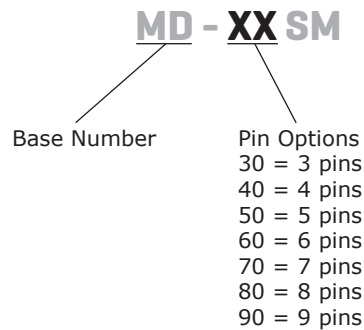


**SERIES:** MD-SM | **DESCRIPTION:** MINI DIN CONNECTOR

**FEATURES**

- PCB mount
- right angle
- side shielded


**PART NUMBER KEY**

**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		1		5	kg
withdrawal force		0.8		3.5	kg
operating temperature		-40		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

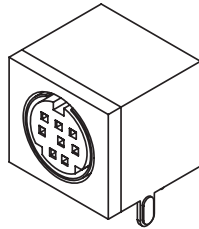
**SOLDERABILITY**

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

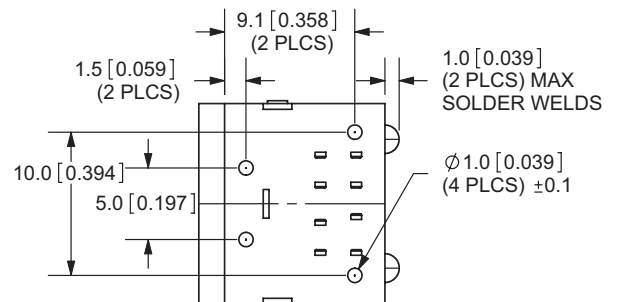
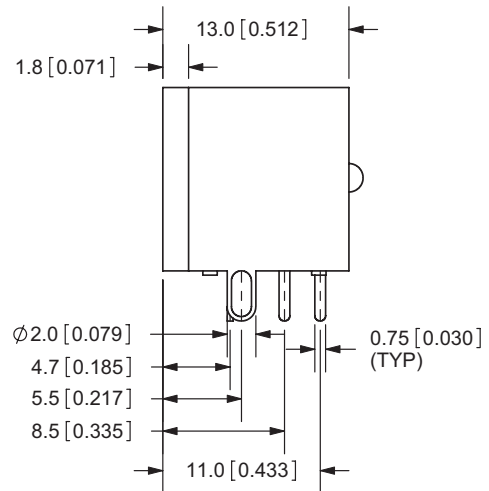
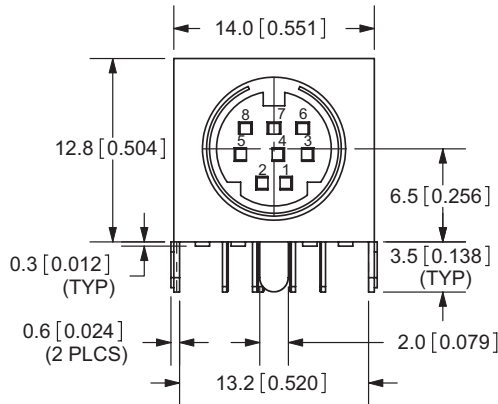
## MECHANICAL DRAWINGS

units: mm[inches]

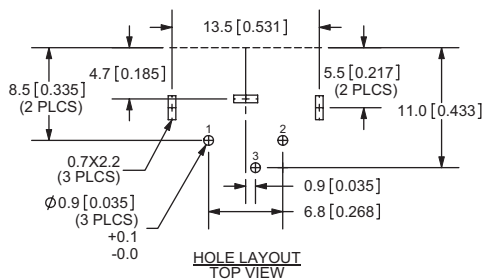
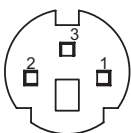
TOLERANCE:  $\pm 0.2$ mm



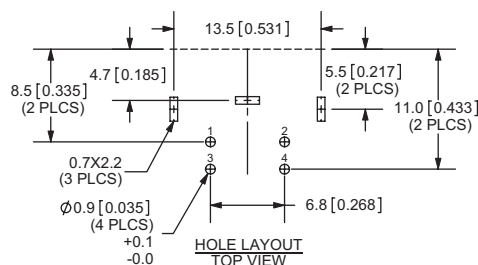
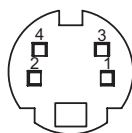
	MATERIAL	PLATING
earth terminal	brass	tin
contact terminals (1~9)	phosphor bronze	silver
shielding plate	steel	tin
housing	PBT	



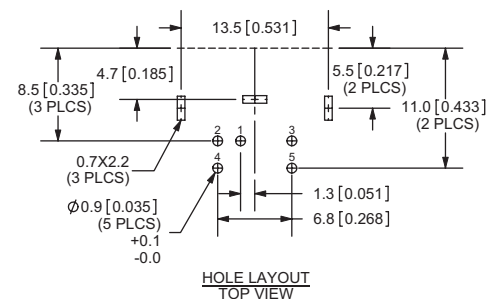
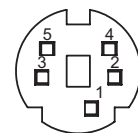
### MD-30SM



### MD-40SM

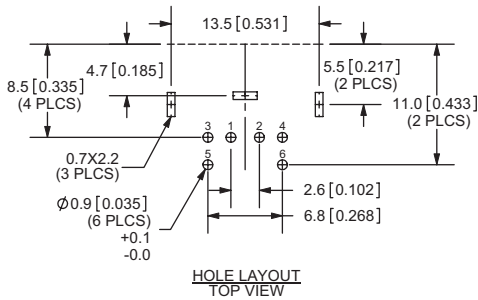
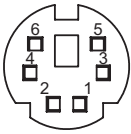


### MD-50SM

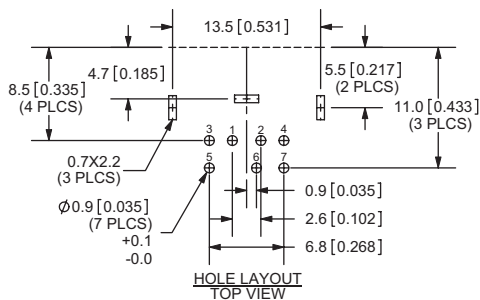
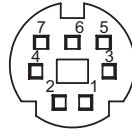


## MECHANICAL DRAWINGS (CONTINUED)

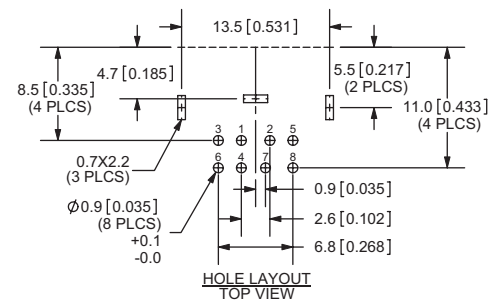
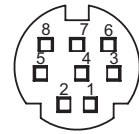
### MD-60SM



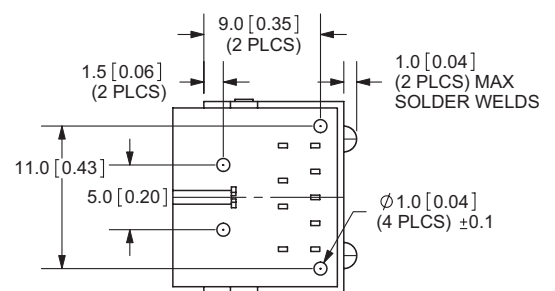
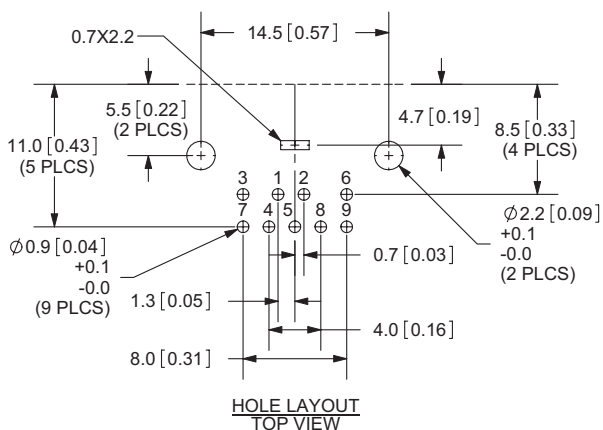
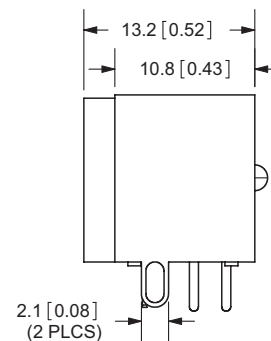
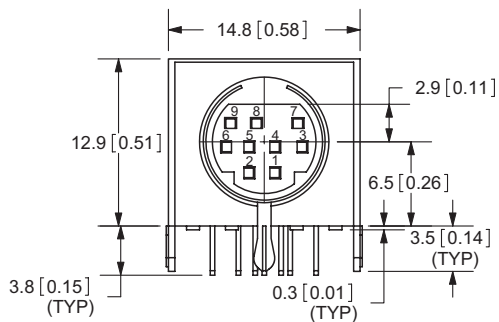
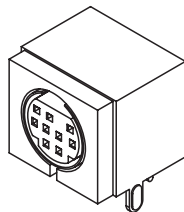
### MD-70SM



### MD-80SM



### MD-90SM



## REVISION HISTORY

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rev.	description	date
1.0	initial release	02/23/2006
1.01	new template applied	02/22/2012
1.02	updated datasheet	08/25/2017
1.03	added hand soldering details	01/19/2018

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



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