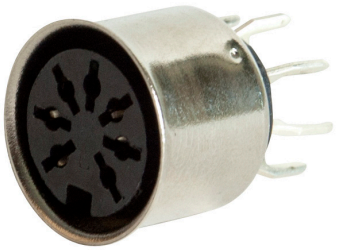
CUI Devices is now Same Sky! Learn More

same sky

SERIES: SD-BV | DESCRIPTION: STANDARD DIN CONNECTOR

FEATURES

- PCB mount
- vertical
- shielded



RoHS

PART NUMBER KEY

SD - XX BV

Base Number

Pin Options
30 = 3 pins
50 = 5 pins
60 = 6 pins
70 = 7 pins
80 = 8 pins

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				1	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	50/60 Hz at 0.5 A for 1 minute			500	Vac
insertion/withdrawal force		0.5		5.5	kg
operating temperature		-20		60	°C
storage temperature		-25		70	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

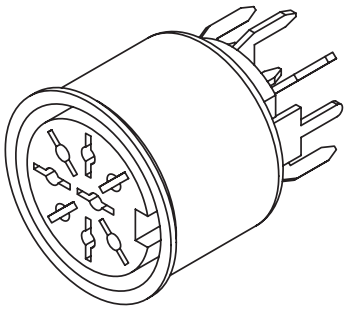
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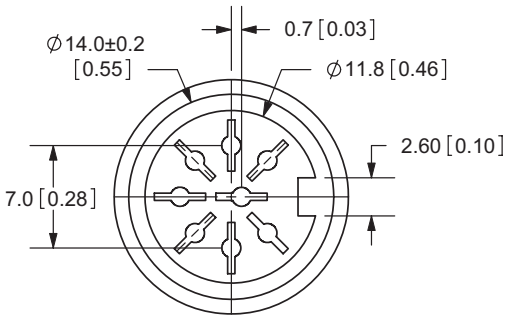
MECHANICAL DRAWINGS

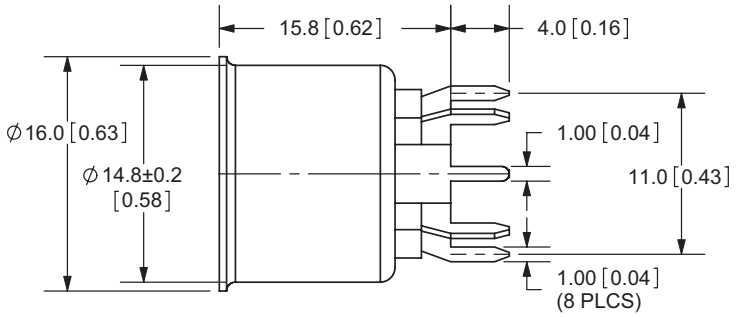
units: mm[inches]

TOLERANCE: ±0.5mm

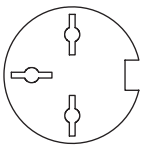
	MATERIAL	PLATING
contact terminals (1~8)	brass	tin
sleeve	PBS	tin
cover	iron sheet	nickel
mouth bushing	PBT-94V0 G15	

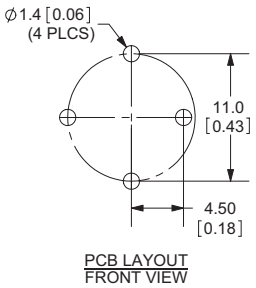






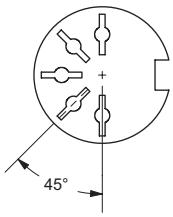
SD-30BV

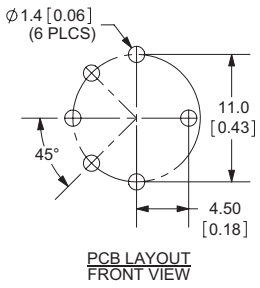




PCB LAYOUT
FRONT VIEW

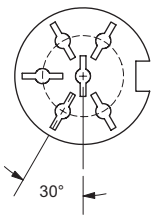
SD-50BV

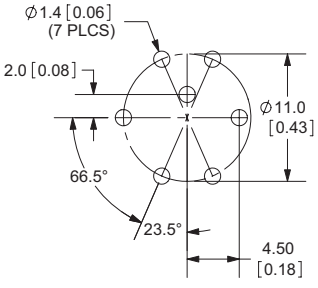




PCB LAYOUT
FRONT VIEW

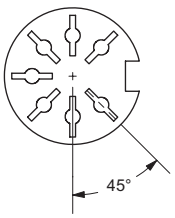
SD-60BV

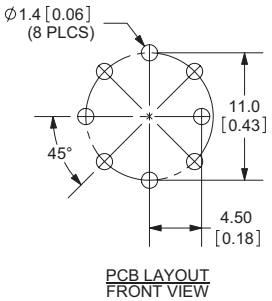




PCB LAYOUT
FRONT VIEW

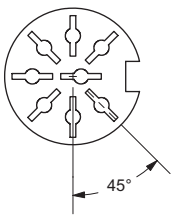
SD-70BV

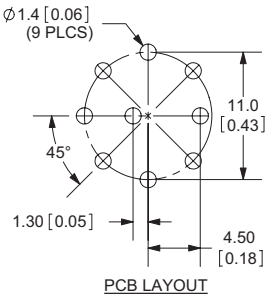




PCB LAYOUT
FRONT VIEW

SD-80BV





PCB LAYOUT
FRONT VIEW

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REVISION HISTORY

rev.	description	date
1.0	initial release	02/23/2006
1.01	new template applied	02/10/2012
1.02	terminal plating changed to tin	01/12/2016
1.03	updated datasheet	09/01/2017
1.04	brand update	02/19/2020
1.05	logo, datasheet style update	08/05/2022
1.06	CUI Devices rebranded to Same Sky	09/12/2024

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

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

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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