



PREVIOUS CUI DEVICES DETAIL / IMAGE				NEW CUI DEVICES DETAIL / IMAGE			
	MATERIAL	PLATING		DESCRIPTION	MATERIAL	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	

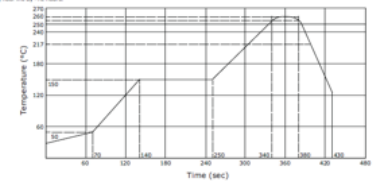
  

SPECIFICATIONS				SPECIFICATIONS							
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc	rated input voltage			12		Vdc
rated input current				1	A	rated input current				1	A
contact resistance <sup>1</sup>	between terminal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

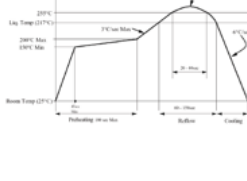
SOLDERABILITY				SOLDERABILITY							
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity < 80%			40	°C	reel storage	5-25°C, 20-75% humidity				
reflow soldering	see reflow profile	255	260	265	°C	reflow soldering	see reflow profile	255	260		°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 < 50°C @ relative humidity < 80%.  
2. when exceeding four days to 10 hours.



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

