

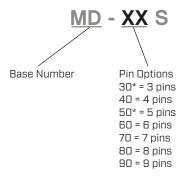
SERIES: MD-S | DESCRIPTION: MINI DIN CONNECTOR

FEATURES

- PCB mount
- right angle
- non-shielded



PART NUMBER KEY



Notes: *Discontinued models MD-30S & MD-50S

SPECIFICATIONS

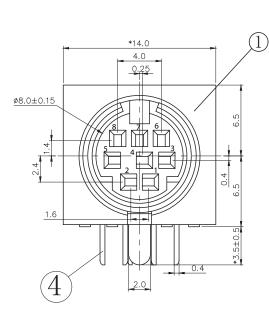
parameter	conditions/description	min	typ	max	units
rated input voltage			100 12		Vac Vdc
rated input current	at 100 Vac at 12 Vdc			1 2	A A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	50			MΩ
voltage withstand				250	Vac
insertion force		0.8		6.0	kg
withdrawal force		0.8		4.5	kg
operating temperature		-40		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	yes .				

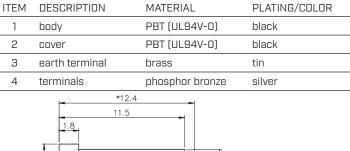
SOLDERABILITY

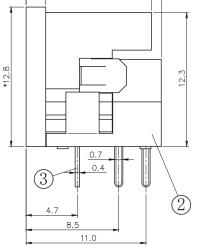
parameter	conditions/description	min	typ	max	units
wave soldering	for 10 seconds max	235		260	°C
hand soldering	for 5±1 seconds	240	245	250	°C
		2.0	2.0		

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

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



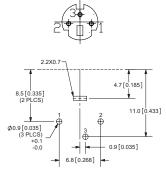




<u>MD-40S</u>

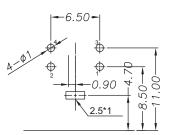


MD-30S

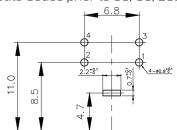


Recommended PCB Layout Top View

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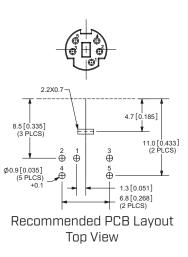


Recommended PCB Layout Top View (Date Codes prior to 03/03/2022)



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

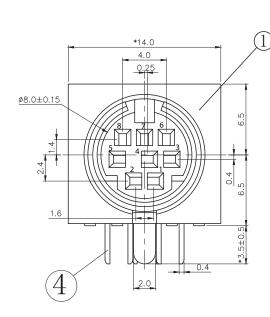


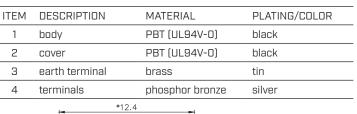


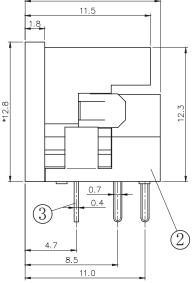
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MECHANICAL DRAWINGS (MD-60S, MD-70S, MD-80S)

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

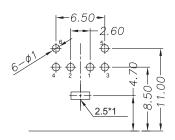




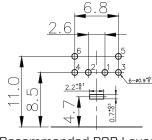


<u>MD-60S</u>





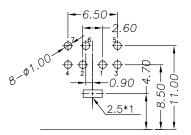
Recommended PCB Layout Top View (Date Codes prior to 03/03/2022)



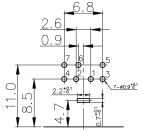
Recommended PCB Layout Top View (Date Codes after 03/03/2022) <u>MD-70S</u>

<u>MD-80S</u>



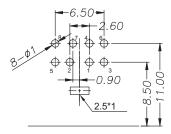


Recommended PCB Layout Top View (Date Codes prior to 03/03/2022)

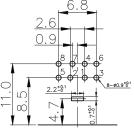


Recommended PCB Layout Top View (Date Codes after 03/03/2022)





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

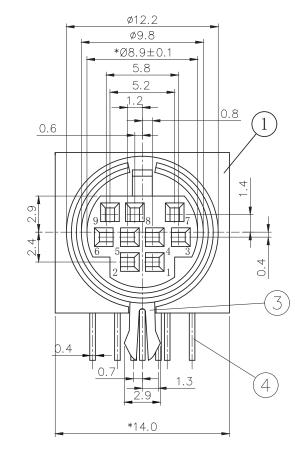


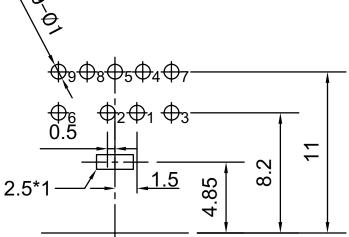
Recommended PCB Layout Top View (Date Codes after 03/03/2022)

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MECHANICAL DRAWING (MD-90S)

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

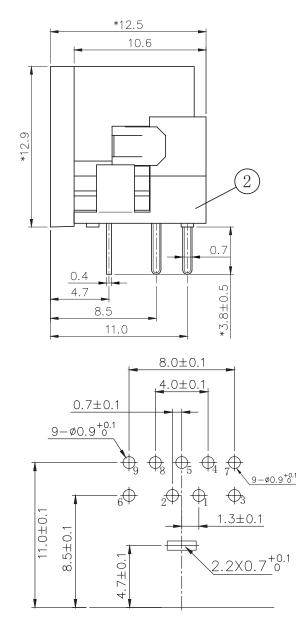




Recommended PCB Layout Top View (Date Codes prior to 03/03/2022)

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



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

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REVISION HISTORY

rev.	description	date	
1.0	initial release	02/23/2006	
1.01	new template applied	02/16/2012	
1.02	housing updates	03/29/2012	
1.03	updated datasheet	08/25/2017	
1.04	discontinued models MD-30S and MD-50S, brand update	10/08/2019	
1.05	updated housing	12/12/2019	
1.06	updated PCB footprints	09/01/2020	
1.07	modified design, changed factory	02/18/2022	
1.08	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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