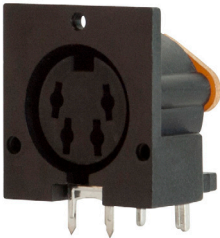


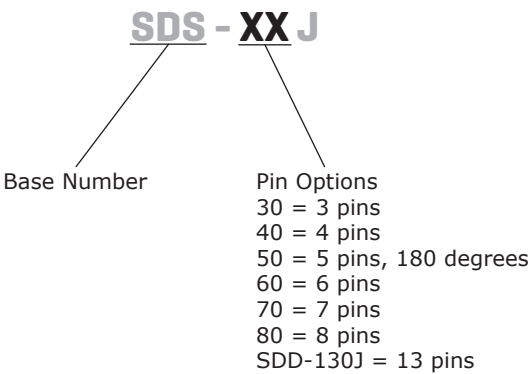
SERIES: SDS-J | **DESCRIPTION:** STANDARD DIN CONNECTOR

FEATURES

- PCB mount
- right angle orientation
- 3~8, 13 pins



PART NUMBER KEY



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage	all models		100		Vac
	130 model		12		Vdc
	all other models		24		Vdc
rated input current	130 model, at 100 Vac			1	A
	all other models, at 100 Vac			2	A
	130 model, at 12 Vdc			2	A
	all other models, at 24 Vdc			1	A
contact resistance				20	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	130 model			3	kg
	all other models			5	kg
withdrawal force	40 model	0.6		3	kg
	130 model	0.5		2	kg
	all other models	1		3.5	kg
operating temperature		-40		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

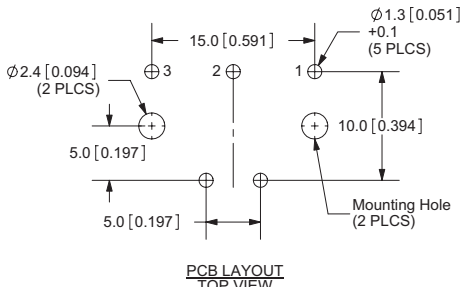
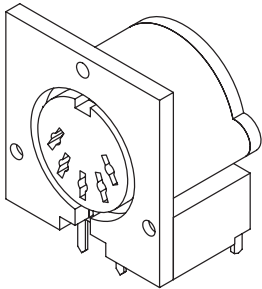
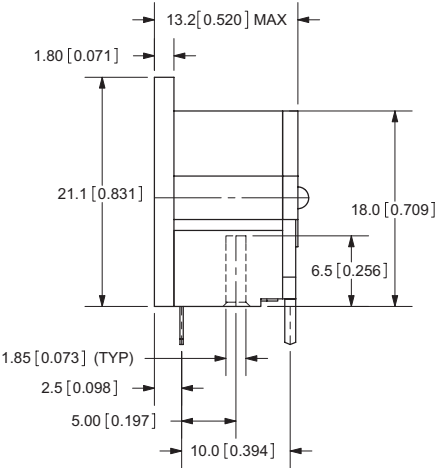
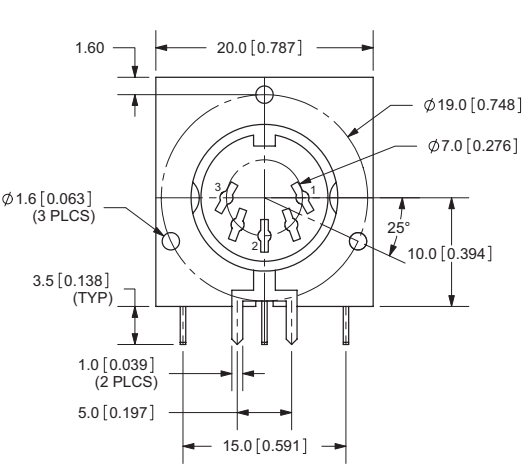
MECHANICAL DRAWINGS

units: mm[inches]

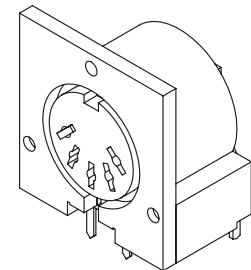
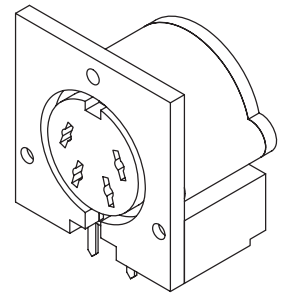
TOLERANCE: ±0.2mm

	MATERIAL	PLATING
earth terminal (30~80)	phosphor bronze	tin
earth terminal (130)	phosphor bronze	silver
contact terminals (30~80)	brass	tin
contact terminals (130)	phosphor bronze	silver
plate (30~60)	bakelite	
plate (70, 80, 130)	N/A	
plastic	PBT	

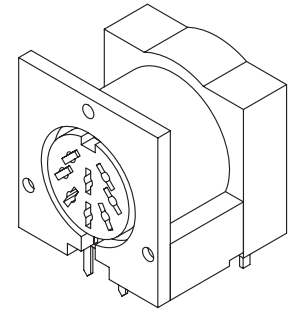
SDS-30J



SDS-40J



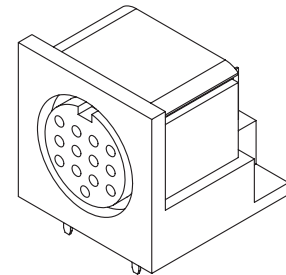
SDS-80J



PCB LAYOUT TOP VIEW

Dimensions (inches [millimeters]):

- Overall width: 19.5 [0.768]
- Overall height: 19.5 [0.768]
- Top edge offset: 7.5 [0.295]
- Top edge offset: 2.5 [0.098]
- Central circular feature diameter: $\phi 13.9$ [0.547]
- Central circular feature diameter: $\phi 11.7$ [0.461]
- Central circular feature offset: 4.5 [0.177]
- Central circular feature offset: 10.0 [0.394]
- Central circular feature offset: 1.00 [0.039] (2 PLCS)
- Central circular feature offset: 3.5 [0.138] (TYP)
- Central circular feature offset: 0.75 [0.030] (TYP)
- Central circular feature offset: 2.0 [0.079]
- Central circular feature offset: 14.0 [0.551]
- Central circular feature offset: 20.0 [0.787]
- Central circular feature offset: 10.0 [0.394]
- Central circular feature offset: 12.5 [0.492]
- Central circular feature offset: 16.5 [0.650]
- Central circular feature offset: 0.95 [0.037]
- Central circular feature offset: 2.20 [0.087]
- Central circular feature offset: 3.45 [0.136]
- Central circular feature offset: 4.70 [0.185]
- Central circular feature offset: 1.55 [0.061]
- Central circular feature offset: 2.80 [0.110]
- Central circular feature offset: 4.05 [0.159]
- Central circular feature offset: 0.3 [0.012]
- Central circular feature offset: 0.9 [0.035] (13 PLCS)
- Central circular feature offset: $\phi 1.4$ [0.055] (2 PLCS)
- Central circular feature offset: 14.5 [0.571]
- Central circular feature offset: 18.5 [0.728]
- Central circular feature offset: 12.0 [0.472]
- Central circular feature offset: 10.0 [0.394]
- Central circular feature offset: 2.5 [0.098]



REVISION HISTORY

rev.	description	date
1.0	initial release	02/23/2006
1.01	new template applied	04/26/2012
1.02	updated spec	01/15/2014
1.03	updated datasheet	09/08/2017
1.04	updated datasheet	07/24/2018

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



CUI INC[®]

Headquarters
20050 SW 112th Ave.
Tualatin, OR 97062
800.275.4899

Fax 503.612.2383
cui.com
techsupport@cui.com

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