



Product Change Notice (PCN)

Date: 1/9/2026

PCN Number: PCN-0456207-01

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: SJ1-251X-SMT Series: SJ1-2513-SMT-TR & SJ1-2515-SMT-TR

Reason(s) for Change: *Factory Location Change*

Description of Change:

- 1) *Housing Differences.*
- 2) *PCB Layout Amendment*
- 3) *Housing material change from PA6T to PA10T*
- 4) *Pin material Changes – Pin 1: Brass to Phosphor bronze. Pin 2: BE-CU to Stainless Steel. Pin 3: BE-CU to Stainless Steel. Pin 10 Brass to Phosphor bronze. Pin 11 Brass to Phosphor bronze*
- 5) *Solder profile update*
- 6) *Tape and Reel drawing update*

Affected Date Code: 1/9/2026

Please see drawing below for reference and refer to the updated drawing on the Same Sky website.

PREVIOUS SAME SKY DETAIL / IMAGE	NEW SAME SKY DETAIL / IMAGE

PREVIOUS SAME SKY DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass	gold
terminal 2	BE-CU	gold
terminal 3	BE-CU	gold
terminal 10	brass	gold
terminal 11	brass	gold
housing	PA6T	black

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
refl storage	5-25°C, 65% humidity				°C
reflow soldering	see reflow profile		260		°C
drying conditions	parts in reflow bake at 40±5°C for 72 hours parts removed from reflow bake at 40±5°C for 10 hours				

Note: 1. QSP Device recommends to solder within 12 hours from shipping, vacuum packaging at temperature -20°C to relative humidity <65%.

Graph showing Temperature (°C) vs Time (min) for the previous reflow profile. The profile starts at 150°C, ramps up at 5°C/s to 260°C, holds for 10s, and then ramps down at 4°C/s. The total time is 7 ± 0.5 min.

NEW SAME SKY DETAIL / IMAGE

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	phosphor bronze t=0.30	gold
terminal 2	stainless steel t=0.20	gold
terminal 3	stainless steel t=0.20	gold
terminal 10	phosphor bronze t=0.20	gold
terminal 11	phosphor bronze t=0.20	gold
housing	PA10T (UL94V-0)	black
cover	PA10T (UL94V-0)	black

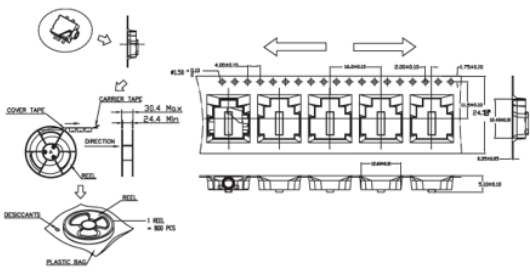
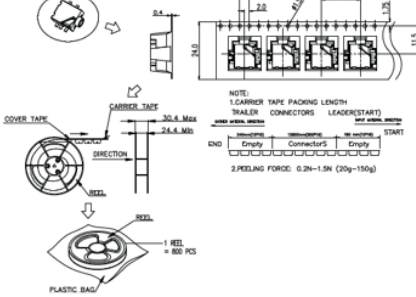
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
refl storage	5-25°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 120°C for 4 hours				

Graph showing Temperature (°C) vs Time (min) for the new reflow profile. The profile starts at 150°C, ramps up at 5°C/s to 180°C, holds for 90s, ramps up at 5°C/s to 260°C, holds for 10s, ramps down at 4°C/s to 220°C, holds for 60s, and then ramps down at 4°C/s. The total time is 7 ± 0.5 min.

Key points on the graph:

- Preheating: 180°C, 90s
- Peak Temperature: 260°C, Max 10s
- Temperature measurement point: resin surface
- Temperature measurement point: 228°C, 80s
- Temperature measurement point: 220°C, 60s
- Ramp down: 4°C/s

PREVIOUS SAME SKY DETAIL / IMAGE	NEW SAME SKY DETAIL / IMAGE
<p>PACKAGING</p> <p>units: mm</p> <p>Reel Size: 8000 mm</p> <p>Reel QTY: 800 pcs per reel</p>  <p>Diagram showing carrier tape dimensions: 4.0mm pitch, 16.0mm width, 2.0mm height, 1.75mm width. Components include COVER TAPE, CARRIER TAPE, REEL, and PLASTIC BAG. Dimensions: 30.4 Max, 24.4 Min, 1.0mm, 0.5mm, 0.2mm, 0.1mm, 0.05mm, 0.02mm, 0.01mm, 0.005mm, 0.002mm, 0.001mm.</p>	<p>PACKAGING</p> <p>units: mm</p> <p>Reel Size: 8000 mm</p> <p>Reel QTY: 800 pcs per reel</p>  <p>Diagram showing carrier tape dimensions: 4.0mm pitch, 16.0mm width, 2.0mm height, 1.75mm width. Components include COVER TAPE, CARRIER TAPE, REEL, and PLASTIC BAG. Dimensions: 30.4 Max, 24.4 Min, 1.0mm, 0.5mm, 0.2mm, 0.1mm, 0.05mm, 0.02mm, 0.01mm, 0.005mm, 0.002mm, 0.001mm.</p> <p>NOTE: 1. CARRIER TAPE PACKING LENGTH (START) SHALL BE 24.4 Min. 2. REELING FORCE: 0.2N-1.5N (20g-150g)</p>

Product Availability: *Pertaining to market availability. Pre-PCN product will be shipped first if available at the discretion of Same Sky*

PCN Approval:

Operations/Quality

Roger D. Davis

Product Management

[Signature]