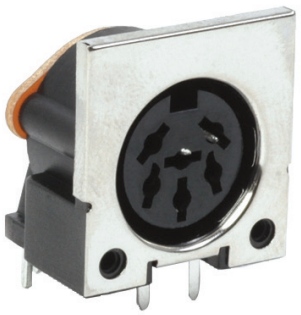
CUI INC®

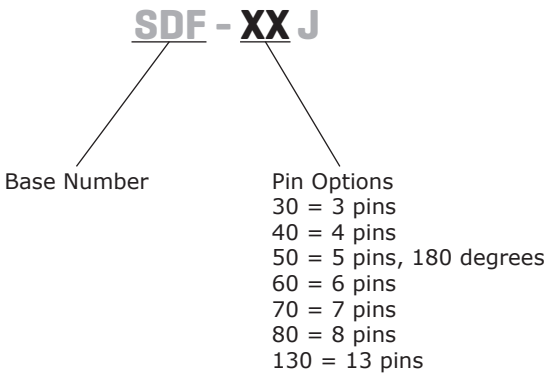
SERIES: SDF-J | **DESCRIPTION:** STANDARD DIN CONNECTOR

FEATURES
- PCB mount
- front shielded
- right angle



RoHS

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	80 model			6.5	kg
	130 model			3	kg
	all other models			5	kg
withdrawal force	40 model	0.6		3	kg
	80 model	1		5	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				

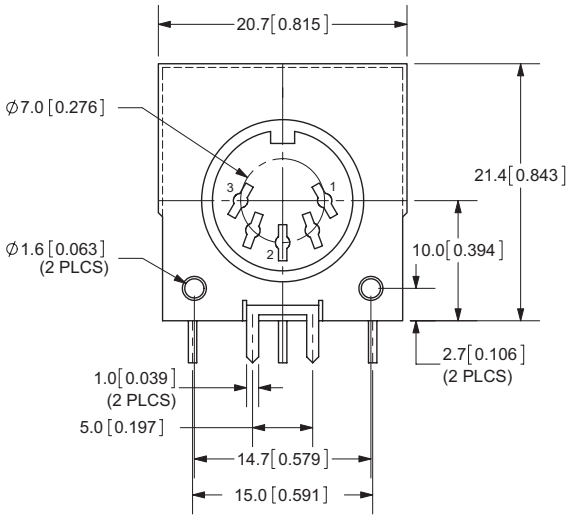
MECHANICAL DRAWINGS

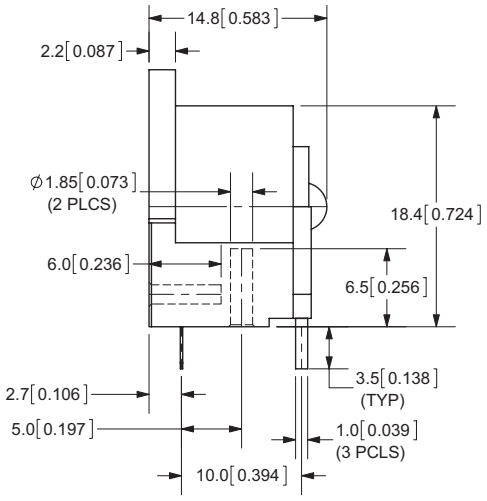
units: mm[inches]

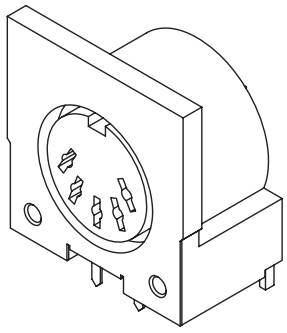
TOLERANCE: ±0.2mm

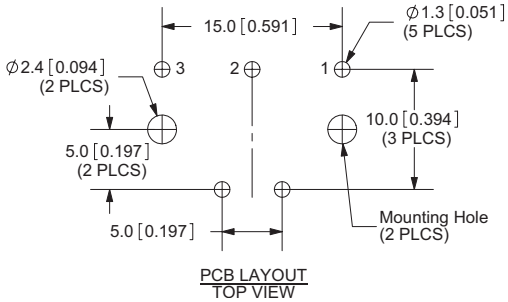
	MATERIAL	PLATING
shield terminal (30~80)	brass	nickel
shield terminal (130)	phosphor bronze	tin
contact terminals (30~80)	brass	tin
contact terminals (130)	phosphor bronze	silver
plate (30~60)	bakelite	
plate (70, 80, 130)	N/A	
plastic	PBT	

SDF-30J





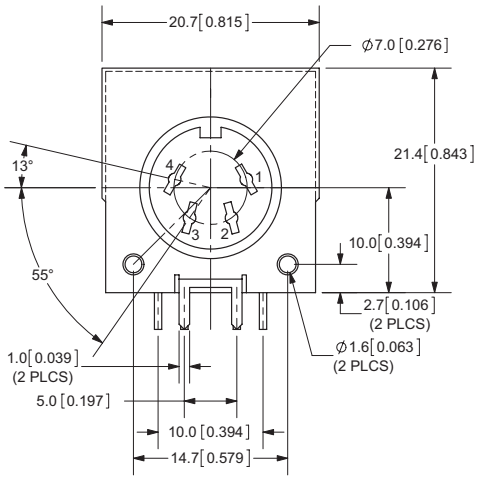


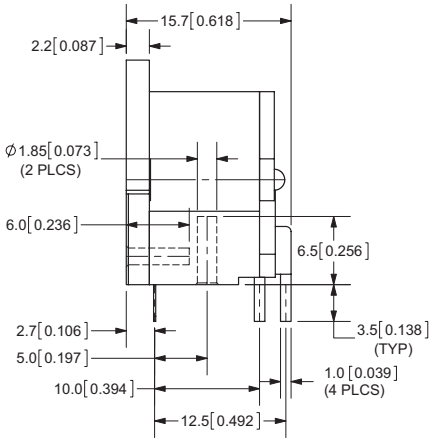


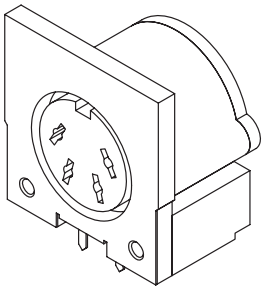
PCB LAYOUT
TOP VIEW

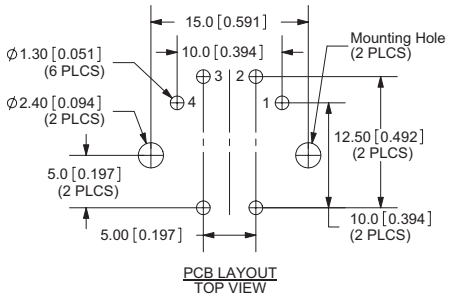
MECHANICAL DRAWINGS (CONTINUED)

SDF-40J

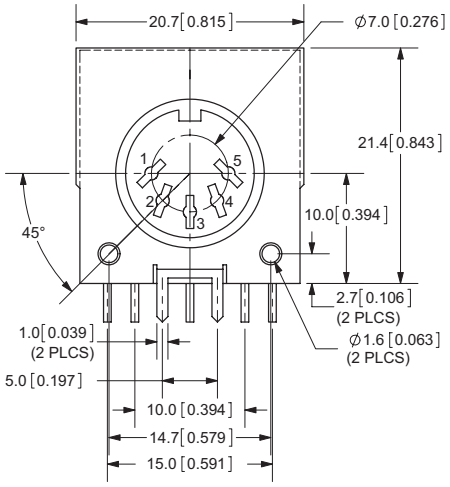


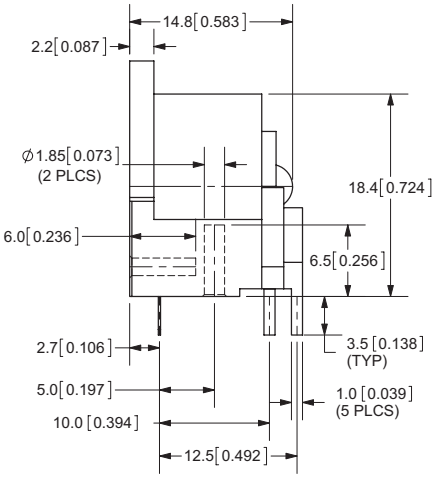


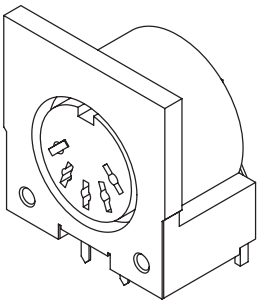


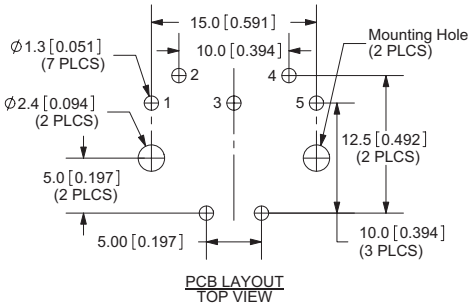


SDF-50J



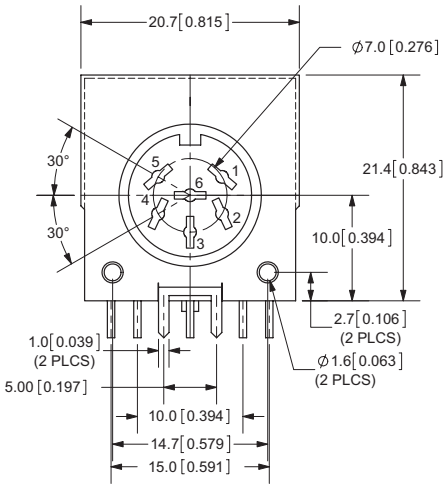


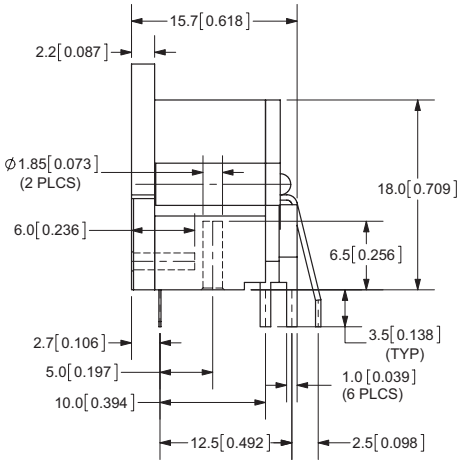


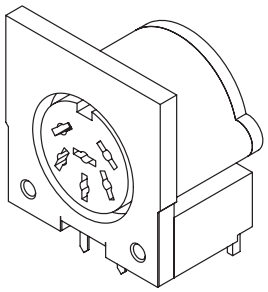


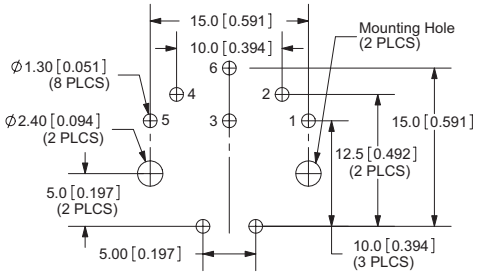
MECHANICAL DRAWINGS (CONTINUED)

SDF-60J



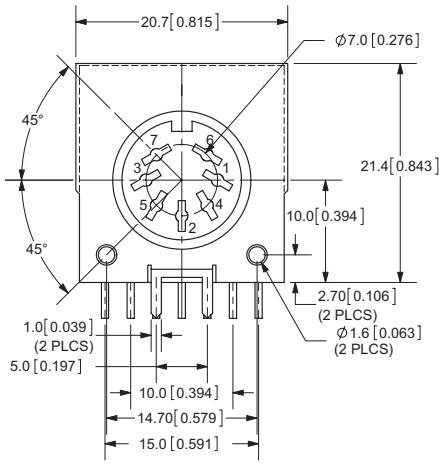


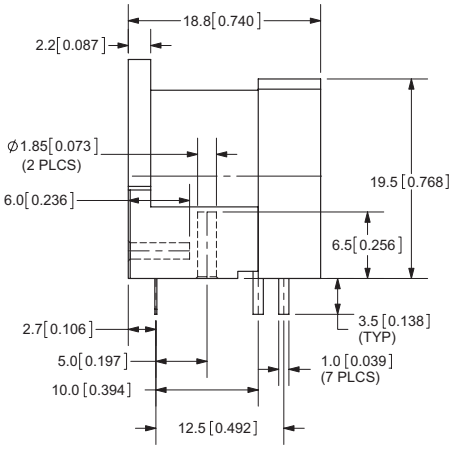


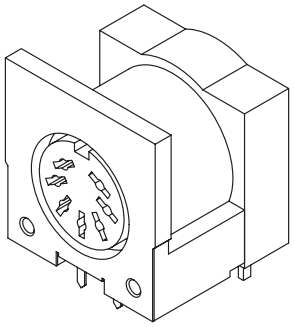


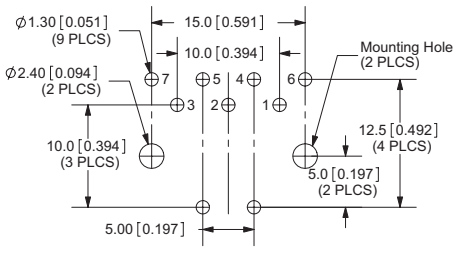
PCB LAYOUT
TOP VIEW

SDF-70J





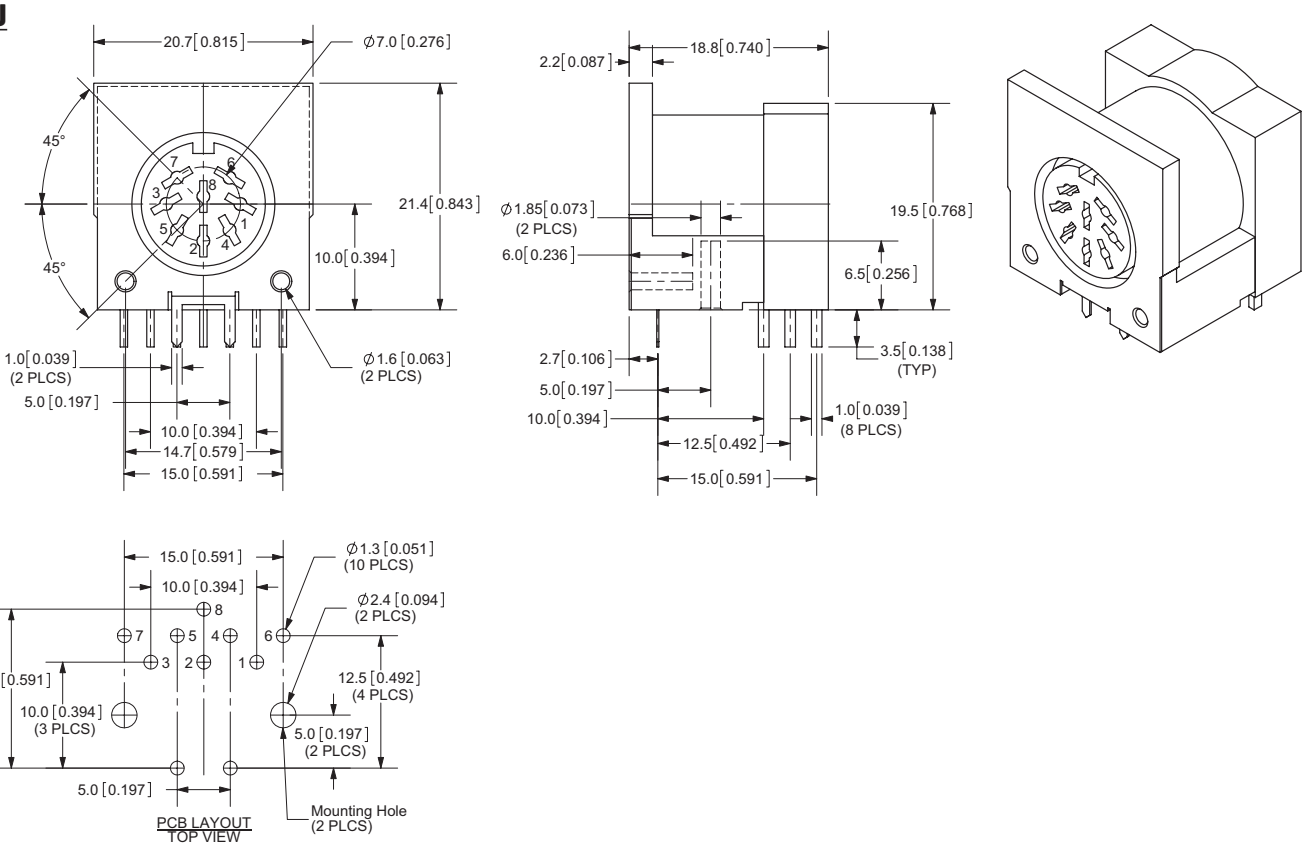




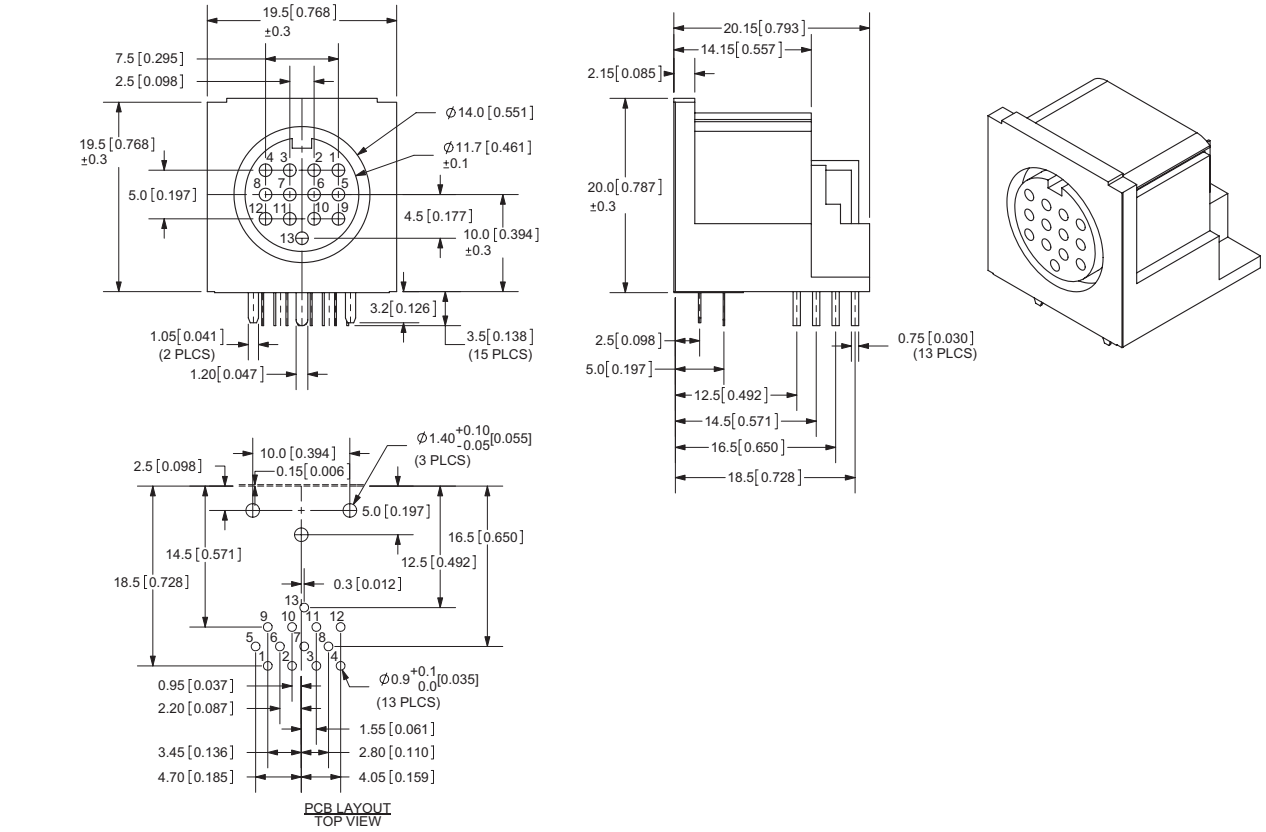
PCB LAYOUT
TOP VIEW

MECHANICAL DRAWINGS (CONTINUED)

SDF-80J



SDF-130J



REVISION HISTORY

rev.	description	date
1.0	initial release	02/23/2006
1.01	new template applied	04/02/2012
1.02	updated housings	04/05/2012
1.03	corrected SDF-50J and SDF-51J pinouts	07/15/2014
1.04	updated datasheet	09/08/2017
1.05	updated datasheet	07/24/2018

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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