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same sky

SERIES: MD-SV | DESCRIPTION: MINI DIN CONNECTOR

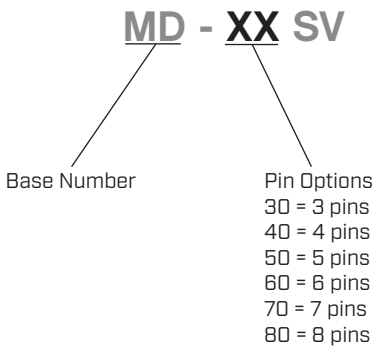
FEATURES

- PCB mount
- vertical mount
- 3~8 pins



RoHS

PART NUMBER KEY



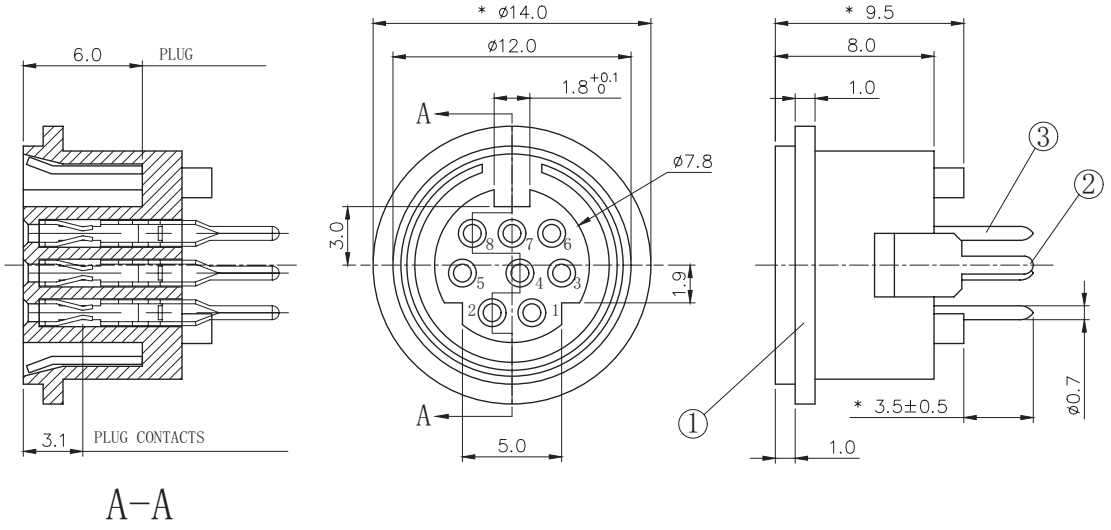
SPECIFICATIONS

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				

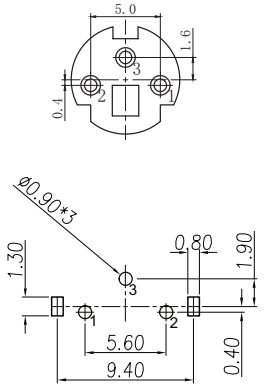
MECHANICAL DRAWINGS (MD-30SV, MD-40SV, MD-50SV)

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

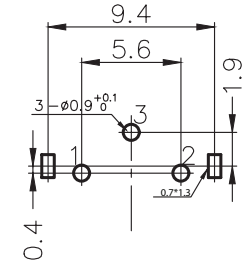
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT (UL94V-0)	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver



MD-30SV

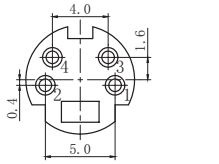


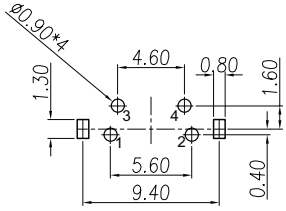
Recommended PCB Layout
Bottom View
(Date Codes prior to 03/03/2022)



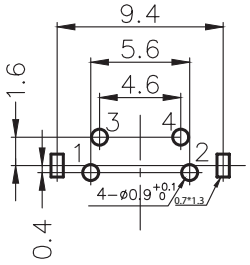
Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

MD-40SV



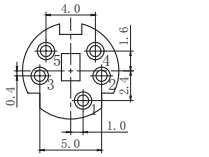


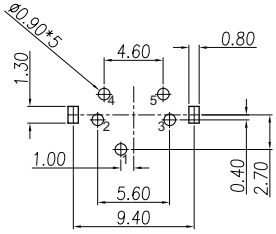
Recommended PCB Layout
Bottom View
(Date Codes prior to 03/03/2022)



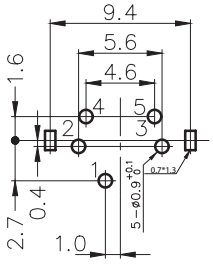
Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

MD-50SV





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

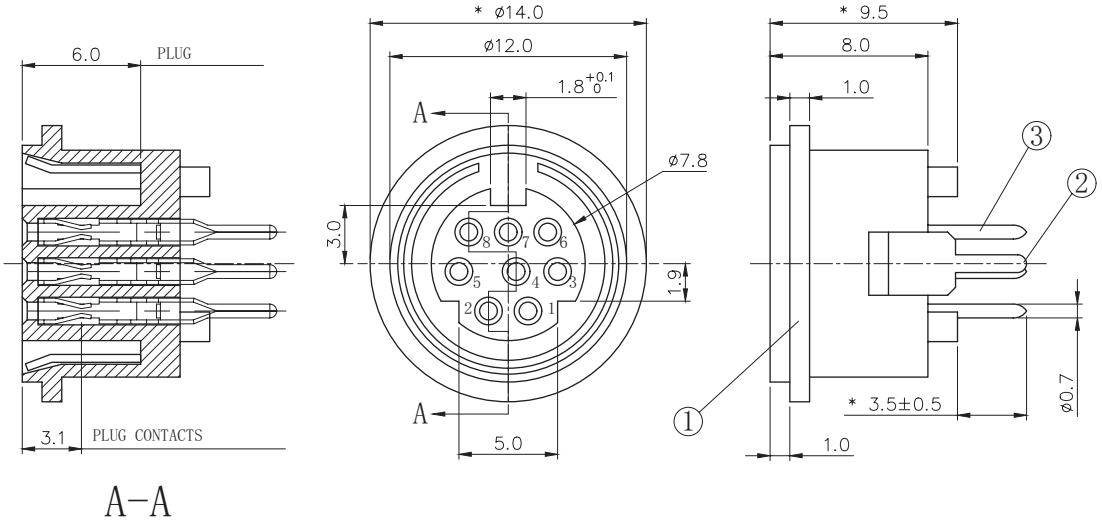


Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

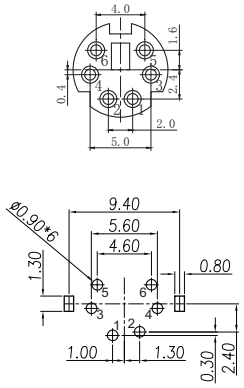
MECHANICAL DRAWINGS (MD-60SV, MD-70SV, MD-80SV)

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

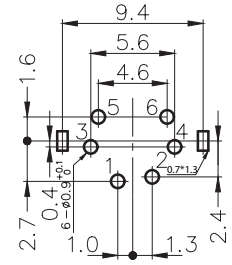
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT (UL94V-0)	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver



MD-60SV

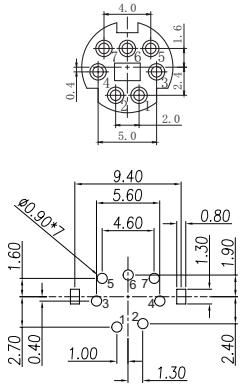


Recommended PCB Layout
Bottom View
(Date Codes prior to 03/03/2022)

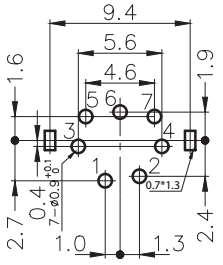


Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

MD-70SV

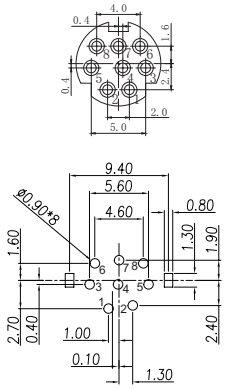


Recommended PCB Layout
Bottom View
(Date Codes prior to 03/03/2022)

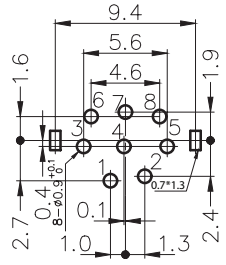


Recommended PCB Layout
Bottom View
(Date Codes after 03/03/2022)

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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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