

**date** 08/25/2017

page 1 of 4

# SERIES: MD-SGK | DESCRIPTION: MINI DIN CONNECTOR

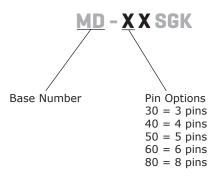
#### **FEATURES**

- PCB mount
- fully shielded
- right angle
- ground tabs with kinked pins





## **PART NUMBER KEY**



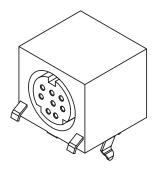
#### SPECIFICATIONS

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			МΩ
voltage withstand	for 1 minute			250	Vac
insertion force		1		4.5	kg
withdrawal force		0.8		3	kg
operating temperature		-40		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

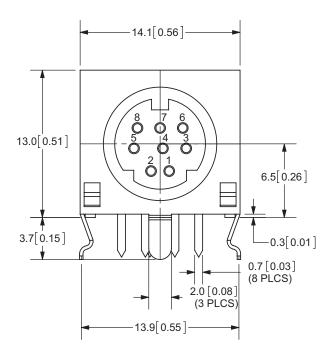
## **MECHANICAL DRAWINGS**

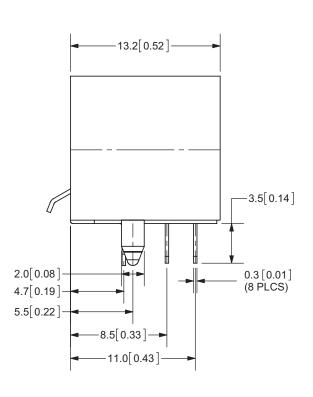
units: mm[inches]

TOLERANCE: ±0.2mm



	MATERIAL	PLATING
earth terminal	brass	tin
contact terminals (1~8)	phosphor bronze	silver
plastic	PBT	



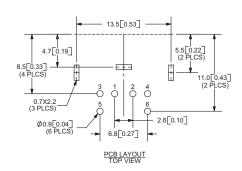


#### MD-30SGK MD-40SGK MD-50SGK 13.5[0.53] 13.5[0.53] 13.5[0.53] 5.5[0.22] (2 PLCS) 4.7[0.19] 4.7[0.19] 4.7[0.19] 8.5[0.33] -(2 PLCS) 8.5[0.33] (2 PLCS) E 11.0 0.43 (2 PLCS) 0.7X2.2 (3 PLCS) 0.7X2.2 (3 PLCS) 0.7X2.2 (3 PLCS) 1.3[0.05] Ø0.9[0.04] (3 PLCS) Ø0.9[0.04] (4 PLCS) Ø0.9[0.04] (5 PLCS) 0.9[0.04] 6.8[0.27] 6.8[0.27] 6.8[0.27] PCB LAYOUT TOP VIEW PCB LAYOUT TOP VIEW PCB LAYOUT TOP VIEW

## **MECHANICAL DRAWINGS (CONTINUED)**

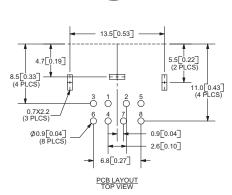
## MD-60SGK





## MD-80SGK





### **REVISION HISTORY**

rev.	description	date
1.0	initial release	02/23/2006
1.01	new template applied	02/22/2012
1.02	updated pin dimensions	03/07/2012
1.03	updated datasheet	08/25/2017

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



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