



PREVIOUS CUI DEVICES DETAIL / IMAGE			NEW CUI DEVICES DETAIL / IMAGE		
DESCRIPTION	MATERIAL	PLATING/COLOR	DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	silver	center pin	brass	CuSn
terminal 1	brass t=0.50	silver	terminal 1	brass t=0.30	silver
terminal 2	bronze t=0.25	silver	terminal 2	phosphor bronze t=0.30	silver
terminal 3	brass t=0.50	silver	terminal 3	brass t=0.30	silver
housing	PA10T (UL94V-0)	black	housing	PA10T (UL94V-0)	black

  

<p><b>MATING PLUG</b> Jack Insertion Depth: <b>5.9 mm</b></p>	<p><b>MATING PLUG</b> Jack Insertion Depth: <b>5.1 mm</b></p>
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<b>SPECIFICATIONS</b>					<b>SPECIFICATIONS</b>						
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc	rated input voltage			24		Vdc
rated input current			3.5		A	rated input current			3.5		A
contact resistance			30		mΩ	contact resistance			30		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	2		kg	insertion/withdrawal force		0.3	3		kg
operating temperature		-25		85	°C	operating temperature		-25		80	°C
life			5,000		cycles	life			5,000		cycles
flammability rating	UL94V-0					flammability rating	UL94V-0				
RoHS	yes					RoHS	yes				

  

<b>SOLDERABILITY</b>					<b>SOLDERABILITY</b>						
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
reel storage	10-30°C, <70% humidity				°C	reel storage	0-30°C, 70% humidity				°C
reflow soldering	see reflow profile	250	250		°C	reflow soldering	see reflow profile			250	°C
drying conditions	parts in reel bake at 100°C for 4 hours parts removed from reel bake at 10°C for 4 hours					drying conditions	bake at 100°C for 4 hours				

  

Notes:  
1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <math>30^{\circ}\text{C}</math> relative humidity <math>40\%</math>.  
2. When exceeding four lifts by 1500 hours.

Notes:  
• Temperature measurement point: resin surface

  

<b>PACKAGING</b>		<b>PACKAGING</b>	
units: mm	Reel Size: 8000 mm	units: mm	Reel Size: 8000 mm
	Reel QTY: 7000 pcs per reel		Reel QTY: 5000 pcs per reel

  

NOTE:  
1. CARRIER TAPE PACKING LENGTH: TRAILER CONNECTORS LEADER(START) SEE MAIN DRAWING  
2. REELING FORCE: 0.2N~1.5N (20g~150g)



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", is written above a solid horizontal line.

Product Management

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