



PRODUCT CHANGE NOTIFICATION

PRODUCT CHANGE NOTIFICATION NUMBER: P12149

PCN DATE: May 8, 2023

PARTS AFFECTED:

Part Number	SS-52100-001
Product Description	USB 2.0 Type-A Right Angle Receptacle
Customer Drawing	CT520004
Old Revision	A0
New Revision	B0

REASON FOR CHANGE:

In October 2021, some features of the shield on this receptacle were modified as part of an initiative to improve production output. The geometry changes listed in items 1 – 3 under “DESCRIPTION OF CHANGES” were made to enhance the performance and longevity of the stamping die. These modifications were not documented on the customer drawing before volume production of shields resumed.

In addition, items 4 and 5 below describe corrections to information specified in the notes and general tolerance table of the drawing.

Since none of these changes affect the performance of the finished product, parts corresponding to Rev. B0 of the drawing should be used as they are.

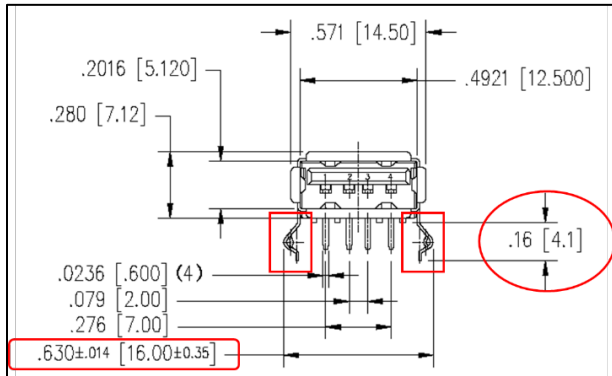
11118 Susquehanna Trail South
Glen Rock, PA
17327, USA

T 717.235.7512
stewartconnector.com

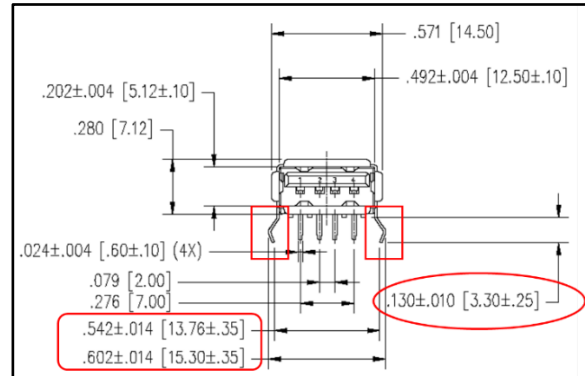
DESCRIPTION OF CHANGES:

1. The vertical tips and stiffening darts on the two retaining pins of the shield were removed. The geometry changes decreased the length of the pins and the distance between the pins.

Rev. A0

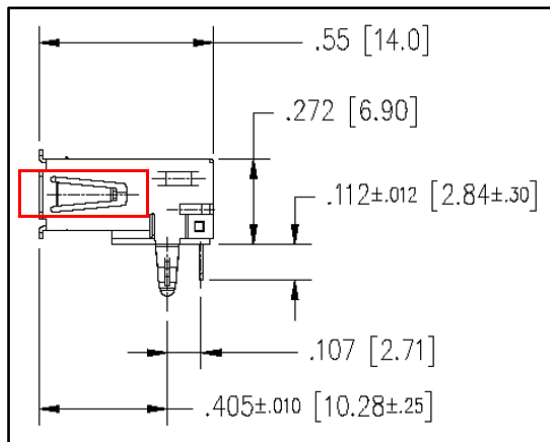


Rev. B0

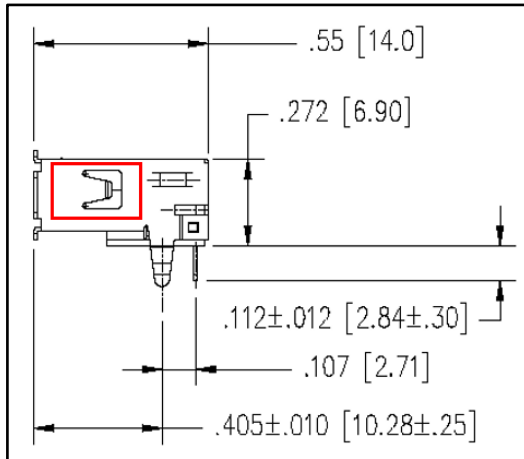


2. The geometry of the ground springs on the sides of the shield was modified.

Rev. A0

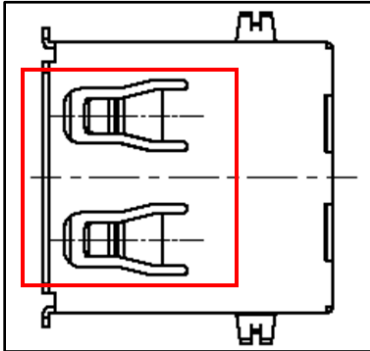


Rev. B0

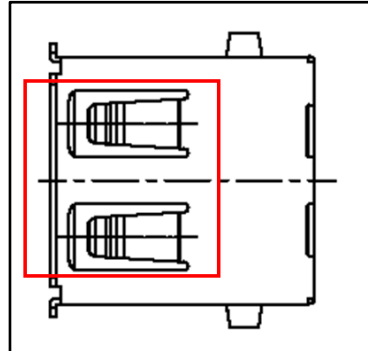


3. The geometry of the ground springs on the top and bottom of the shield was modified.

Rev. A0



Rev. B0



4. The electrical and mechanical characteristics specified in notes 3 and 4 of Rev. B0 replace the previous reference to Stewart Connector document #PR044-01, which specifies some characteristics that do not apply to this product.

Rev. A0

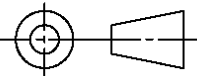
3. For Product specifications See PR44-01

Rev. B0

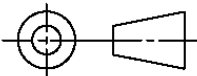
3. ELECTRICAL PROPERTIES
- 3.1. CURRENT RATING: 1.5A @ 250VAC
 - 3.2. VOLTAGE RATING: 30V
 - 3.3. INSULATION RESISTANCE: 1000M Ω MIN.
 - 3.4. CONTACT RESISTANCE: 30m Ω MAX.
 - 3.5. DIELECTRIC WITHSTANDING VOLTAGE: 500VAC
4. MECHANICAL CHARACTERISTICS
- 4.1. OPERATING TEMPERATURE RANGE: -40°C TO +85°C
 - 4.2. INSERTION FORCE: 35N MAX.
 - 4.3. EXTRACTION FORCE: 10N MIN.

5. The general tolerance table was corrected.

Rev. A0

THIRD ANGLE PROJECTION	
	
DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS INCHES [METRIC] TOLERANCES ARE:	
ANGLES	$\pm 1^\circ$
.XX [.X]	$\pm .010^\circ$ [± 0.25]
.XXX [.XX]	$\pm .008^\circ$ [± 0.20]
.XXXX [.XXX]	$\pm .004^\circ$ [± 0.10]
DO NOT SCALE DRAWING	

Rev. B0

THIRD ANGLE PROJECTION	
	
DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS INCHES [METRIC] TOLERANCES ARE:	
ANGLES X' $\pm 4^\circ$; X" $\pm 2^\circ$	
.XX [.X]	$\pm .010^\circ$ [± 0.25]
.XXX [.XX]	$\pm .008^\circ$ [± 0.20]
.XXXX [.XXX]	$\pm .002^\circ$ [± 0.05]
DO NOT SCALE DRAWING	



ESTIMATED IMPLEMENTATION DATE:

Effective immediately

SIGNATURE:

Kenneth A. Weber

Kenneth A. Weber
Design Engineer