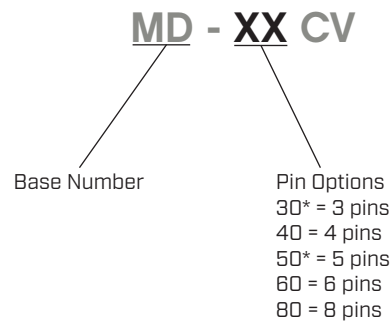


SERIES: MD-CV | **DESCRIPTION:** MINI DIN CONNECTOR**FEATURES**

- panel mount
- locking nut
- plastic bushing

**PART NUMBER KEY**

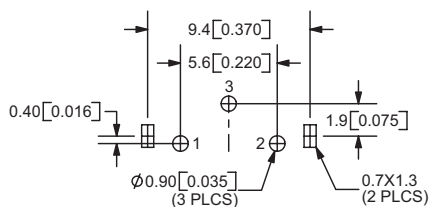
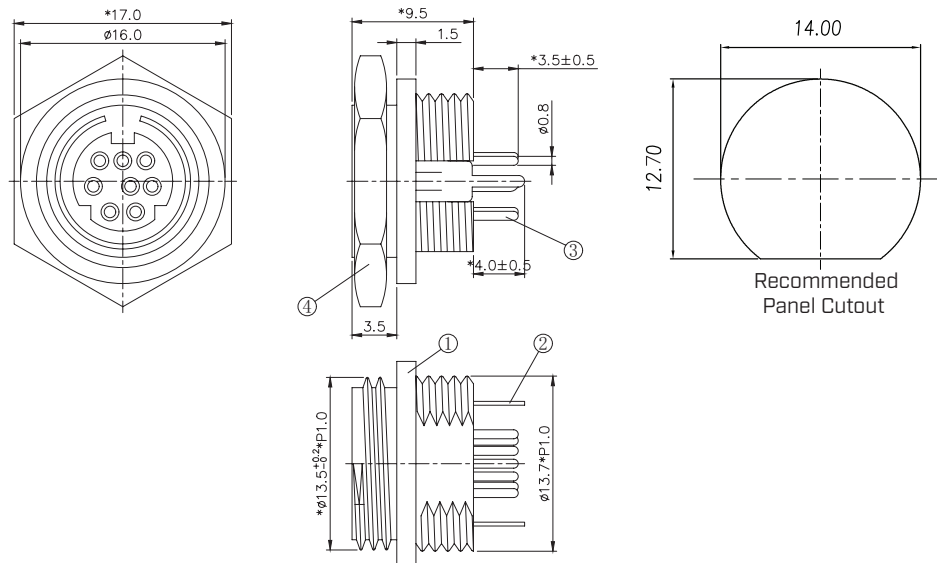
Notes: *Discontinued models MD-30CV & MD-50CV

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				

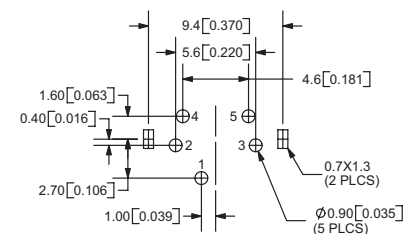
units: mm
tolerance: ± 0.3 mm
PCB: ± 0.1 mm
unless otherwise noted

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



Technical drawing of a mechanical part with dimensions and labels. The drawing shows a cross-section of a component with a central hole and two side holes. The dimensions are as follows:

- Overall width: 9.4
- Distance from left edge to center of left hole: 4.6
- Distance from center of left hole to center of right hole: 5.6
- Distance from center of right hole to right edge: 4.6
- Overall height: 1.6
- Distance from bottom edge to center of holes: 0.4
- Left hole diameter: $4-\varnothing 0.9^{+0.1}_0$
- Right hole diameter: 0.7×1.3
- Labels 1, 2, 3, and 4 are placed near the holes and edges.

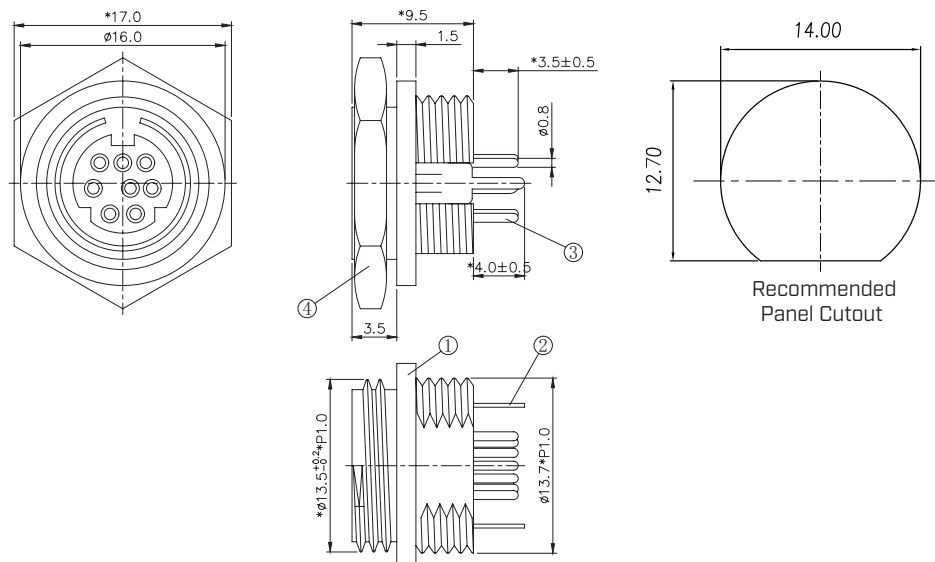


Recommended PCB Layout Top View

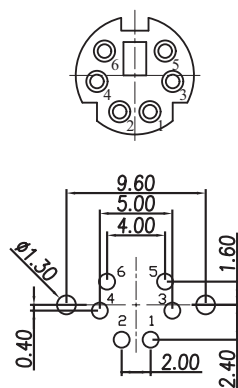
MECHANICAL DRAWINGS (MD-60CV, MD-80CV)

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

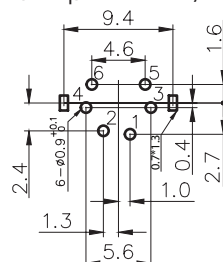
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT [UL94V-0]	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver
4	nut	brass	



MD-60CV

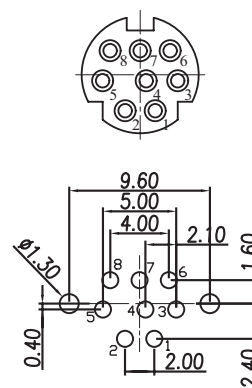


Recommended PCB Layout
Top View
[Date Codes prior to 03/03/2022]

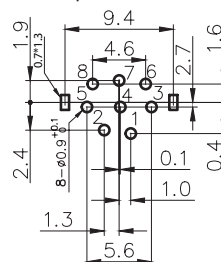


Recommended PCB Layout
Top View
[Date Codes after 03/03/2022]

MD-80CV



Recommended PCB Layout
Top View
[Date Codes prior to 03/03/2022]



Recommended PCB Layout
Top View
[Date Codes after 03/03/2022]

REVISION HISTORY

rev.	description	date
1.0	initial release	02/23/2006
1.01	new template applied	02/20/2012
1.02	updated datasheet	09/01/2017
1.03	discontinued models MD-30CV and MD-50CV, brand update	10/08/2019
1.04	updated housing	11/19/2019
1.05	updated PCB footprints	09/01/2020
1.06	modified design, changed factory	02/21/2022
1.07	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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