



PREVIOUS CUI DEVICES DETAIL / IMAGE			NEW CUI DEVICES DETAIL / IMAGE		
	MATERIAL	PLATING		DESCRIPTION	PLATING/COLOR
terminal 1	copper alloy	gold	terminal 1	C5191 t-0.25	gold flash
terminal 2	copper alloy	gold	terminal 2	C5191 t-0.20	gold flash
terminal 3	copper alloy	gold	terminal 3	C5191 t-0.20	gold flash
terminal 4	copper alloy	gold	terminal 4	C5191 t-0.30	gold flash
terminal 5	brass	gold	terminal 5	C2680 t-0.30	gold flash
terminal 6	brass	gold	terminal 6	C2680 t-0.30	gold flash
plastic	PA6T or equivalent		housing	PA9T (UL94V-0)	black

### SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current			1		A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit		50		mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute		500		Vac
insertion/withdrawal force		0.3	3		kg
operating temperature		-25	85		°C
life	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

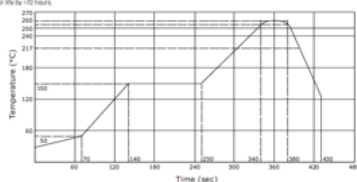
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flammability rating	UL94V-0				
RoHS	yes				

### SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <90%		40		°C
reflow soldering	see reflow profile	255	260	265	°C
drying conditions <sup>1</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

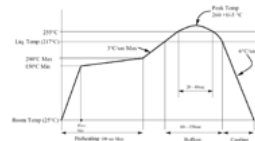
Note: 1. Must reflow within 10 hours from opening vacuum packaging at a temperature <30°C @ relative humidity <80%.  
2. when exceeding four days to 10 hours.



### SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	5-25°C, 20-75% humidity				
reflow soldering	see reflow profile	255	260		°C

Note: 1. CUI Devices recommends storage of the product within 24 hours after TRM is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.



Affected Date Code: **09/27/2023**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality



Product Management

