

PREVIOUS CUI DEVICE'S DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	silver
terminal 1	brass $t=0.50$	silver
terminal 2	bronze $t=0.25$	silver
terminal 3	brass $t=0.50$	silver
housing	PA10T (UL94V-0)	black

NEW CUI DEVICE'S DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	CuSn
terminal 1	brass $t=0.30$	silver
terminal 2	phosphor bronze $t=0.30$	silver
terminal 3	brass $t=0.30$	silver
housing	PA10T (UL94V-0)	black

MATING PLUG
Jack Insertion Depth: 5.9 mm

MATING PLUG
Jack Insertion Depth: 5.1 mm

PREVIOUS CUI DEVICES DETAIL / IMAGE

NEW CUI DEVICE DETAIL / IMAGE

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current			3.5		A
contact resistance			30		mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3	2		kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow storage	10-30°C, <75% humidity				°C
reflow soldering	see reflow profile	235	250		°C
drying condition ¹	parts in reel bake at 100°C for 4 hours				
	parts removed from reel bake at 100°C for 4 hours				

Notes:
 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <100°C relative humidity <65%.
 2. When exceeding four (4) by 1540 hours.

* Time 25°C to Peak Temp. — 8 Minute Max.
 * Time within 5°C of Actual Peak Temp. — 30-40 Seconds

SPECIFICATIONS

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rated input voltage			24		Vdc
rated input current			3.5		A
contact resistance			30		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		80	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow storage	0-30°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying condition	bake at 100°C for 4 hours				

PACKAGING

units: mm
 Reel Size: 8000 mm
 Reel QTY: 700 pins per reel



Affected Date Code: All orders placed after **04/18/2024**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

A handwritten signature in black ink, appearing to read "John Hill", positioned above a horizontal line.

Product Management

A handwritten signature in black ink, appearing to read "Michael", positioned above a horizontal line.