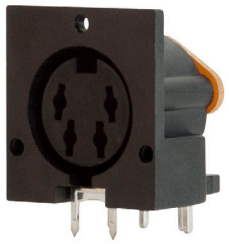
CUI DEVICES

SERIES: SDS-J | DESCRIPTION: STANDARD DIN CONNECTOR

FEATURES

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



RoHS

PART NUMBER KEY

SDS - XX J

Base Number

Pin Options
30* = 3 pins
40 = 4 pins
50 = 5 pins, 180 degrees
60 = 6 pins
70 = 7 pins
80 = 8 pins
SDD-130J = 13 pins

Notes: *Discontinued model SDS-30J

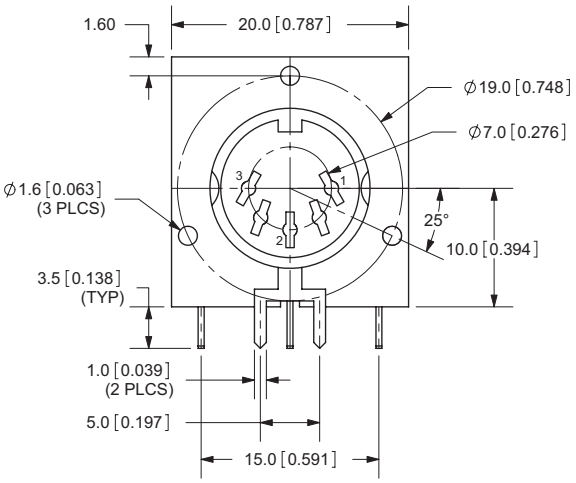
SPECIFICATIONS

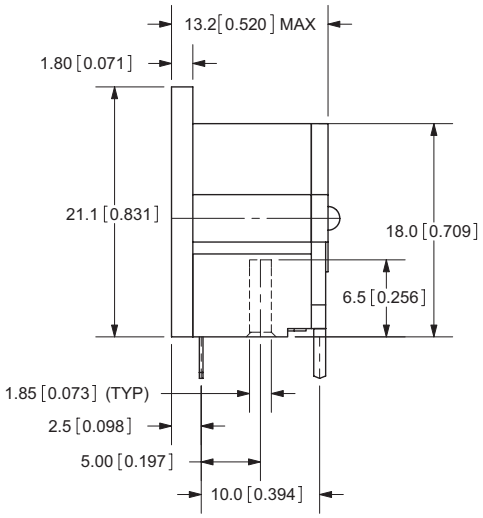
parameter	conditions/description	min	typ	max	units
rated input voltage			100 24		Vac Vdc
rated input current	at 100 Vac at 24 Vdc		2 1		A A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force				6.5	kg
withdrawal force		0.5		5	kg
operating temperature		-40		85	°C
storage temperature		-40		85	°C
life			1,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

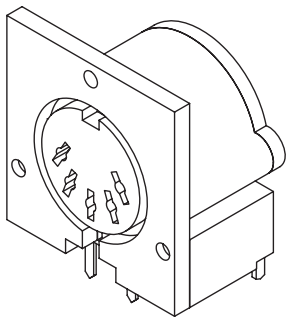
MECHANICAL DRAWING (SDS-30J)

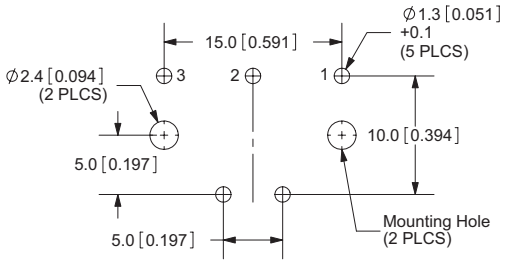
units: mm
tolerance: ±0.2 mm

DESCRIPTION	MATERIAL	PLATING/COLOR
earth terminal	phosphor bronze	tin
contact terminals	brass	tin
plate	bakelite	
plastic	PBT	







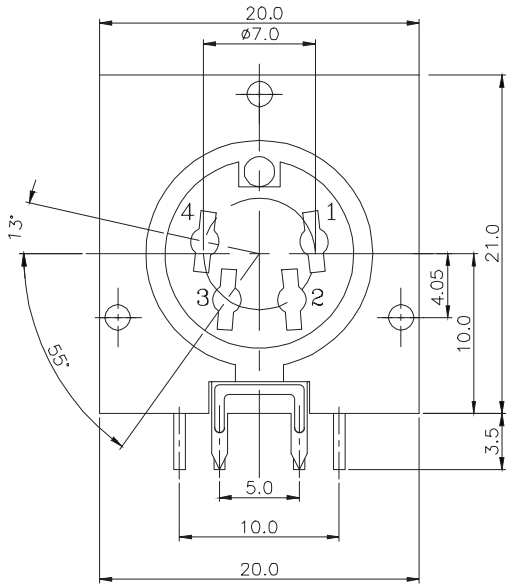


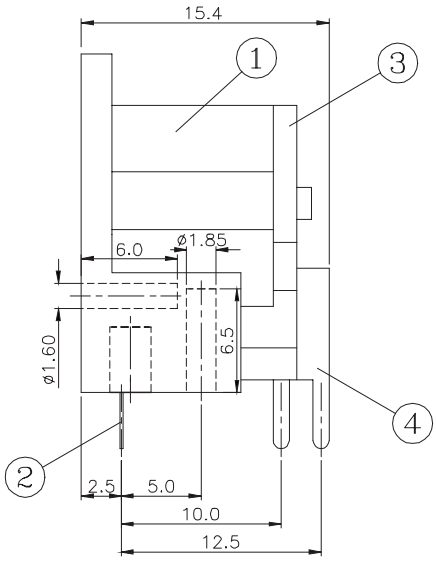
Recommended PCB Layout
Top View

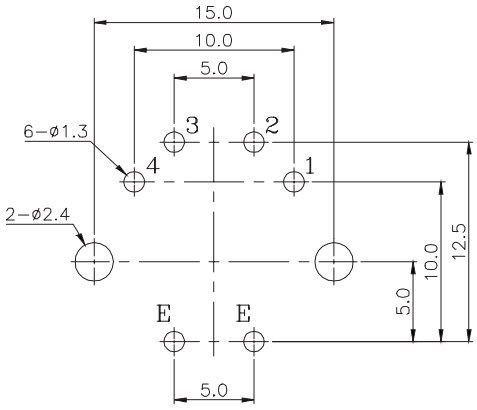
MECHANICAL DRAWING (SDS-40J)

units: mm
tolerance: ±0.3 mm
PCB tolerance: ±0.05 mm

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PBT (UL94V-0)	black
2	ground	phosphor bronze	silver
3	cover	PBT (UL94V-0)	black
4	terminal	phosphor bronze	silver





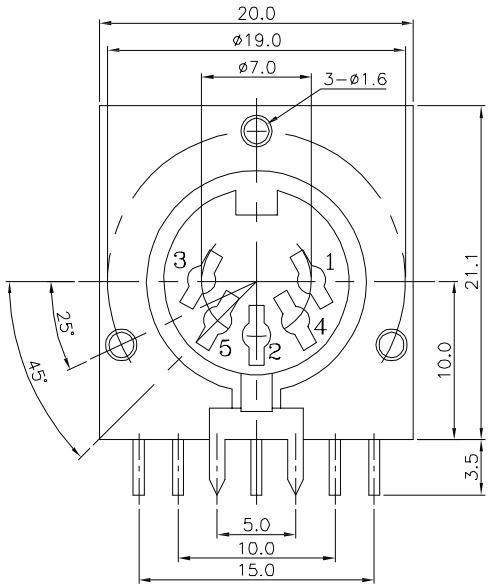


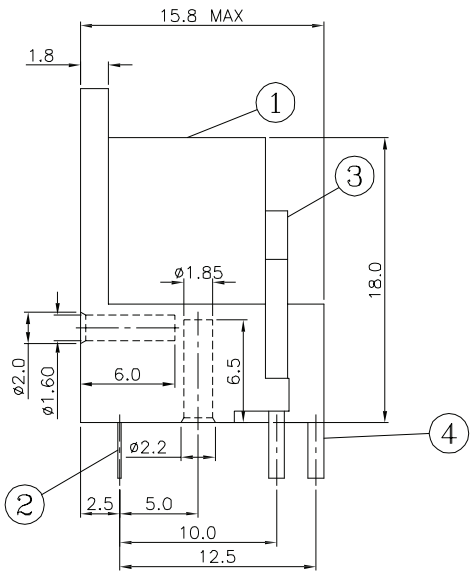
Recommended PCB Layout
Top View

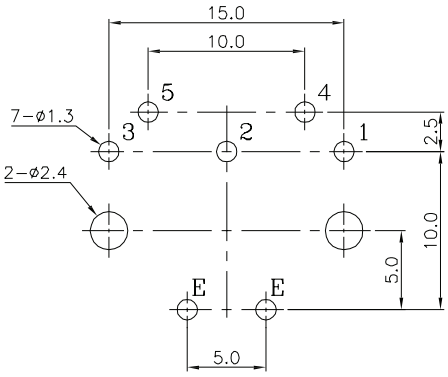
MECHANICAL DRAWING (SDS-50J)

units: mm
tolerance: ±0.3 mm
PCB tolerance: ±0.05 mm

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PBT (UL94V-0)	black
2	ground	phosphor bronze	copper/tin
3	cover	PE	
4	terminal	phosphor bronze	copper/tin





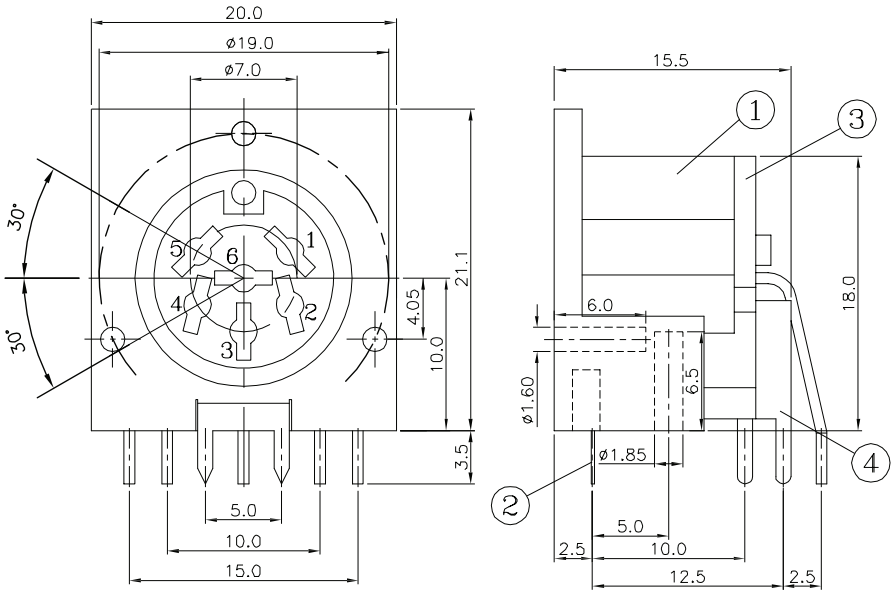


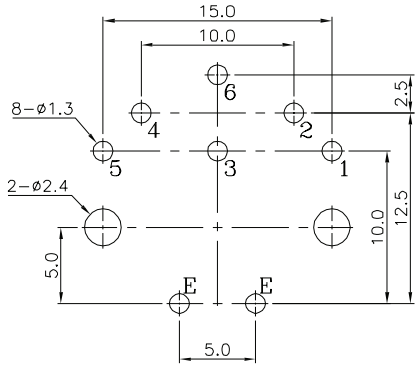
Recommended PCB Layout
Top View

MECHANICAL DRAWING (SDS-60J)

units: mm
tolerance: ±0.3 mm
PCB tolerance: ±0.05 mm

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PBT (UL94V-0)	black
2	ground	phosphor bronze	copper/tin
3	cover	PF	yellow
4	terminal	phosphor bronze	copper/tin



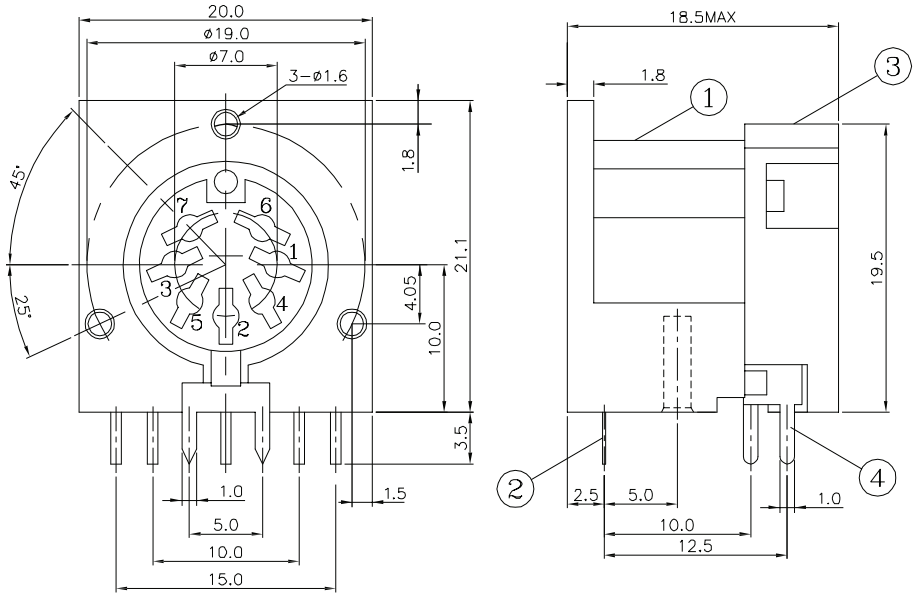


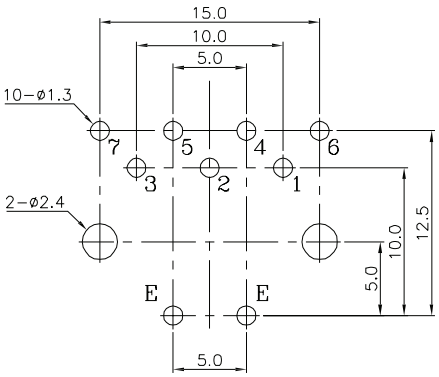
Recommended PCB Layout
Top View

MECHANICAL DRAWING (SDS-70J)

units: mm
tolerance: ±0.3 mm
PCB tolerance: ±0.05 mm

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PBT (UL94V-0)	black
2	ground	phosphor bronze	silver
3	cover	PBT (UL94V-0)	black
4	terminal	phosphor bronze	silver



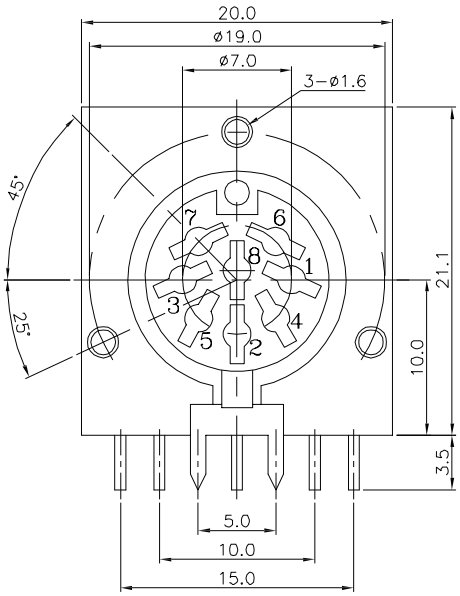


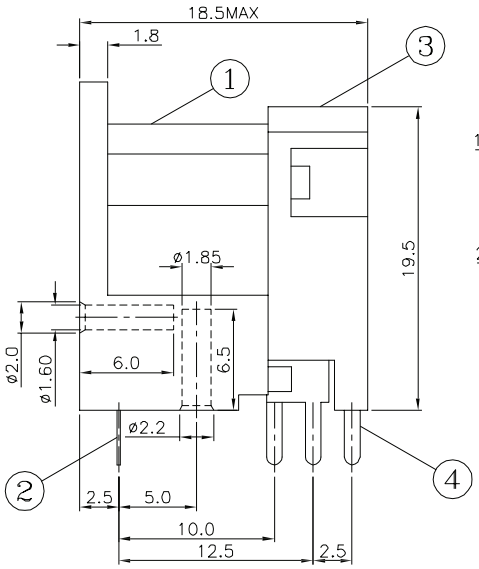
Recommended PCB Layout
Top View

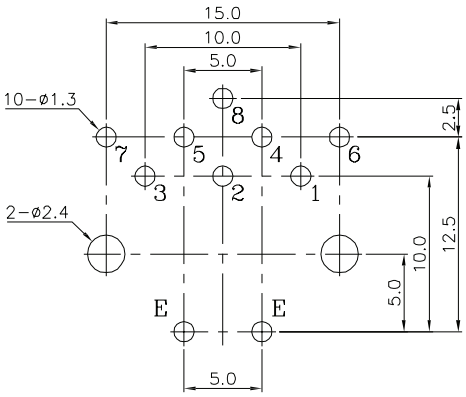
MECHANICAL DRAWING (SDS-80J)

units: mm
tolerance: ±0.3 mm
PCB tolerance: ±0.05 mm

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PBT (UL94V-0)	black
2	ground	phosphor bronze	copper/tin
3	cover	PBT (UL94V-0)	black
4	terminal	phosphor bronze	copper/tin





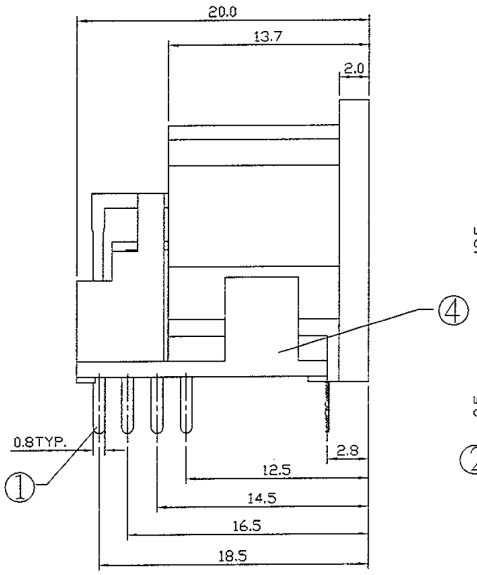


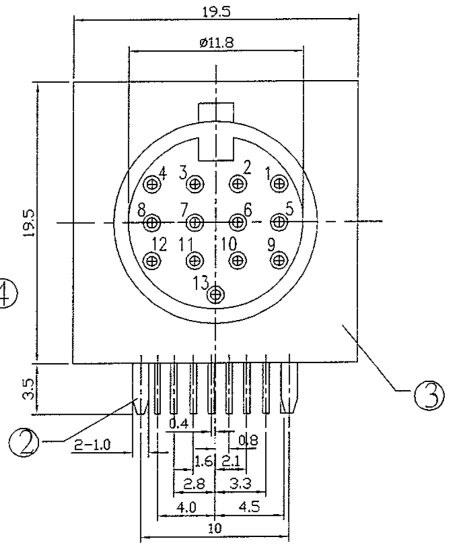
Recommended PCB Layout
Top View

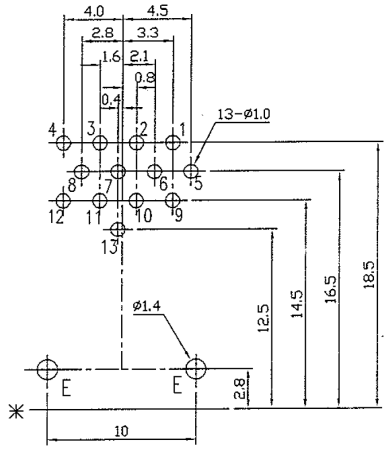
MECHANICAL DRAWING (SDD-130J)

units: mm
tolerance: ±0.3 mm
PCB tolerance: ±0.05 mm

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminal	phosphor bronze	silver
2	ground	phosphor bronze	silver
3	housing	PBT (UL94V-0)	black
4	cover	PBT (UL94V-0)	black







Recommended PCB Layout
Top View

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
1.05	discontinued model SDS-30J, brand update	10/08/2019
1.06	updated housing	02/13/2020
1.07	logo, datasheet style update	08/05/2022

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

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