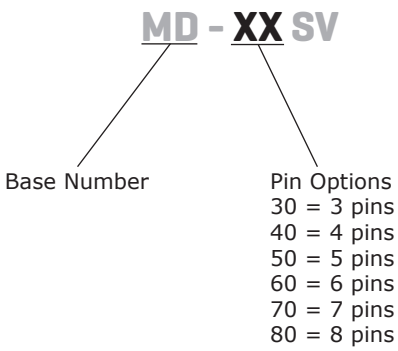
CUI DEVICES

SERIES: MD-SV | DESCRIPTION: MINI DIN CONNECTOR

FEATURES
- PCB mount
- vertical mount
- 3~8 pins

RoHS

PART NUMBER KEY



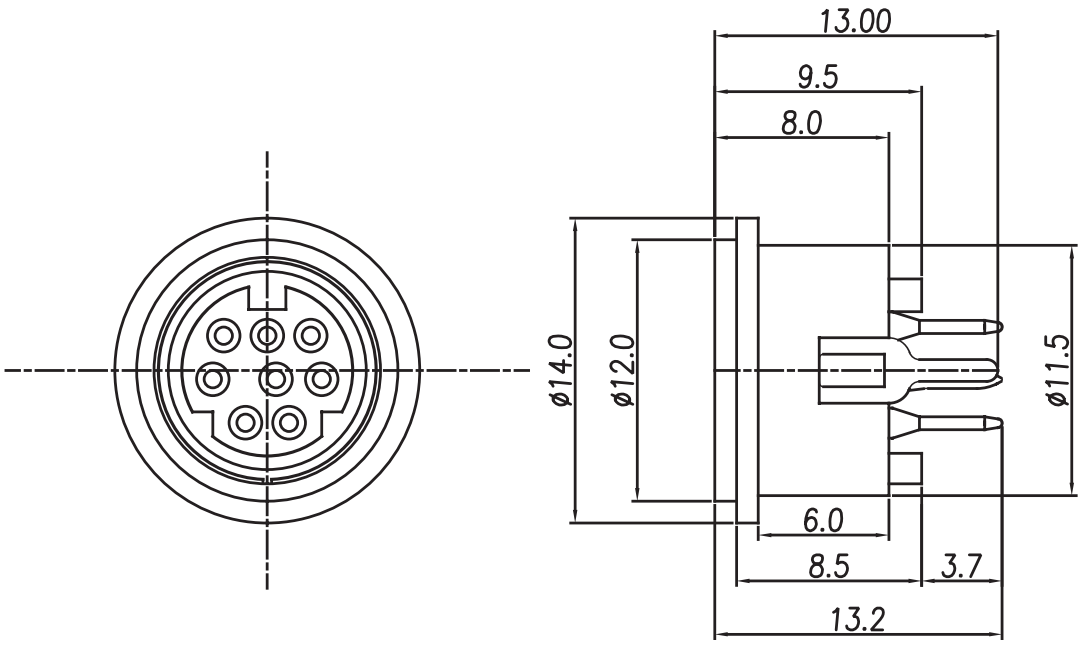
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				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				

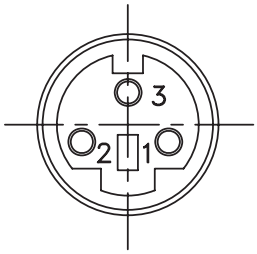
MECHANICAL DRAWINGS (MD-30SV, MD-40SV, MD-50SV)

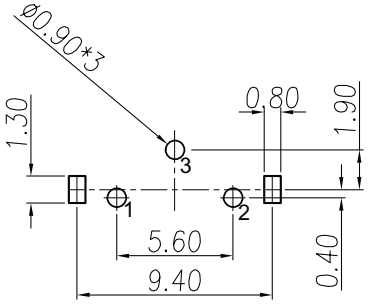
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
X.XXX ±0.030 mm

	MATERIAL	PLATING/COLOR
housing	PBT (UL94V-0)	black
contacts	phosphor bronze	tin
shell	brass	nickel



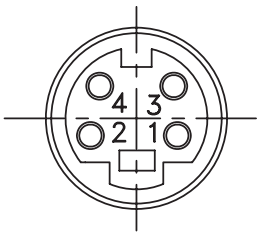
MD-30SV

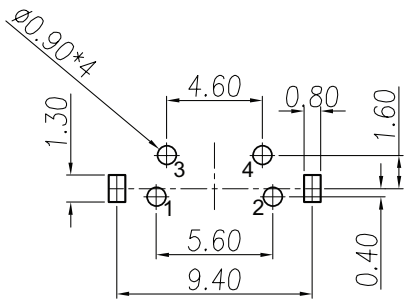




Recommended PCB Layout
Bottom View

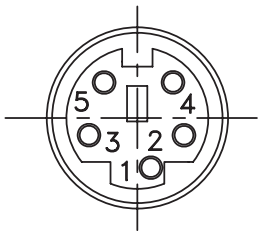
MD-40SV

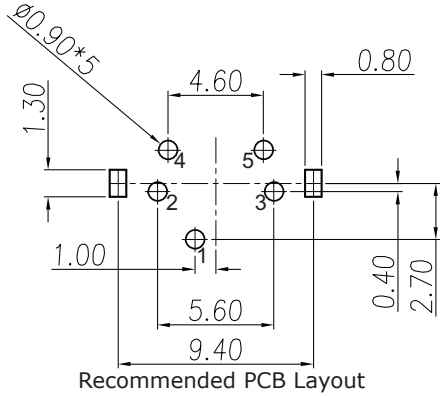




Recommended PCB Layout
Bottom View

MD-50SV

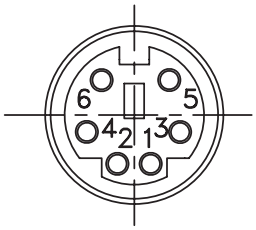


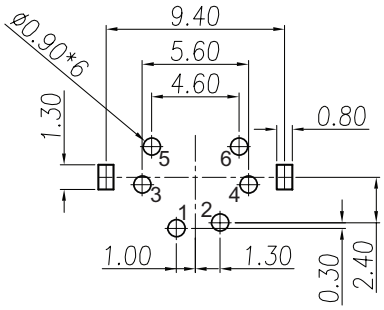


Recommended PCB Layout
Bottom View

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

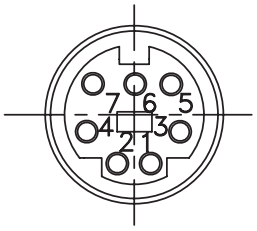
MD-60SV

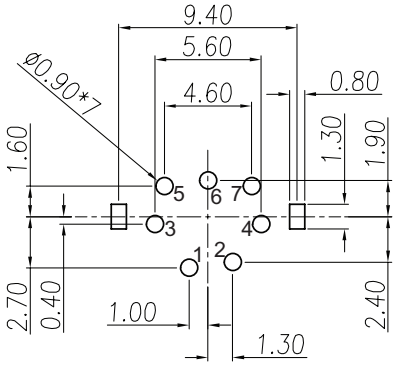




Recommended PCB Layout
Bottom View

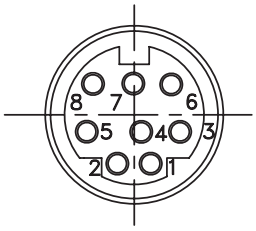
MD-70SV

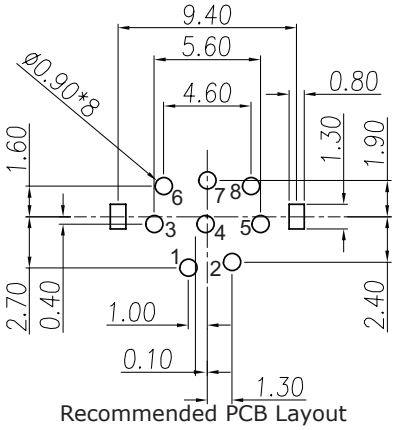




Recommended PCB Layout
Bottom View

MD-80SV





Recommended PCB Layout
Bottom View

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

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