CUI INC®

SERIES: MD-SM | DESCRIPTION: MINI DIN CONNECTOR

FEATURES
- PCB mount
- right angle
- side shielded



RoHS

PART NUMBER KEY

MD - XX SM

Base Number

Pin Options
30 = 3 pins
40 = 4 pins
50 = 5 pins
60 = 6 pins
70 = 7 pins
80 = 8 pins
90 = 9 pins

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				

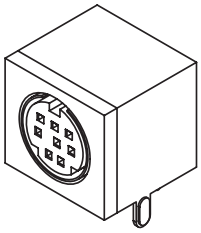
SOLDERABILITY

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

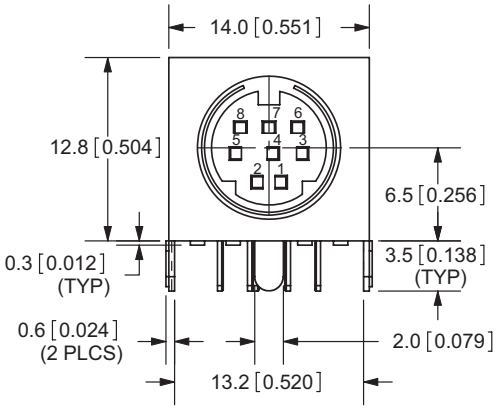
MECHANICAL DRAWINGS

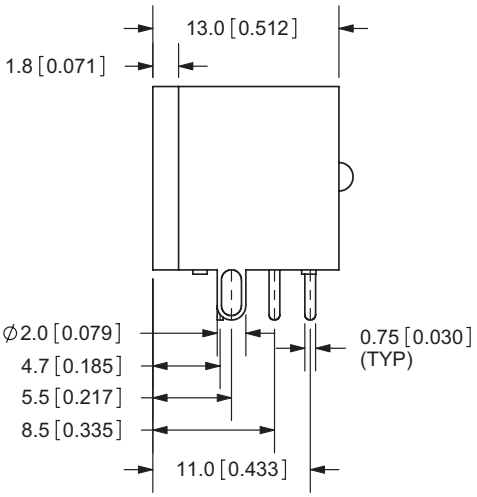
units: mm[inches]

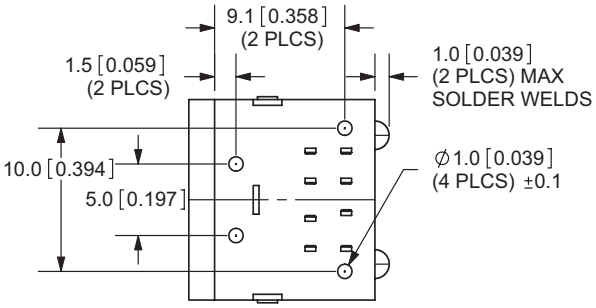
TOLERANCE: ±0.2mm



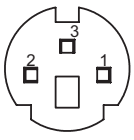
	MATERIAL	PLATING
earth terminal	brass	tin
contact terminals (1~9)	phosphor bronze	silver
shielding plate	steel	tin
housing	PBT	

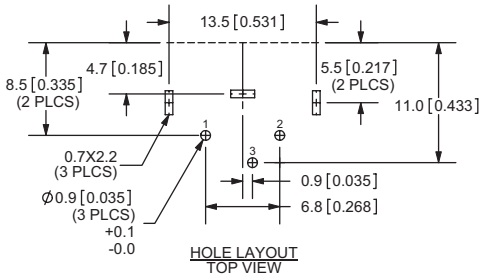




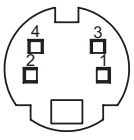


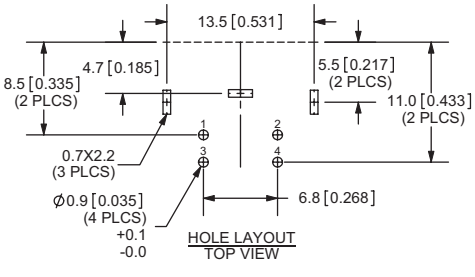
MD-30SM



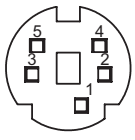


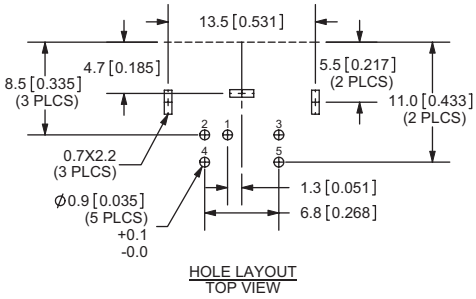
MD-40SM





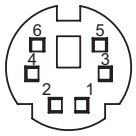
MD-50SM

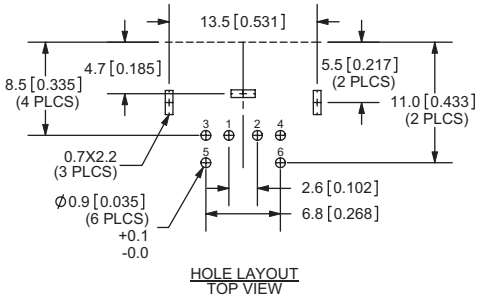




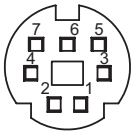
MECHANICAL DRAWINGS (CONTINUED)

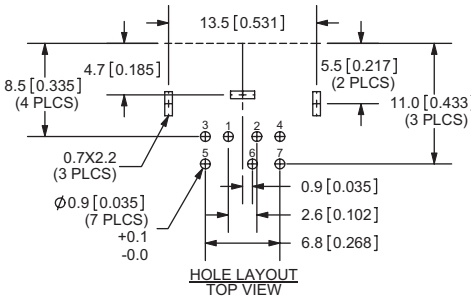
MD-60SM



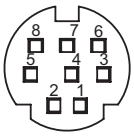


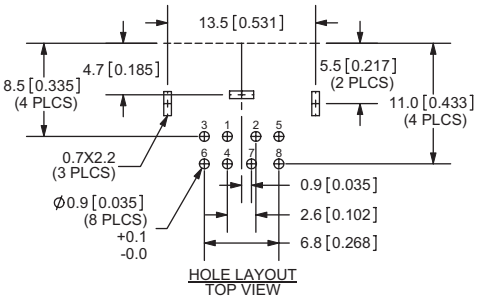
MD-70SM



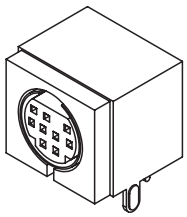


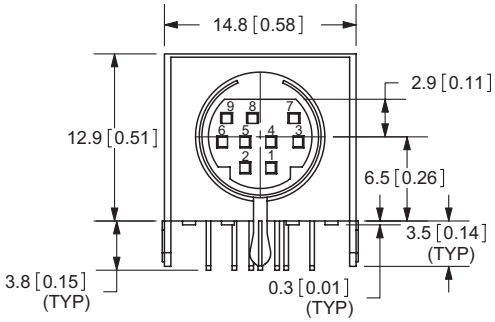
MD-80SM

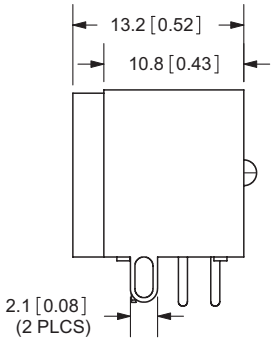


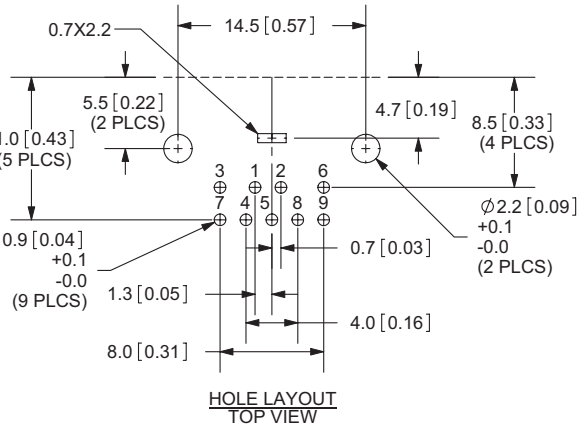


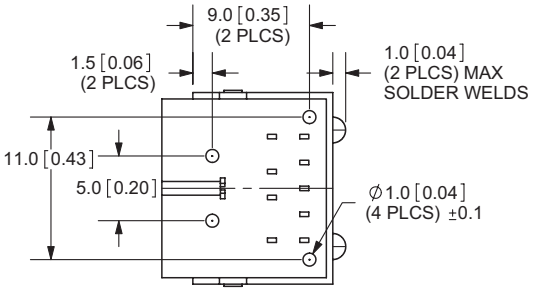
MD-90SM











REVISION HISTORY

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

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