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### MODEL: PR-2555B | DESCRIPTION: DC POWER RECEPTACLE

#### FEATURES

- designed for overmolding
- 8 A rating
- 2.5 mm center pin



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## RoHS

#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				8	А
contact resistance	between plug and receptacle			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard plug	0.3		3	kgf
withdrawal force	when mating with a standard plug	0.3		3	kgf
operating temperature		-25		70	°C
operating humidity				85	%
life			5,000		cycles
flammability rating	see material table				
RoHS	yes				

#### SOLDERABILITY

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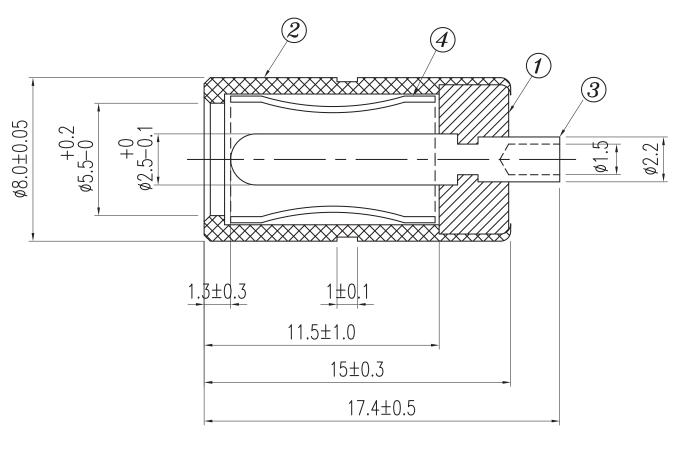
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

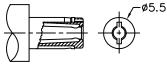
#### **MECHANICAL DRAWING**

units: mm tolerance: X≤1.0: ±0.1 mm 1.0<X≤6.0: ±0.2 mm 6.0<X≤18.0: ±0.3 mm 18.0<X≤40.0: ±0.4 mm X>40.0: ±0.5 mm unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
insulator	PBT (UL94HB)	black
body	brass	nickel
center pin	brass	nickel
terminal 2	phosphor bronze	nickel
	insulator body center pin	insulator PBT (UL94HB) body brass center pin brass

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MATING PLUG Jack Insertion Depth: 11.5 mm

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Schematic	o1 o2
Model No.	PR-2555B
Center Pin	Ø2.5 mm

#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	06/18/2018
1.01	brand update	11/13/2019
1.02	logo, datasheet style update	08/05/2022
1.03	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

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