

**MODEL:** UJ20-C-R-G-TH-P14 | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- USB 2.0
- 480 Mbit/s data transfer speed
- reflow solder compatible
- tray packaging

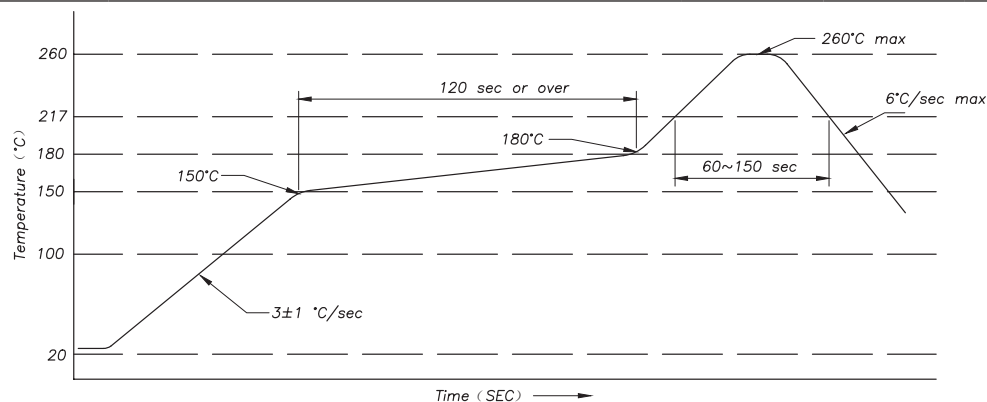
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
USB standard	USB 2.0				
rated input voltage				48	Vdc
rated input current	as per EIA-364-70, Method B				
	power pins collectively [A1, A4, A9, A12, B1, B4, B9, B12]			5.0	A
	VCONN pins individually [A5, B5]			1.25	A
	all other signal pins individually			0.25	A
contact resistance ¹	between terminals and mating plug			40	mΩ
insulation resistance	at 100 Vdc between adjacent contacts	100			MΩ
voltage withstand	between adjacent contacts for 1 minute	100			Vac
insertion force	at a rate of 30 cycles/min	5		20	N
withdrawal force	at a rate of 30 cycles/min	8		20	N
life	at a rate of 500 cycles per hour		10,000		cycles
operating temperature		-25		85	°C
flammability rating	UL94V-0				
RoHS	yes				

Note: 1. When measured at 20 mV / 100 mA.

SOLDERABILITY

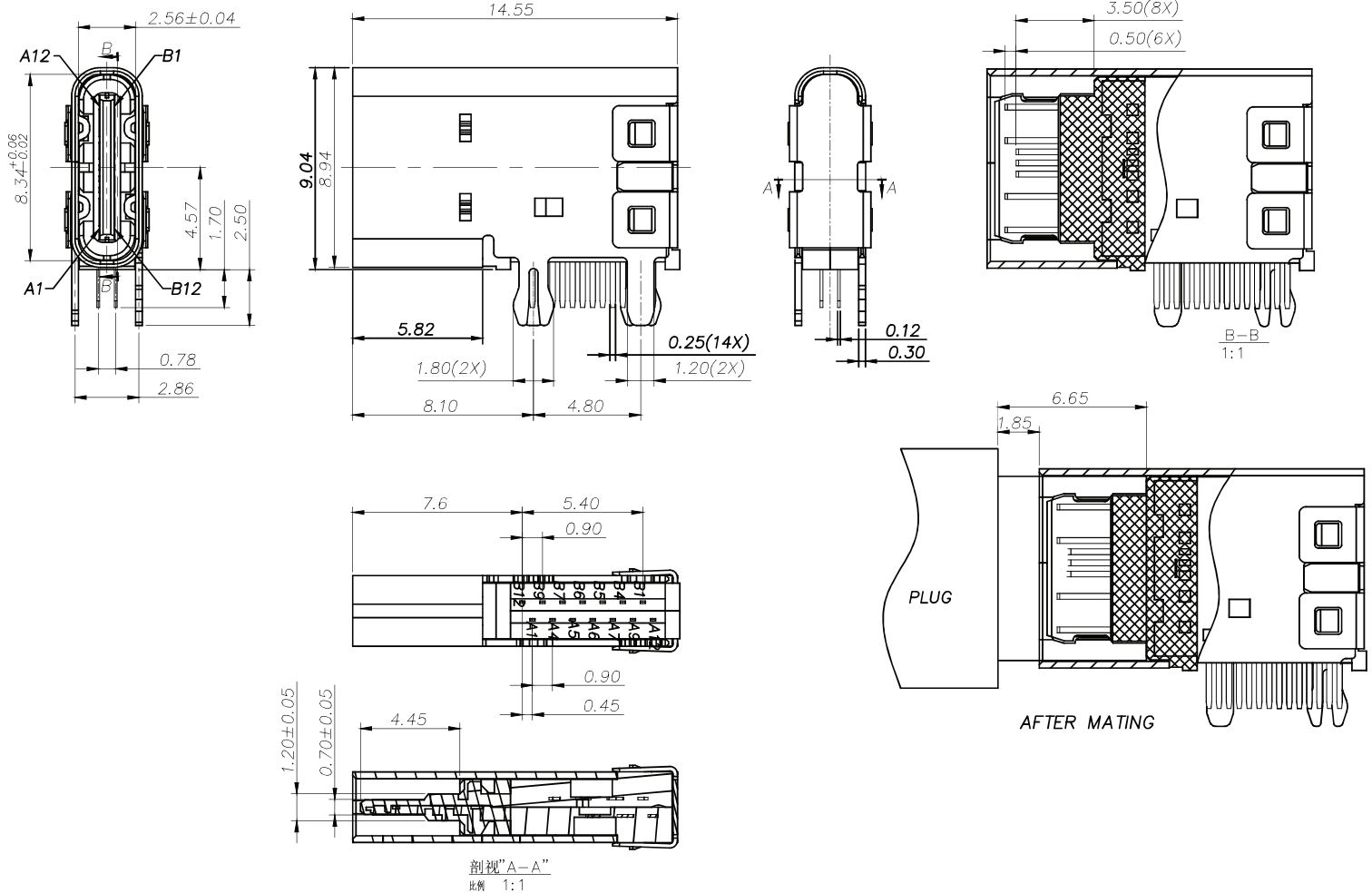
parameter	conditions/description	min	typ	max	units
reel storage	at 20~30°C, 40~75% humidity				
reflow soldering	see reflow profile			260	°C



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
housing	PA9T (UL94V-0)	black
contact	C1815	contact area: 3 μ " gold over 50 μ " nickel solder area: 3 μ " gold over 50 μ " nickel
mid plate	SUS301	clear
front shell	SUS304	30 μ " nickel
cover	SUS304	30 μ " nickel



units: mm
PCB tolerance: ± 0.05 mm
PCB thickness: 1.6 mm

2.86

0.78(4X)

0.60(4X)

$\phi 0.40(14X)$

$\phi 0.60(14X)$

1.60(4X)

1.90(4X)

5.40

0.45

5.05

0.50

0.90(PITCH)

7.60

P.C.B EDGE

DETECTOR EDGE

Recommended PCB Layout
Top View

REVISION HISTORY

rev.	description	date
1.0	initial release	07/25/2024
1.01	CUI Devices rebranded to Same Sky	09/12/2024

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



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

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