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MODEL: PJ-051AH | DESCRIPTION: DC POWER JACK

FEATURES

- 2.0 mm center pin
- 5.0 A rating
- right-angle orientation
- through hole
- shielded
- low profile

RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	A
contact resistance[1]	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

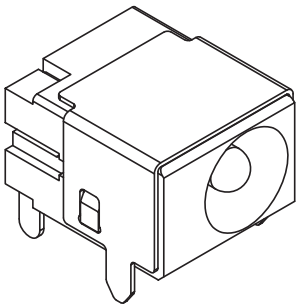
Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

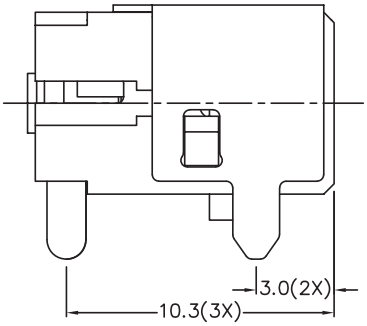
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

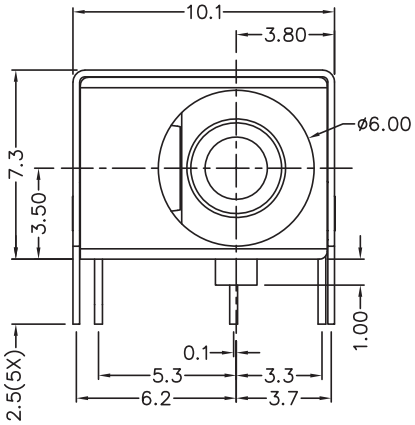
MECHANICAL DRAWING

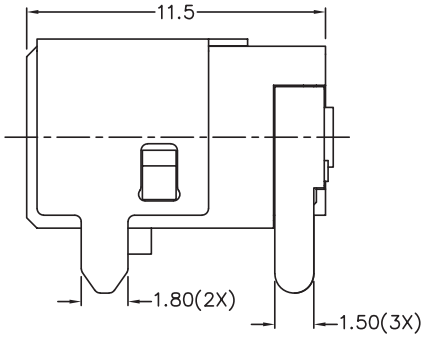
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.1 mm
X.XXX ±0.05 mm
PCB: ±0.05 mm
unless otherwise specified

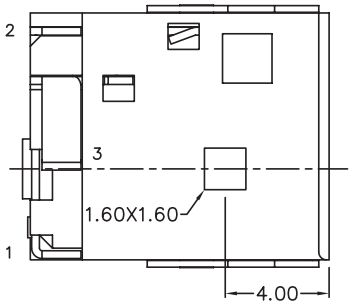


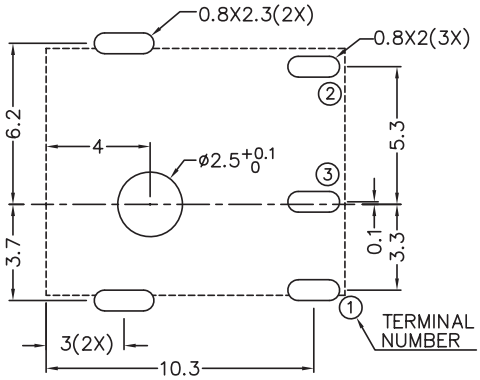
DESCRIPTION	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver over nickel
terminal 2	copper alloy	silver over nickel
terminal 3	brass	silver over nickel
shield	brass	nickel
housing	PBT (UL94V-0)	black



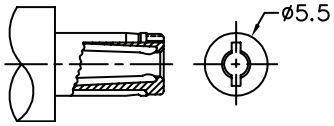




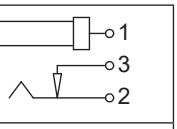




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.2 mm

SCHEMATIC	
Model	PJ-051AH
Center Pin	Ø2.0 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	shield plating material changed from Tin to Nickel	09/30/2009
1.02	applied new spec template	01/03/2014
1.03	increased voltage rating	04/14/2016
1.04	brand update	10/29/2019
1.05	updated datasheet	02/01/2023
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

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