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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD		
-	-	A	-	-	-		

Top view of the connector showing dimensions and features. Key dimensions include a total length of  $88.90 \pm 0.10$  mm, a hole diameter of  $\phi 2.50^{+0.20}_{0.00}$ , and a distance of  $10.10 \pm 0.10$  mm from the right edge to the center of the contact array. The contact array has a pitch of  $2.54$  mm and a length of  $31 \times 2.54 (= 78.74)$  mm. The drawing includes the STC logo and part number  $*-2271013-*$  with a placeholder  $XXXX$ .

NOTES:

- PRODUCT SPECIFICATION:  
 CURRENT RATING: 2.0AMP  
 CONTACT RESISTANCE: 20mΩ MAX  
 WITHSTAND VOLTAGE: 1000V AC/DC  
 INSULATION RESISTANCE: 10E6MΩ MIN  
 OPERATING TEMPERATURE: -55°C to +105°C  
 RECOMMEND SOLDERING PROCESS: WAVE SOLDERING
- MATERIAL  
 CONTACT: COPPER ALLOY  
 HOUSING: LOW-TEMPRATURE MATERIAL UL94V-0
- 1.27um MIN NICKEL PER TEC-112-25 UNDERPLATE ALL OVER
- 2.54um MIN TIN PER TEC-112-65 ON SOLDERING AREA
- 0.76um MIN GOLD PER TEC-112-162 ON CONTACT AREA
- 0.25um MIN GOLD PER TEC-112-162 ON CONTACT AREA
- 0.076um MIN GOLD FLASH PER TEC-112-33 ON CONTACT AREA
- PARTS MUST CONFORM TO DIN41612/IEC60603-2

Side view of the connector showing dimensions and contact details. Key dimensions include a total length of  $88.00 \pm 0.15$  mm, a contact length of  $31 \times 2.54 (= 78.74)$  mm, and a contact height of  $4.80^{+0.20}_{0.00}$  mm. The drawing shows the contact array with a pitch of  $2.54$  mm and a length of  $31 \times 2.54 (= 78.74)$  mm. The drawing includes the STC logo and part number  $*-2271013-*$  with a placeholder  $XXXX$ .

Section A-A detail view of the contact. Key dimensions include a total length of  $6.00$  mm, a contact length of  $5.54$  mm, and a contact height of  $2.54$  mm. The drawing includes the STC logo and part number  $*-2271013-*$  with a placeholder  $XXXX$ .

Section A-A detail view of the contact. Key dimensions include a total length of  $0.60$  mm and a contact length of  $0.50$  mm. The drawing includes the STC logo and part number  $*-2271013-*$  with a placeholder  $XXXX$ .

SECTION A-A  
SCALE:5:1

Recommended PCB layout showing dimensions and features. Key dimensions include a total length of  $88.90$  mm, a hole diameter of  $\phi 1.00 \pm 0.05$ , and a distance of  $5.30 \pm 0.10$  mm from the left edge to the center of the contact array. The drawing includes the STC logo and part number  $*-2271013-*$  with a placeholder  $XXXX$ .

RECOMMENDED PCB LAYOUT

DIM.A	FINISH	ROWS LOADED	POS	PN
4.57	3 4 5	abc	96	8-2271013-2
4.57	3 4 6	abc	96	8-2271013-1
4.57	3 4 7	abc	96	8-2271013-0
4.57	3 4 5	a c	64	7-2271013-2
4.57	3 4 6	a c	64	7-2271013-1
4.57	3 4 7	a c	64	7-2271013-0
4.0	3 4 5	abc	96	6-2271013-2
4.0	3 4 6	abc	96	6-2271013-1
4.0	3 4 7	abc	96	6-2271013-0
4.0	3 4 5	a c	64	5-2271013-2
4.0	3 4 6	a c	64	5-2271013-1
4.0	3 4 7	a c	64	5-2271013-0
3.0	3 4 5	abc	96	4-2271013-2
3.0	3 4 6	abc	96	4-2271013-1
3.0	3 4 7	abc	96	4-2271013-0
3.0	3 4 5	a c	64	3-2271013-2
3.0	3 4 6	a c	64	3-2271013-1
3.0	3 4 7	a c	64	3-2271013-0
2.5	3 4 5	abc	96	2-2271013-2
2.5	3 4 6	abc	96	2-2271013-1
2.5	3 4 7	abc	96	2-2271013-0
2.5	3 4 5	a c	64	1-2271013-2
2.5	3 4 6	a c	64	1-2271013-1
2.5	3 4 7	a c	64	1-2271013-0

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	23SEP2014	TE Connectivity	
DIMENSIONS: mm		ETHAN CHENG	-	Cello Connector, Type C	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK	KOBBY ZHAO	MALE, RIGHT ANGLE	
0 PLC ± -		APVD	XIANG XU	WITHOUT CLIPS	
1 PLC ± -		PRODUCT SPEC	108-137009	SIZE	CAGE CODE
2 PLC ± 0.25		APPLICATION SPEC	-	A2	00779
3 PLC ± -		WEIGHT	-	DRAWING NO	
4 PLC ± -		FINISH	-	C=2271013	
ANGLES ± 3		CUSTOMER DRAWING	-	SCALE	SHEET
MATERIAL SEE NOTE		SCALE	1:1	1 OF 1	
FINISH SEE NOTE		REV	A2		

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