



Product Change Notice (PCN)

Date: 07/19/2024

PCN Number: PCN-0456234R-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-4361X-SMT-TR Series (SJ-43614-SMT-TR, SJ-43615TS-SMT-TR, SJ-43616-SMT-TR & SJ-43617-SMT-TR)*

Reason(s) for Change: *Manufacturing Improvement processes. Product re-engineered for improved manufacturability and production yield.*

Description of Change:

- 1) *New Factory Location.*
- 2) *New Product Molds.*
- 3) *Tolerance Adjustment*
- 4) *Pad size difference. 1.6 Old vs 1.65 New*

External Specified Dimensions Equivalent.

See image below for reference and check Same Sky website for updated drawing on or after 09/10/2024. Cosmetic differences may be visible due to new molds and not affect the form fit and function of the product.

Please sample the product prior to production.

PREVIOUS SAME SKY DETAIL / IMAGE	NEW SAME SKY DETAIL / IMAGE
<p>Recommended PCB Layout Top View</p>	<p>Recommended PCB Layout Top View</p>
<p>units: mm tolerance: X.X ±0.20 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm unless otherwise specified</p>	<p>units: mm tolerance: X.X ±0.50 mm X.XX ±0.30 mm X.XXX ±0.15 mm PCB: ±0.05 mm unless otherwise specified</p>

PREVIOUS SAME SKY DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal (1-4)	copper alloy	gold
terminal (10-12)	copper alloy	gold
housing	PPA (UL94V-0)	black

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	10-30°C, <75% humidity				°C
reflow soldering	see reflow profile	255	260		°C
drying conditions ¹	parts in reel bake at 110°C for 4 hours parts removed from reel bake at 110°C for 4 hours				

Note:
1. Q32 Devices recommends to solder within 72 hours from opening, rework packaging at a temperature <80°C & relative humidity <65%.
2. When exceeding floor life by >480 hours.

150°C
 3°C/sec. max.
 200°C
 (60-180 sec.)
 217°C
 25-40 Sec.
 250°C
 80-150 Sec.
 8°C/sec. Max.
 Cooling in 161 sec!

- * Time 20°C to Peak Temp. --- 8 Minutes Max.
- * Time within 5°C of Actual Peak Temp. --- 30-40 Seconds

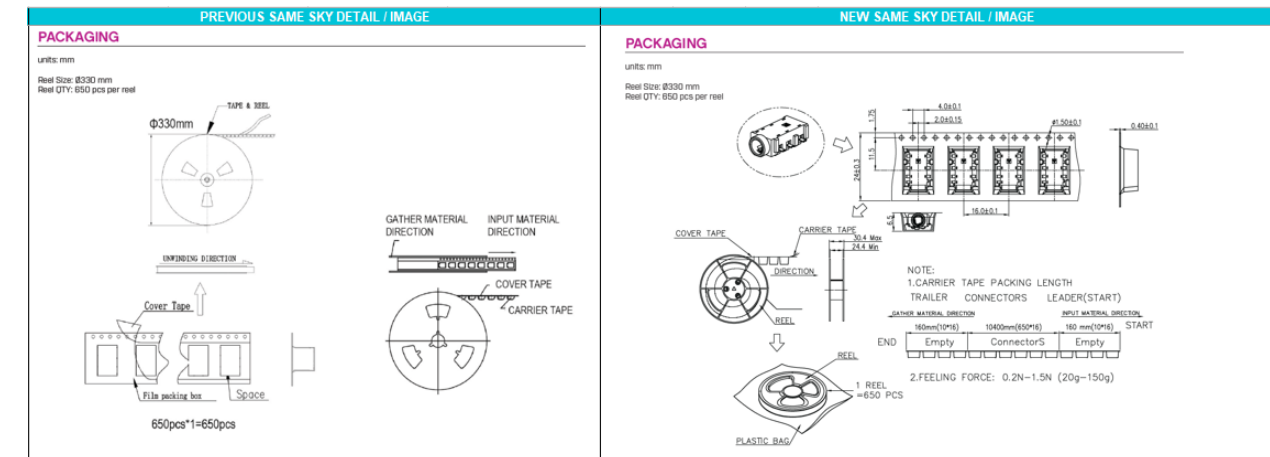
NEW SAME SKY DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal (1-4)	copper alloy	gold flash over nickel
terminal (10-12)	copper alloy	gold flash over nickel
housing	PA10T (UL94V-0)	black

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	5-35°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 120°C for 4 hours				

300
 200
 100
 0
 Temp. °C
 160°C
 1-5°C/s
 200°C
 90s
 250°C
 Preheat line
 260°C
 Max. 10s
 208°C 60s
 228°C 80s
 1-4°C/s
 Time
 * Temperature measurement point: resin surface



Affected Date Code: All orders placed before **09/15/2024** will be pre-PCN parts. Orders placed after **09/15/2024** will be manufactured in accordance with the PCN. Please check updated 2D drawing on or after **09/15/2024**.

PCN Approval:

Operations/Quality

Robert J. Davis

Product Management