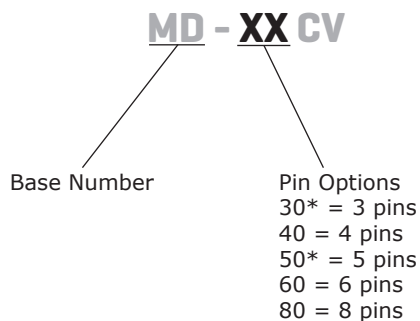


**SERIES:** MD-CV | **DESCRIPTION:** MINI DIN CONNECTOR**FEATURES**

- panel mount
- locking nut
- plastic bushing

**PART NUMBER KEY**

Notes: \*Discontinued models MD-30CV &amp; MD-50CV

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current	at 12 Vdc			2	A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force				45	N
withdrawal force		9		30	N
operating temperature		-20		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

## MECHANICAL DRAWINGS

units: mm[inches]

tolerance:

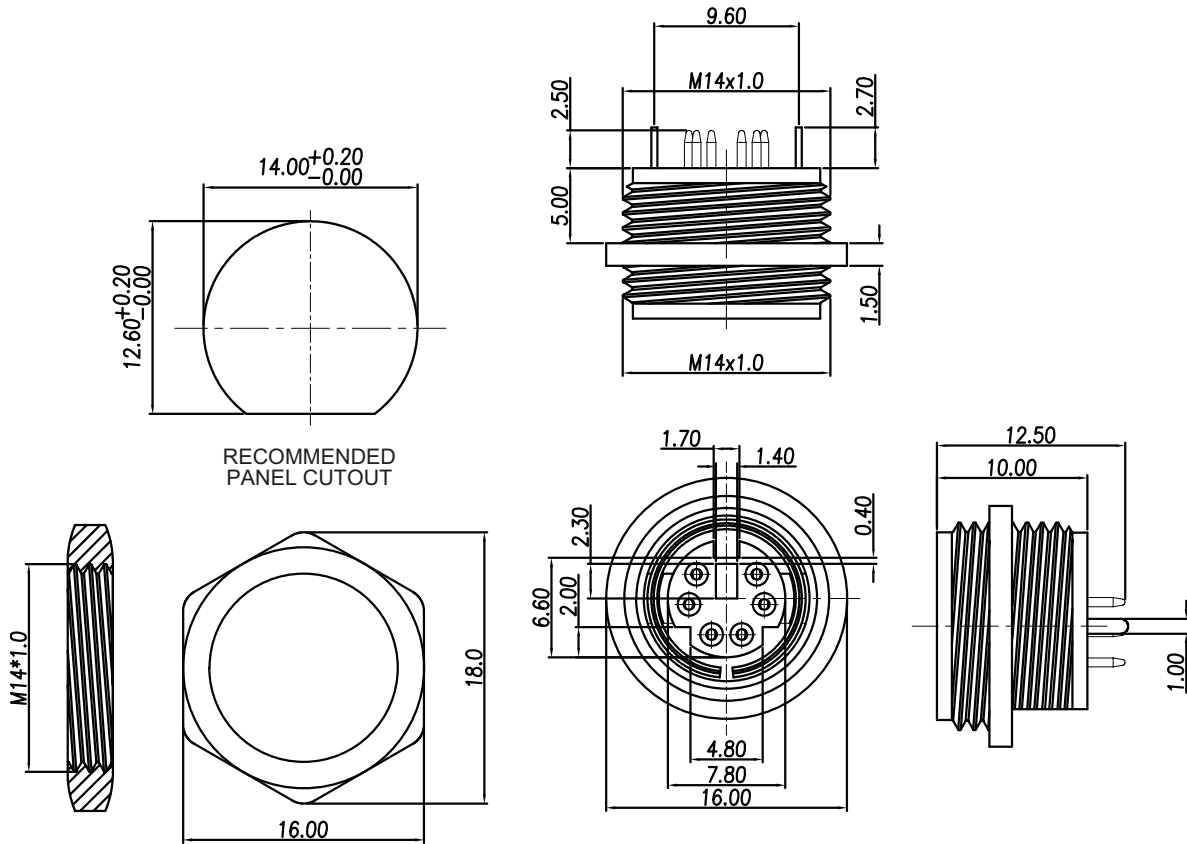
X.X ±0.2 mm

X.XX ±0.10 mm

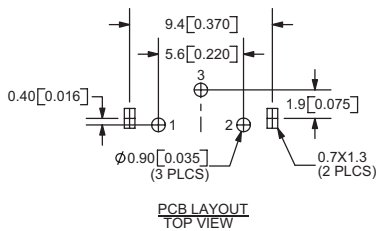
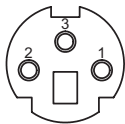
X.XXX ±0.050 mm

X.XXXX ±0.030 mm

	MATERIAL	PLATING
earth terminal	brass	nickel
terminal contacts (1~8)	phosphor bronze	tin
housing	PBT (UL94V-0)	black
nut	PBT (UL94V-0)	black

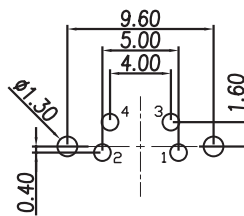
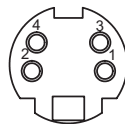


### MD-30CV



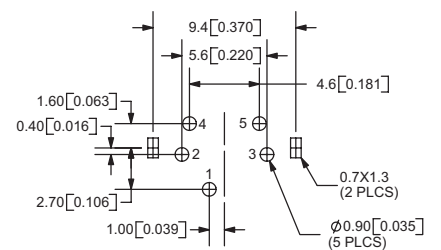
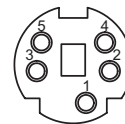
PCB LAYOUT TOP VIEW

### MD-40CV



PCB LAYOUT TOP VIEW

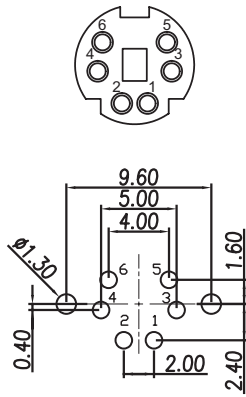
### MD-50CV



PCB LAYOUT TOP VIEW

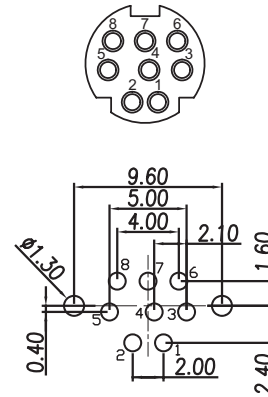
## MECHANICAL DRAWINGS (CONTINUED)

### MD-60CV



PCB LAYOUT  
TOP VIEW

### MD-80CV



PCB LAYOUT  
TOP VIEW

## REVISION HISTORY

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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

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

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