

Product Change Notice (PCN)

Date: **12/20/2022**

PCN Number: **PCN-0451186R-01**

To Our Customers:

We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: **PJ-050AH**

Reason(s) for Change: **Manufacturing process improvements**

Description of Change: **Mechanical, electrical, and material changes as shown below:**

Comparison of Mechanical Drawing, Electrical Drawing, and Material Drawing

PREVIOUS CUI DEVICES DETAIL / IMAGE

Mechanical drawing of the previous CUI device (PJ-050AH). The drawing shows a top view and a side view. Dimensions are provided in millimeters with tolerances in brackets. Part numbers are highlighted in red boxes.

- Top View Dimensions:
 - Overall width: 9.0 [0.354]
 - Overall height: 11.0 [0.433]
 - Center pin diameter: $\phi 6.00$ [1.236]
 - Center pin hole diameter: $\phi 2.00$ [0.079]
 - Distance from center pin to terminal 1: 6.50 [0.256]
 - Distance from center pin to terminal 2: 2.40 [0.094] (2 PLCS)
 - Distance from center pin to terminal 3: 3.00 [1.118]
 - Distance from terminal 1 to terminal 2: 2.2 [0.087] (TYP)
 - Distance from terminal 2 to terminal 3: 4.8 [0.189]
- Side View Dimensions:
 - Overall height: 14.4 [0.567]
 - Distance from top to terminal 1: 11.9 [0.469]
 - Distance from top to terminal 2: 3.50 [0.138]
 - Distance from top to terminal 3: 3.0 [0.118]
 - Distance from terminal 1 to terminal 2: 2.0 [0.079]
 - Distance from terminal 2 to terminal 3: 7.2 [0.283]
 - Distance from terminal 3 to bottom: 10.7 [0.421]

NEW CUI DEVICES DETAIL / IMAGE

Mechanical drawing of the new CUI device (PJ-050AH). The drawing shows a top view and a side view. Dimensions are provided in millimeters with tolerances in brackets. Part numbers are highlighted in red boxes.

- Top View Dimensions:
 - Overall width: 9.0
 - Overall height: 11.0
 - Center pin diameter: $\phi 6.00$ [1.236]
 - Center pin hole diameter: $\phi 2.00$ [0.079]
 - Distance from center pin to terminal 1: 6.50
 - Distance from center pin to terminal 2: 2.40 [0.094] (2 PLCS)
 - Distance from center pin to terminal 3: 3.0 [0.118]
 - Distance from terminal 1 to terminal 2: 2.2 [0.087] (TYP)
 - Distance from terminal 2 to terminal 3: 4.8 [0.189]
- Side View Dimensions:
 - Overall height: 14.2
 - Distance from top to terminal 1: 10.1
 - Distance from top to terminal 2: 3.3
 - Distance from top to terminal 3: 3.0 [0.118]
 - Distance from terminal 1 to terminal 2: 2.0 [0.079]
 - Distance from terminal 2 to terminal 3: 7.2 [0.283]
 - Distance from terminal 3 to bottom: 10.7 [0.421]

PCB LAYOUT TOP VIEW of the previous CUI device (PJ-050AH). The drawing shows the layout of the component on the PCB. Dimensions are provided in millimeters with tolerances in brackets. Component locations are highlighted in red boxes.

- Overall width: 10.7 [0.421]
- Overall height: 7.2 [0.283]
- Center pin diameter: $\phi 1.80$ [0.071]
- Distance from center pin to terminal 1: 3.0 [0.118]
- Distance from center pin to terminal 2: 2.2 [0.087] (TYP)
- Distance from center pin to terminal 3: 4.8 [0.189]
- Distance from terminal 1 to terminal 2: 2.0 [0.079]
- Distance from terminal 2 to terminal 3: 7.2 [0.283]
- Distance from terminal 3 to bottom: 10.7 [0.421]

Recommended PCB Layout Top View of the new CUI device (PJ-050AH). The drawing shows the layout of the component on the PCB. Dimensions are provided in millimeters with tolerances in brackets. Component locations are highlighted in red boxes.

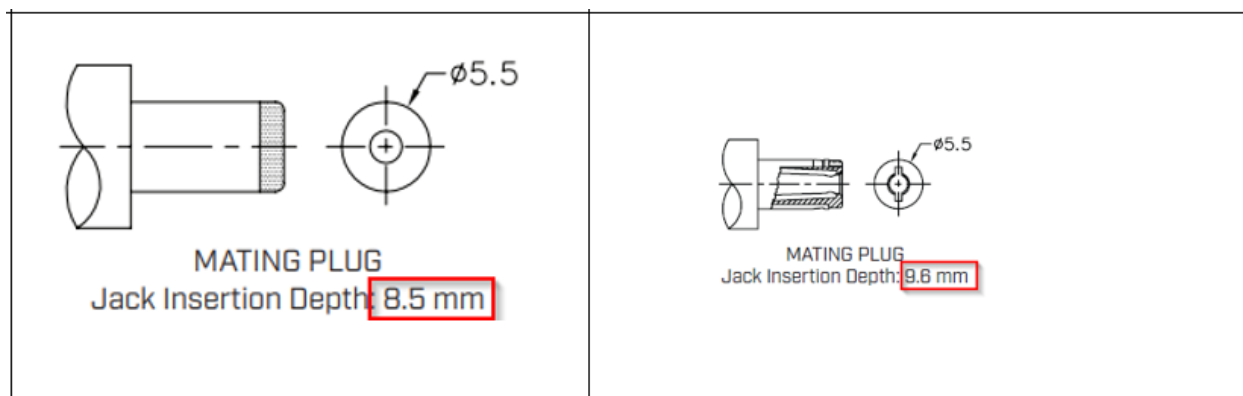
- Overall width: 10.70
- Overall height: 7.80
- Center pin diameter: $\phi 1.80$
- Distance from center pin to terminal 1: 3.0 [0.118]
- Distance from center pin to terminal 2: 2.2 [0.087] (TYP)
- Distance from center pin to terminal 3: 4.8 [0.189]
- Distance from terminal 1 to terminal 2: 2.0 [0.079]
- Distance from terminal 2 to terminal 3: 7.2 [0.283]
- Distance from terminal 3 to bottom: 10.7 [0.421]

	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PBT	

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper alloy(H65)	nickel
terminal 1	C2680 t=0.35 mm	nickel-silver
terminal 2	C5210 t=0.25 mm	nickel-silver
terminal 3	C2680 t=0.30 mm	nickel-silver
housing	PA9T (UL94V-0)	black
cover	PA9T (UL94V-0)	black

F-723-001

Revision: A



Affected Date Code: 12/8/2022

Product Availability: Channel Availability mid Q4

Additional Information:

PCN Approval:

Operations/Quality



Product Management

