CUI DEVICES

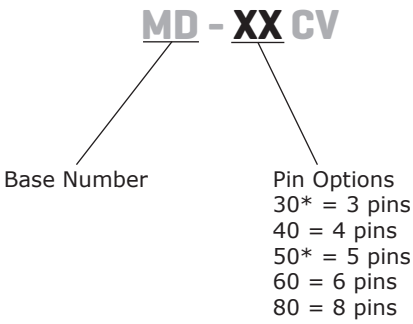
SERIES: MD-CV | DESCRIPTION: MINI DIN CONNECTOR

FEATURES
- panel mount
- locking nut
- plastic bushing



RoHS

PART NUMBER KEY



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

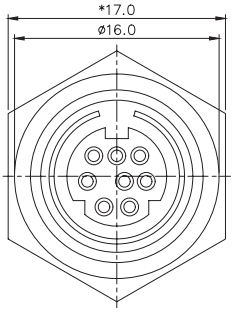
SPECIFICATIONS

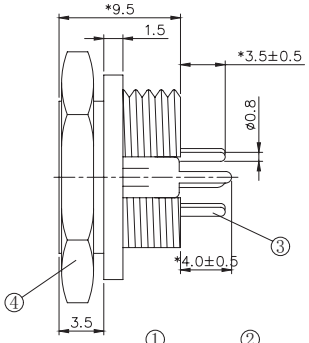
parameter	conditions/description	min	typ	max	units
rated input voltage			100 12		Vac Vdc
rated input current	at 100 Vac at 12 Vdc			1 2	A A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force		0.8		6.0	kg
withdrawal force		0.8		4.5	kg
operating temperature		-20		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

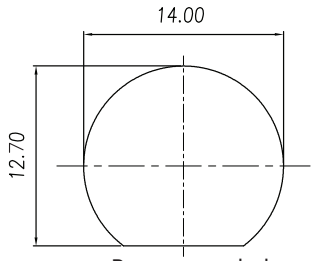
MECHANICAL DRAWINGS (MD-30CV, MD-40CV, MD-50CV)

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

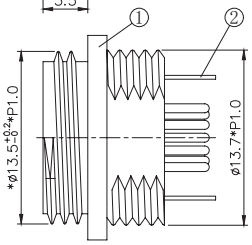
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	body	PBT (UL94V-0)	black
2	earth terminal	brass	tin
3	terminals	phosphor bronze	silver
4	nut	brass	



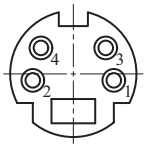


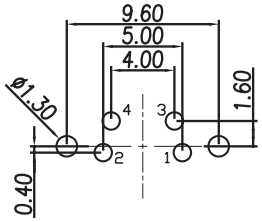


Recommended
Panel Cutout

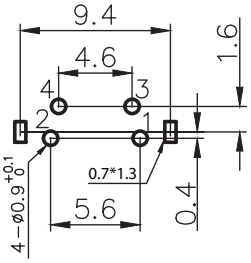


MD-40CV



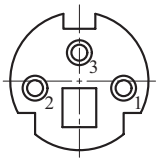


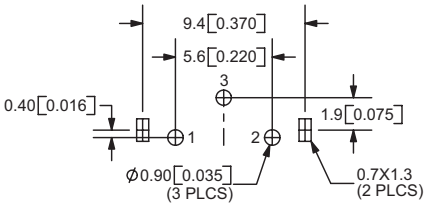
Recommended PCB Layout
Top View
(Date Codes prior to 03/03/2022)



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

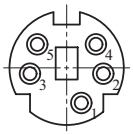
MD-30CV

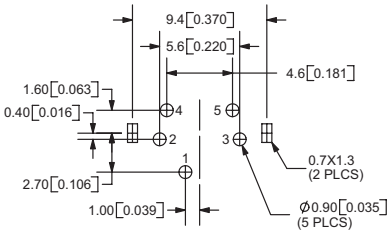




Recommended PCB Layout
Top View

MD-50CV



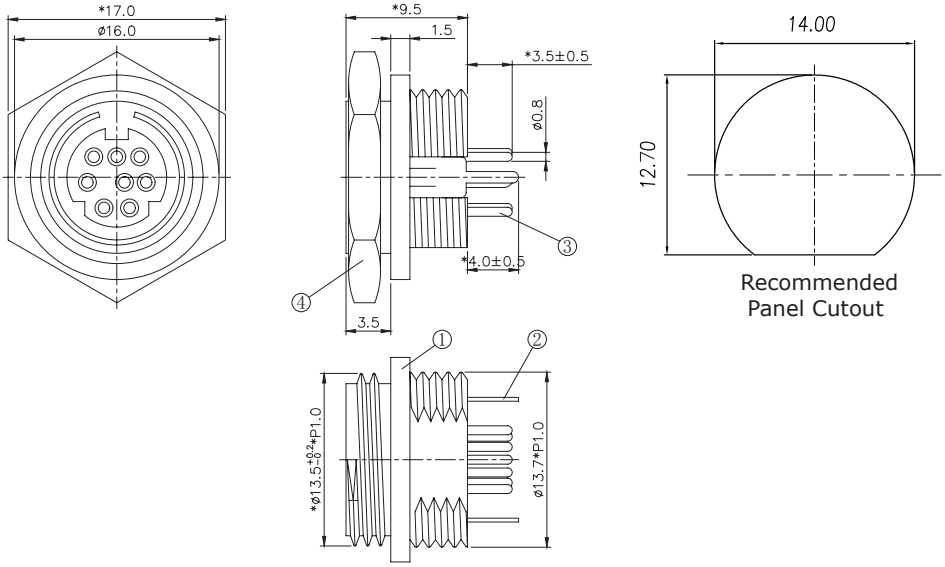


Recommended PCB Layout
Top View

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

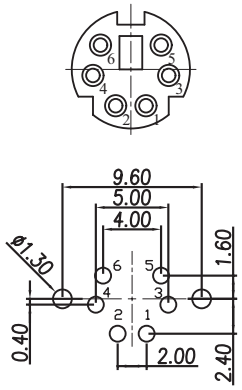
units: mm
tolerance: ±0.3 mm
PCB: ±0.1 mm
unless otherwise noted

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

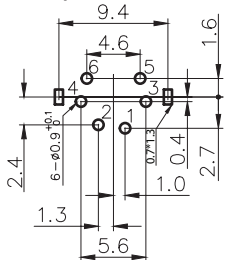


Recommended
Panel Cutout

MD-60CV

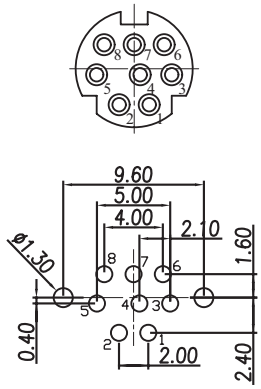


Recommended PCB Layout
Top View
(Date Codes prior to 03/03/2022)

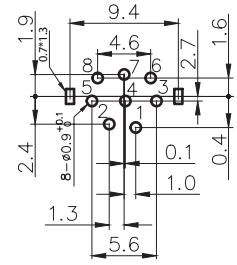


Recommended PCB Layout
Top View
(Date Codes after 03/03/2022)

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

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

CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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