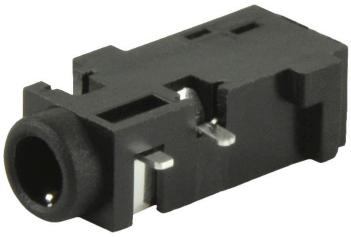
CUI Devices is now Same Sky! Learn More

SERIES: SJ2-2577X-SMT | DESCRIPTION: AUDIO JACK

FEATURES

- mid mount SMT for low profile designs
- right angle
- reflow solder compatible



RoHS

PART NUMBER KEY

SJ2 - 2577 X X - SMT - TR

Base Number	# Conductors:
	3[1] = 3
	4 = 4
		Switch Options:
		A = no switch
		B = tip switch
			Package Style:
			SMT = surface mount
				Packaging:
				TR = Tape & Reel

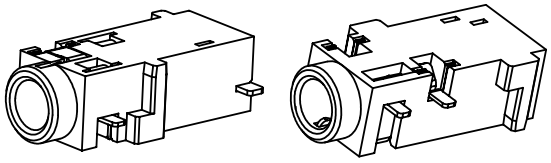
Note: 1. 3 conductor option only available with tip switch

SPECIFICATIONS

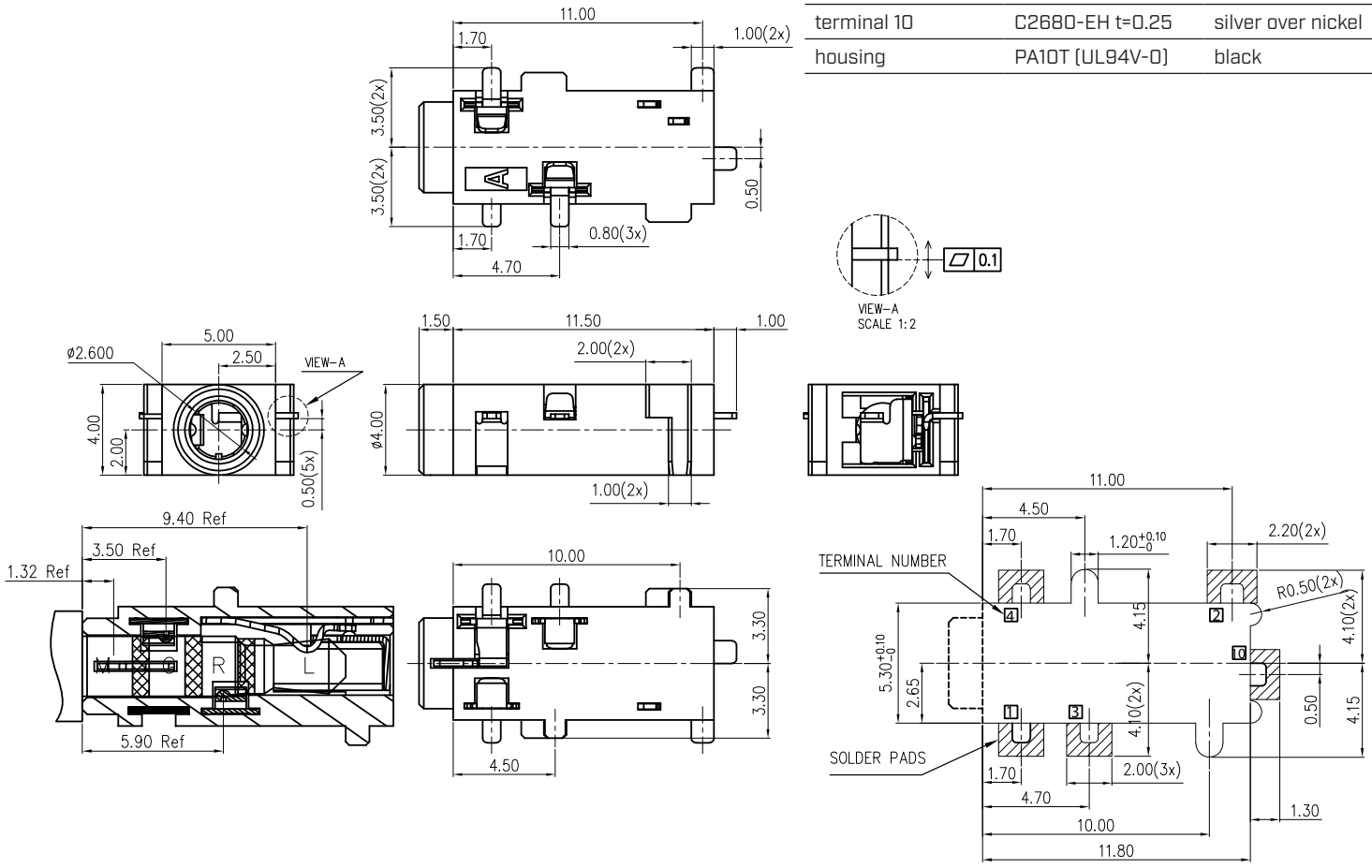
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	before life test after life test			30 50	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force	SJ2-25774A-SMT-TR model SJ2-25773B-SMT-TR & SJ2-25774B-SMT-TR models	0.3 0.6		3 6	kg kg
operating temperature		-25		85	°C
life			10,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

MECHANICAL DRAWING

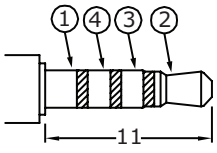
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
unless otherwise specified



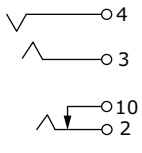
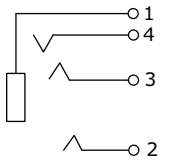
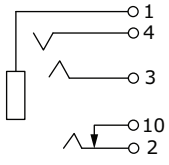
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	C5210R-SH t=0.25	silver over nickel
terminal 2	C5210R-SH t=0.25	silver over nickel
terminal 3	C5210R-SH t=0.20	silver over nickel
terminal 4	C5210R-SH t=0.20	silver over nickel
terminal 10	C2680-EH t=0.25	silver over nickel
housing	PA10T (UL94V-0)	black



Recommended PCB Layout
Top View

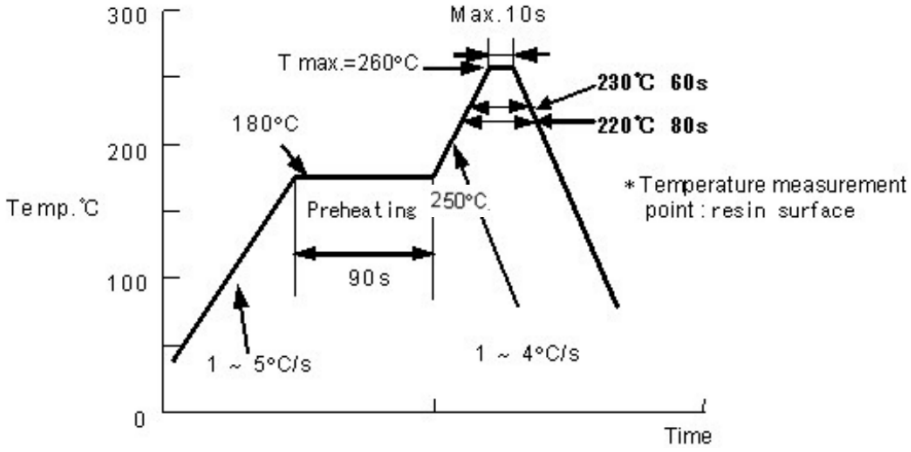


Ø2.5 MATING PLUG

Model No.	SJ2-25773B-SMT	SJ2-25774A-SMT	SJ2-25774B-SMT
Schematic			
PIN			
1	NP	sleeve	sleeve
2	tip	tip	tip
3	ring 1	ring 1	ring 1
4	ring 2	ring 2	ring 2
10	tip switch	NP	tip switch

SOLDERABILITY

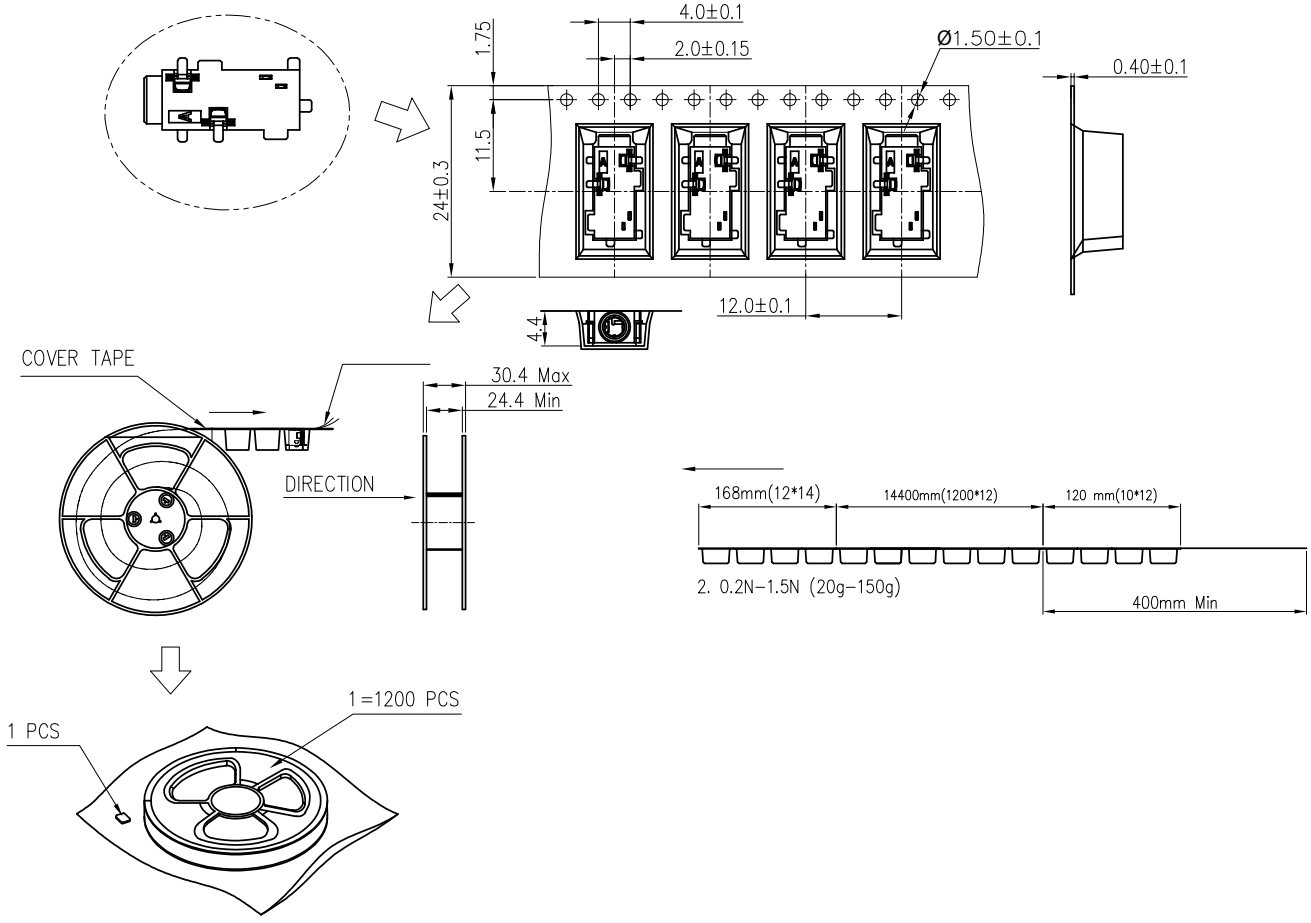
parameter	conditions/description	min	typ	max	units
reel storage	5~35°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 120°C for 4 hours				



PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1,200 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	12/02/2016
1.01	added storage and drying conditions	05/31/2017
1.02	brand update	10/04/2019
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	04/21/2023
1.04	mating life cycles updated, drawing updated	06/29/2023
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	06/05/2024
1.06	CUI Devices rebranded to Same Sky	09/12/2024
1.07	changed insertion/withdrawal force on SJ2-25774A-SMT-TR, added terminal contact locations	10/07/2024
1.08	adjusted contact resistance	08/13/2025

The revision history provided is for informational purposes only and is believed to be accurate.

same sky

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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