

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>MATING PLUG Jack Insertion Depth: 5.9 mm</p>	<p>MATING PLUG Jack Insertion Depth: 5.1 mm</p>
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SPECIFICATIONS					SPECIFICATIONS						
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				

SOLDERABILITY					SOLDERABILITY						
parameter	conditions/description	min	typ	max	units	parameter	conditions/description	min	typ	max	units
reel storage	10-30°C, <75% humidity				°C	reel storage	0-30°C, 75% 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				

190°C
 217°C
 220°C
 228°C
 238°C
 1 - 5°C/s
 1 - 4°C/s
 20-40 Sec.
 80°C/sec Max. Cooling in air at 100°C/min. max.
 Above 217°C → 90-150 Sec.
 * Time 25°C to Peak Temp. --- 8 Minute Max.
 * Time within 5°C of Actual Peak Temp. --- 30-40 Seconds

190°C
 228°C
 238°C
 1 - 5°C/s
 1 - 4°C/s
 Max. 10s
 * Temperature measurement point: resin surface

PACKAGING		PACKAGING	
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 DIMENSIONS
 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 is written over a solid black horizontal line. The signature is stylized and appears to be "John Hill".

Product Management

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