SV



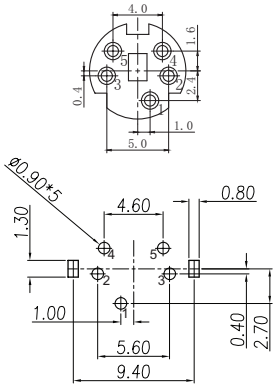


Recommended PCB Layout
Bottom View
(Date Codes prior to 03/03/2022)

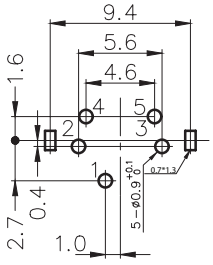


Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

MD-50SV



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

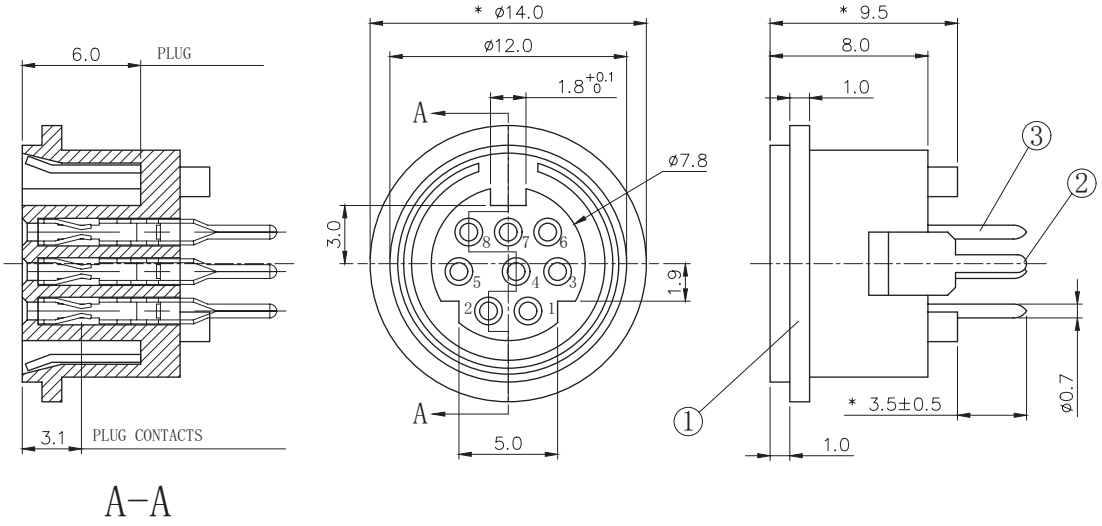


Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

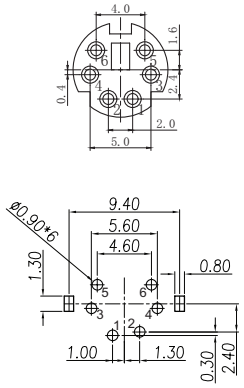
MECHANICAL DRAWINGS (MD-60SV, MD-70SV, MD-80SV)

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

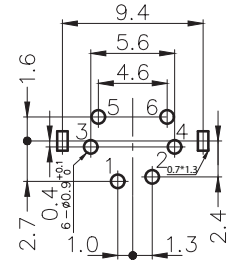
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT (UL94V-0)	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver



MD-60SV

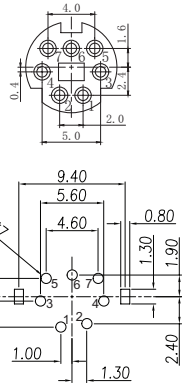


Recommended PCB Layout
Bottom View
(Date Codes prior to 03/03/2022)

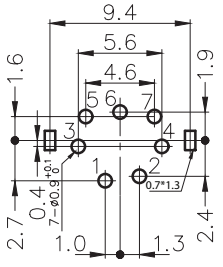


Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

MD-70SV

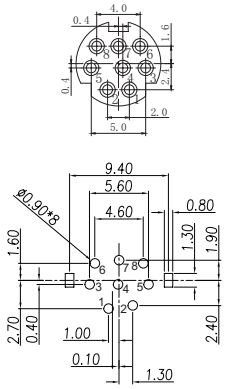


Recommended PCB Layout
Bottom View
(Date Codes prior to 03/03/2022)

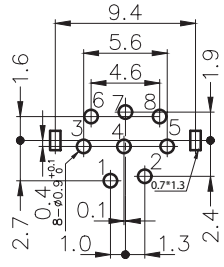


Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

MD-80SV



Recommended PCB Layout
Bottom View
(Date Codes prior to 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
1.06	CUI Devices rebranded to Same Sky	09/12/2024

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

same sky

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