Product Change Notice (PCN)

Date: 11/17/2022

PCN Number: PCN-0450921R-01

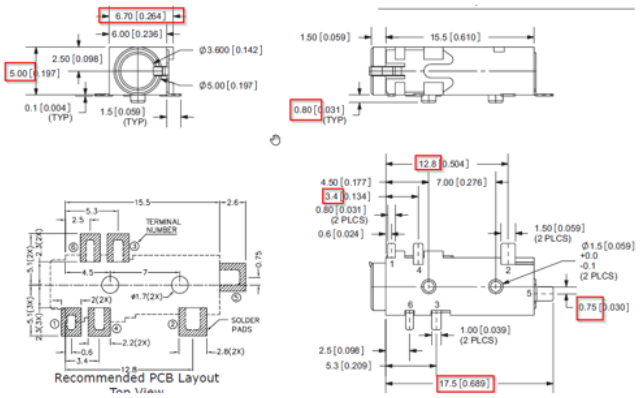
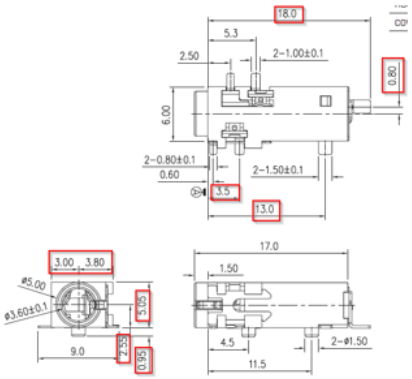
To Our Customers:
We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected:
SJ-43514-SMT-TR, SJ-43515RS-SMT-TR, SJ-43515TS-SMT-TR, SJ-43516-SMT-TR, SJ-43516-SMT-TR-BE, 43516-SMT-TR-GR, & 43516-SMT-TR-PI

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

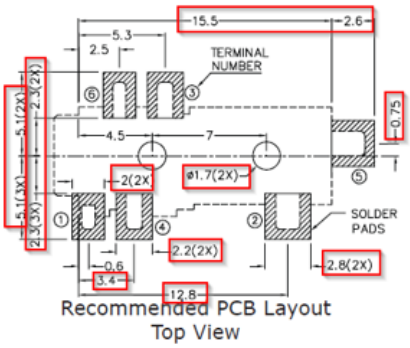
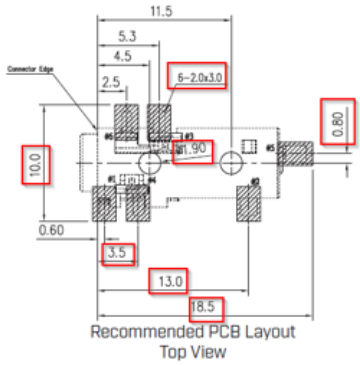
Description of Change:

1. Minor housing, terminal size differences

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE
	

F-723-001 Revision: A

2. PCB size differs

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE
	

3. Housing material differs

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE

	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
terminal 5	brass	silver
terminal 6	copper alloy	silver
plastic	PA6T or equivalent	

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	C5210 t=0.20	silver over nickel
terminal 2	C5210 t=0.30	silver over nickel
terminal 3	C5191 t=0.20	silver over nickel
terminal 4	C5210 t=0.20	silver over nickel
terminal 5	C2680 t=0.30	silver over nickel
terminal 6	C5210 t=0.20	silver over nickel
housing	PA9T (UL94V-0)	
cover	PA9T (UL94V-0)	

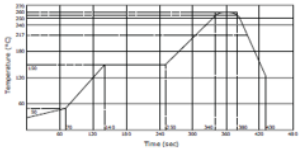
4. Reflow Soldering Difference

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering[2]	see reflow profile	255	260	265	°C
drying conditions[4]	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				

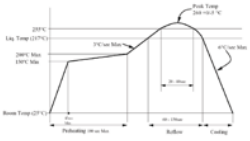
Note: 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >72 hours.



SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	5-25°C, 20-75% humidity				
reflow soldering	see reflow profile	255	260		°C

Note: 1. CUI Devices recommends usage of the product within 24 hours after TBR is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.



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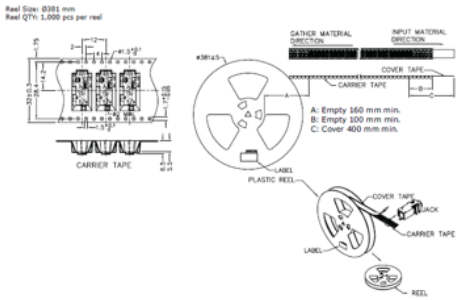
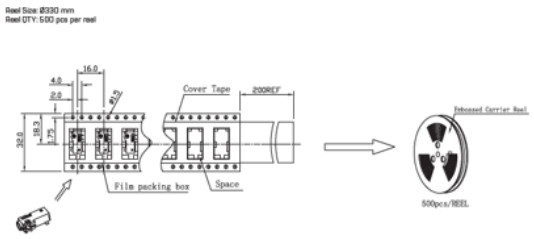
5. Tape and reel packaging differs

PREVIOUS CUI DEVICES DETAIL / IMAGE	NEW CUI DEVICES DETAIL / IMAGE
	

Affected Date Code: *11/15/2022*

Product Availability: *Channel availability mid Q4*

Additional Information:

PCN Approval:

Operations/Quality

Product Management

Nick Wolfe 11/17/2022

F-723-001 Revision: A